

Pesticides Data

Case Narrative/Conformance Summary

Pesticides

Case Narrative/Conformance Summary

CLIENT: Tidewater, Inc.
SDG: TID13

Pesticide Residue Analysis

Fraction: Pesticides

Sample #	Client ID	Matrix			Comments
		Liquid	Solid	DF	
9874411	OU2-1-SU001-10		X	1	
9874412	OU2-1-SU003-08		X	50	
9874413	OU2-1-SU007-10		X	5	

All analyses have been performed in accordance with DOD QSM Version 5.0 unless otherwise noted below.
See QC Reference List for Associated Batch QC Samples

SAMPLE RECEIPT:

Samples were received in good condition and within temperature requirements.

HOLDING TIME:

All holding times were met.

PREPARATION/EXTRACTION/DIGESTION:

No problems were encountered.

CALIBRATION/STANDARDIZATION:

(Sample number(s): 9874411-9874413: Analysis: 14587)

For dual column analyses in which the calibration (initial and/or continuing) response is outside the acceptance criteria on one column and within criteria on the second column affected analytes are reported from the compliant column. The sample raw data identifies the column used to report each analyte.

QUALITY CONTROL AND NONCONFORMANCE SUMMARY:

MS/MSD

Batch#: 183050038A (Sample number(s): 9874411-9874413, UNSPK: 9874411)

The relative percent difference(s) for the following analyte(s) in the MS/MSD is outside the acceptance window: Beta BHC, Endosulfan I

The recovery(ies) for the following analyte(s) in the MS and MSD were below the acceptance window: Gamma BHC - Lindane

Case Narrative/Conformance Summary

CLIENT: Tidewater, Inc.
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Pesticide Residue Analysis

Fraction: Pesticides

Surrogate

Surrogate recoveries that are noncompliant are confirmed unless attributed to a dilution or otherwise noted.

Batch#: 183050038A (Sample number(s): 9874411-9874413, UNSPK: 9874411)
The recovery(ies) for the following surrogate(s) exceeded the acceptance window:
Decachlorobiphenyl-D1 (9874412, 9874413), Decachlorobiphenyl-D2 (9874412, 9874413),
Tetrachloro-m-xylene-D1 (9874413)

SAMPLE ANALYSIS:

(Sample number(s): 9874412-9874413: Analysis: 14587)
Reporting limits were raised due to interference from the sample matrix.

No other problems were encountered with the analysis of the samples.

Abbreviation Key

UNSPK = Unspiked (for MS/MSD)	LOQ = Limit of Quantitation
+MS = Matrix Spike	MDL = Method Detection Limit
MSD = Matrix Spike Duplicate	ND = Not Detected
BKG = Background (for Duplicate)	J = Estimated Value
D = Duplicate (DUP)	E= out of calibration range
LCS = Lab Control Sample	RE = Repreparation/Reanalysis
LCSD = Lab Control Sample Duplicate	* = Out of Specification

Quality Control and Calibration Summary Forms

Pesticides

**Quality Control Reference List
Pesticide Residue Analysis**

**CLIENT: Tidewater, Inc.
SDG: TID13**

Fraction: Pesticides

Analysis	Batch Number	Sample Number	Analysis Date
ocpest 8081B w/GPC & 3546	183050038A	PBLK38305	11/14/2018 03:19
		LCS38305	11/14/2018 03:29
		9874411 UNSPK	11/14/2018 04:32
		9874411 MS	11/14/2018 04:53
		9874411 MSD	11/14/2018 05:04
		9874412	11/14/2018 05:25
		9874413	11/14/2018 05:46

Fraction: Pesticides

183050038A / PBLK38305						
Analyte	Analysis Date	Blank Results	Units	DL	LOD	LOQ
Alpha BHC	11/14/18	N.D.	ug/kg	0.17	0.60	0.83
Gamma BHC - Lindane	11/14/18	N.D.	ug/kg	0.21	0.60	0.83
Beta BHC	11/14/18	N.D.	ug/kg	0.44	0.90	1.0
Delta BHC	11/14/18	N.D.	ug/kg	0.45	0.90	1.0
Heptachlor	11/14/18	N.D.	ug/kg	0.31	0.62	0.83
Aldrin	11/14/18	N.D.	ug/kg	0.17	0.60	0.83
Heptachlor Epoxide	11/14/18	N.D.	ug/kg	0.17	0.60	0.83
Gamma Chlordane	11/14/18	N.D.	ug/kg	0.25	0.60	0.83
Alpha Chlordane	11/14/18	N.D.	ug/kg	0.17	0.60	0.83
p,p-DDE	11/14/18	N.D.	ug/kg	0.33	1.2	1.7
Endosulfan I	11/14/18	N.D.	ug/kg	0.22	0.60	0.83
Dieldrin	11/14/18	N.D.	ug/kg	0.33	1.2	1.7
Endrin	11/14/18	N.D.	ug/kg	0.68	1.4	1.7
p,p-DDD	11/14/18	N.D.	ug/kg	0.33	1.2	1.7
p,p-DDT	11/14/18	N.D.	ug/kg	0.79	1.6	1.7
Endosulfan II	11/14/18	N.D.	ug/kg	1.1	2.2	2.3
Endrin Aldehyde	11/14/18	N.D.	ug/kg	0.33	1.2	1.7
Methoxychlor	11/14/18	N.D.	ug/kg	1.8	6.5	6.7
Endosulfan Sulfate	11/14/18	N.D.	ug/kg	0.33	1.2	1.7
Endrin Ketone	11/14/18	N.D.	ug/kg	0.60	1.8	2.0
Chlordane	11/14/18	N.D.	ug/kg	4.0	8.0	17
Toxaphene	11/14/18	N.D.	ug/kg	14	28	33

Fraction: Pesticides

183050038A Sample	Decachlorobiphenyl-D1		Decachlorobiphenyl-D2		Tetrachloro-m-xylene-D1		Tetrachloro-m-xylene-D2	
	Spike Added	9.92 ug/kg	Spike Added	9.92 ug/kg	Spike Added	10.03499 ug/kg	Spike Added	10.03499 ug/kg
	% Recovery	Limits	% Recovery	Limits	% Recovery	Limits	% Recovery	Limits
PBLK38305	107	39 - 152	113	39 - 152	83	42 - 129	81	42 - 129
LCS38305	112	39 - 152	119	39 - 152	92	42 - 129	89	42 - 129
9874411 UNSPK	96	39 - 152	102	39 - 152	79	42 - 129	57	42 - 129
9874411 MS	98	39 - 152	98	39 - 152	86	42 - 129	64	42 - 129
9874411 MSD	99	39 - 152	104	39 - 152	81	42 - 129	61	42 - 129
9874412	368 *	39 - 152	342 *	39 - 152	101	42 - 129	80	42 - 129
9874413	194 *	39 - 152	193 *	39 - 152	217 *	42 - 129	108	42 - 129

Surrogate recoveries that are noncompliant are confirmed unless attributed to a dilution or otherwise noted.

Pesticide Residue Analysis
Fraction: Pesticides

UNSPK: 9874411 MS: 9874411 MSD: 9874411 Analyte	Batch: 183050038A (Sample number(s): 9874411-9874413)								
	Spike Added ug/kg MS/MSD	Unspiked Conc ug/kg	MS Conc ug/kg	MSD Conc ug/kg	MS %Rec	MSD %Rec	%Rec Limits	%RPD	%RPD Limits
Alpha BHC	3.39 / 3.38	N.D.	2.27	1.73	67	51	45-137	27	30
Gamma BHC - Lindane	3.39 / 3.38	N.D.	1.03	1.23	30 *	36 *	49-135	18	30
Beta BHC	3.32 / 3.31	N.D.	2.14	2.99	64	90	50-136	33 *	30
Delta BHC	3.32 / 3.31	N.D.	2.77	2.23	83	67	47-139	22	30
Heptachlor	3.39 / 3.38	N.D.	1.82	1.88	54	56	47-136	3	30
Aldrin	3.32 / 3.31	N.D.	2.19	2.17	66	66	45-136	1	30
Heptachlor Epoxide	3.32 / 3.31	N.D.	3.34	2.83	101	85	52-136	17	30
Gamma Chlordane	3.32 / 3.31	N.D.	3.01	2.74	91	83	53-135	9	30
Alpha Chlordane	3.32 / 3.31	N.D.	3.22	2.58	97	78	54-133	22	30
p,p-DDE	6.64 / 6.62	N.D.	5.53	5.55	83	84	56-134	1	30
Endosulfan I	3.39 / 3.38	N.D.	2.18	3.33	64	99	53-132	42 *	30
Dieldrin	6.78 / 6.75	N.D.	5.57	5.67	82	84	56-136	2	30
Endrin	6.71 / 6.69	N.D.	6.01	6.00	89	90	57-140	0	30
p,p-DDD	6.78 / 6.75	N.D.	6.21	6.36	92	94	56-139	2	30
p,p-DDT	6.78 / 6.75	N.D.	7.61	7.43	112	110	50-141	2	30
Endosulfan II	6.64 / 6.62	N.D.	5.63	5.76	85	87	53-134	2	30
Endrin Aldehyde	6.71 / 6.69	N.D.	4.85	5.06	72	76	35-137	4	30
Methoxychlor	33.75 / 33.64	N.D.	30.67	31.32	91	93	52-143	2	30
Endosulfan Sulfate	6.71 / 6.69	N.D.	6.16	6.38	92	95	55-136	4	30
Endrin Ketone	6.64 / 6.62	N.D.	6.22	6.46	94	98	55-136	4	30

Comments:

(2) The unspiked sample result is greater than four times the spike added.

* = Out of Specification

Results are being reported on an as received basis.

SDG: TID13
Matrix: SOLID

Pesticide Residue Analysis
Fraction: Pesticides

LCS: LCS38305	Batch: 183050038A (Sample number(s): 9874411-9874413)								
	Analyte	Spike Added ug/kg	LCS Conc ug/kg	LCSD Conc ug/kg	LCS %Rec	LCSD %Rec	%Rec Limits	%RPD	%RPD Limits
	Alpha BHC	3.40	3.00	NA	88	NA	45-137	NA	NA
	Gamma BHC - Lindane	3.40	3.04	NA	89	NA	49-135	NA	NA
	Beta BHC	3.33	3.23	NA	97	NA	50-136	NA	NA
	Delta BHC	3.33	3.11	NA	93	NA	47-139	NA	NA
	Heptachlor	3.40	3.03	NA	89	NA	47-136	NA	NA
	Aldrin	3.33	2.84	NA	85	NA	45-136	NA	NA
	Heptachlor Epoxide	3.33	3.14	NA	94	NA	52-136	NA	NA
	Gamma Chlordane	3.33	3.11	NA	93	NA	53-135	NA	NA
	Alpha Chlordane	3.33	3.03	NA	91	NA	54-133	NA	NA
	p,p-DDE	6.67	6.02	NA	90	NA	56-134	NA	NA
	Endosulfan I	3.40	3.03	NA	89	NA	53-132	NA	NA
	Dieldrin	6.80	6.49	NA	95	NA	56-136	NA	NA
	Endrin	6.73	6.82	NA	101	NA	57-140	NA	NA
	p,p-DDD	6.80	6.77	NA	100	NA	56-139	NA	NA
	p,p-DDT	6.80	8.21	NA	121	NA	50-141	NA	NA
	Endosulfan II	6.67	6.34	NA	95	NA	53-134	NA	NA
	Endrin Aldehyde	6.73	5.78	NA	86	NA	35-137	NA	NA
	Methoxychlor	33.87	32.41	NA	96	NA	52-143	NA	NA
	Endosulfan Sulfate	6.73	7.32	NA	109	NA	55-136	NA	NA
	Endrin Ketone	6.67	7.09	NA	106	NA	55-136	NA	NA

Fraction: Pesticides

14587: ocpst 8081B w/GPC & 3546 Analyte Name	Default DL	Default LOD	Default LOQ	Units
Alpha BHC	.17	.6	0.83	ug/kg
Gamma BHC - Lindane	.21	.6	0.83	ug/kg
Beta BHC	.44	.9	1.0	ug/kg
Delta BHC	.45	.9	1.0	ug/kg
Heptachlor	.31	.62	0.83	ug/kg
Aldrin	.17	.6	0.83	ug/kg
Heptachlor Epoxide	.17	.6	0.83	ug/kg
Gamma Chlordane	.25	.6	0.83	ug/kg
Alpha Chlordane	.17	.6	0.83	ug/kg
p,p-DDE	.33	1.2	1.7	ug/kg
Endosulfan I	.22	.6	0.83	ug/kg
Dieldrin	.33	1.2	1.7	ug/kg
Endrin	.68	1.4	1.7	ug/kg
p,p-DDD	.33	1.2	1.7	ug/kg
p,p-DDT	.79	1.6	1.7	ug/kg
Endosulfan II	1.1	2.2	2.3	ug/kg
Endrin Aldehyde	.33	1.2	1.7	ug/kg
Methoxychlor	1.8	6.5	6.7	ug/kg
Endosulfan Sulfate	.33	1.2	1.7	ug/kg
Endrin Ketone	.6	1.8	2.0	ug/kg
Chlordane	4	8	17	ug/kg
Toxaphene	14	28	33	ug/kg

Multiple Component Initial Calibration Report: **35PEST1827101**

Area Files Used For Calibration

Sequence _____ Injections _____

Component: **Aroclor-1016**

AR16

Calibration Levels: 1
 Min # of Peaks Required: 4
 Slope:
 Max %RSD: 40
 Y-Intercept:
 Concentration (ng/ml): 200.000000
 Report Base:
 E-Flag Basis: Aroclor-1016

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>SUM</u>
Retention Time:	2.250	2.537	2.738	2.927	3.010	3.133	
RT Window (Mins):	0.03000	0.03000	0.03000	0.03000	0.03000	0.03000	
Height:	524898	787791	462953	1409575	818935	585464	4589616
RF (Height/Conc):	2624	3939	2315	7048	4095	2927	
%RSD For RF	0.000	0.000	0.000	0.000	0.000	0.000	
Slope							
Y-Intercept							

Component: **Aroclor-1221**

2154

Calibration Levels: 1
 Min # of Peaks Required: 3
 Slope:
 Max %RSD: 5
 Y-Intercept:
 Concentration (ng/ml): 200.000000
 Report Base:
 E-Flag Basis: Aroclor-1221

	<u>1</u>	<u>2</u>	<u>3</u>	<u>SUM</u>
Retention Time:	2.109	2.190	2.250	
RT Window (Mins):	0.02000	0.02000	0.02000	
Height:	318417	218750	673637	1210804
RF (Height/Conc):	1592	1094	3368	
%RSD For RF	0.000	0.000	0.000	
Slope				
Y-Intercept				

Component: **Aroclor-1248**

AR48

Calibration Levels: 1
 Min # of Peaks Required: 4
 Slope:
 Max %RSD: 30
 Y-Intercept:
 Concentration (ng/ml): 200.000000
 Report Base:
 E-Flag Basis: Aroclor-1248

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>SUM</u>
Retention Time:	3.182	3.406	3.439	3.688	3.720	4.130	
RT Window (Mins):	0.03000	0.03000	0.03000	0.03000	0.03000	0.03000	
Height:	748386	995865	339191	1114373	1217059	687059	5101933
RF (Height/Conc):	3742	4979	1696	5572	6085	3435	
%RSD For RF	0.000	0.000	0.000	0.000	0.000	0.000	
Slope							
Y-Intercept							

Multiple Component Initial Calibration Report: **35PEST1827101**

Component: **Aroclor-1254**

2154

Calibration Levels: 1
 Min # of Peaks Required: 4
 Slope:
 Max %RSD: 40
 Y-Intercept:

Concentration (ng/ml): 250.000000
 Report Base:
 E-Flag Basis: Aroclor-1254

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>SUM</u>
Retention Time:	3.716	3.819	4.063	4.265	4.479	4.553	
RT Window (Mins):	0.03000	0.03000	0.03000	0.03000	0.03000	0.03000	
Height:	1527518	1829674	1473741	1880506	1249644	1973099	9934182
RF (Height/Conc):	6110	7319	5895	7522	4999	7892	
%RSD For RF	0.000	0.000	0.000	0.000	0.000	0.000	
Slope							
Y-Intercept							

Component: **Aroclor-1260**

AR16

Calibration Levels: 1
 Min # of Peaks Required: 4
 Slope:
 Max %RSD: 40
 Y-Intercept:

Concentration (ng/ml): 200.000000
 Report Base:
 E-Flag Basis: Aroclor-1260

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>SUM</u>
Retention Time:	4.228	4.337	4.554	4.742	4.863	5.061	
RT Window (Mins):	0.03000	0.03000	0.03000	0.03000	0.03000	0.03000	
Height:	1659144	1979143	1949397	1397372	3129605	2365649	12480310
RF (Height/Conc):	8296	9896	9747	6987	15648	11828	
%RSD For RF	0.000	0.000	0.000	0.000	0.000	0.000	
Slope							
Y-Intercept							

Component: **Chlordane**

CHLD

Calibration Levels: 6
 Min # of Peaks Required: 4
 Slope:
 Max %RSD: 40
 Y-Intercept:

Avg Concentration (ng/ml): 50.000000
 Report Base:
 E-Flag Basis: Chlordane

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>SUM</u>	
Retention Time:	2.760	3.667	3.817	3.885	4.492		
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000		
Average Height:	694377	601786	2416687	1940490	915163	6568503	
RF (Height/Conc):	4965	4368	17479	14196	6665		
%RSD For RF	6.995	7.660	7.401	8.888	8.523		
Slope							
Y-Intercept							
Level 1	Height Conc	66867 12.500	59385 12.500	240785 12.500	199911 12.500	92672 12.500	659620
Level 2	Height Conc	120458 25.000	108692 25.000	439913 25.000	355798 25.000	167945 25.000	1192806
Level 3	Height Conc	267631 50.000	234056 50.000	925472 50.000	751969 50.000	353822 50.000	2532950
Level 4	Height Conc	506988 100.000	445274 100.000	1732421 100.000	1432658 100.000	677068 100.000	4794409
Level 5	Height Conc	930044 200.000	815533 200.000	3285915 200.000	2593016 200.000	1204233 200.000	8828741
Level 6	Height Conc	2274276 500.000	1947777 500.000	7875614 500.000	6309587 500.000	2995235 500.000	21402489

Multiple Component Initial Calibration Report: **35PEST1827101**

Component: **Toxaphene**

TOXA

Calibration Levels: 6

Avg Concentration (ng/ml): 200.000000

Min # of Peaks Required: 4

Max %RSD: 40

Report Base:

Slope:

Y-Intercept:

E-Flag Basis: Toxaphene

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>SUM</u>
Retention Time:	4.412	4.443	4.612	4.742	4.939	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:	1555780	1435489	1393959	1047915	1842110	7275252
RF (Height/Conc):	2560	2369	2308	1683	3035	
%RSD For RF	7.453	9.091	6.466	9.680	10.926	
Slope						
Y-Intercept						
Level 1	Height 140971	134479	123513	99368	180526	678857
	Conc 50.000	50.000	50.000	50.000	50.000	
Level 2	Height 247895	220914	236499	156946	320216	1182470
	Conc 100.000	100.000	100.000	100.000	100.000	
Level 3	Height 554827	516565	489827	346478	600301	2507998
	Conc 200.000	200.000	200.000	200.000	200.000	
Level 4	Height 1250104	1152469	1142486	791094	1364224	5700377
	Conc 500.000	500.000	500.000	500.000	500.000	
Level 5	Height 2430808	2269311	2183419	1563397	2748122	11195057
	Conc 1000.000	1000.000	1000.000	1000.000	1000.000	
Level 6	Height 4710072	4319196	4188010	3330208	5839269	22386755
	Conc 2000.000	2000.000	2000.000	2000.000	2000.000	

Multiple Component Initial Calibration Report: **35PEST1827101B**

Area Files Used For Calibration

Sequence _____ Injections _____

Component: **Aroclor-1016**

AR16

Calibration Levels: 1
 Min # of Peaks Required: 4
 Slope:
 Max %RSD: 40
 Y-Intercept:
 Concentration (ng/ml): 200.000000
 Report Base:
 E-Flag Basis: Aroclor-1016

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>SUM</u>
Retention Time:	2.776	3.100	3.275	3.575	3.601	3.689	
RT Window (Mins):	0.03000	0.03000	0.03000	0.03000	0.03000	0.03000	
Height:	478030	575610	429902	1214780	737234	582482	4018038
RF (Height/Conc):	2390	2878	2150	6074	3686	2912	
%RSD For RF	0.000	0.000	0.000	0.000	0.000	0.000	
Slope							
Y-Intercept							

Component: **Aroclor-1221**

2154

Calibration Levels: 1
 Min # of Peaks Required: 3
 Slope:
 Max %RSD: 5
 Y-Intercept:
 Concentration (ng/ml): 200.000000
 Report Base:
 E-Flag Basis: Aroclor-1221

	<u>1</u>	<u>2</u>	<u>3</u>	<u>SUM</u>
Retention Time:	2.635	2.698	2.776	
RT Window (Mins):	0.02000	0.02000	0.02000	
Height:	178974	186696	570566	936236
RF (Height/Conc):	895	933	2853	
%RSD For RF	0.000	0.000	0.000	
Slope				
Y-Intercept				

Component: **Aroclor-1248**

AR48

Calibration Levels: 1
 Min # of Peaks Required: 4
 Slope:
 Max %RSD: 30
 Y-Intercept:
 Concentration (ng/ml): 200.000000
 Report Base:
 E-Flag Basis: Aroclor-1248

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>SUM</u>
Retention Time:	3.768	3.806	3.913	4.214	4.334	4.569	
RT Window (Mins):	0.03000	0.03000	0.03000	0.03000	0.03000	0.03000	
Height:	688942	646608	809575	988302	744268	520331	4398026
RF (Height/Conc):	3445	3233	4048	4942	3721	2602	
%RSD For RF	0.000	0.000	0.000	0.000	0.000	0.000	
Slope							
Y-Intercept							

Multiple Component Initial Calibration Report: **35PEST1827101B**

Component: **Aroclor-1254**

2154

Calibration Levels: 1
 Min # of Peaks Required: 4
 Slope:

Max %RSD: 40
 Y-Intercept:

Concentration (ng/ml): 250.000000
 Report Base:
 E-Flag Basis: Aroclor-1254

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>SUM</u>
Retention Time:	4.195	4.339	4.570	4.744	4.892	4.973	
RT Window (Mins):	0.03000	0.03000	0.03000	0.03000	0.03000	0.03000	
Height:	1223649	1621409	2046312	1579762	1005073	1461179	8937384
RF (Height/Conc):	4895	6486	8185	6319	4020	5845	
%RSD For RF	0.000	0.000	0.000	0.000	0.000	0.000	
Slope							
Y-Intercept							

Component: **Aroclor-1260**

AR16

Calibration Levels: 1
 Min # of Peaks Required: 4
 Slope:

Max %RSD: 40
 Y-Intercept:

Concentration (ng/ml): 200.000000
 Report Base:
 E-Flag Basis: Aroclor-1260

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>SUM</u>
Retention Time:	4.669	4.817	4.974	5.138	5.291	5.440	
RT Window (Mins):	0.03000	0.03000	0.03000	0.03000	0.03000	0.03000	
Height:	1160180	1456372	1566131	783492	2082668	1249015	8297858
RF (Height/Conc):	5801	7282	7831	3917	10413	6245	
%RSD For RF	0.000	0.000	0.000	0.000	0.000	0.000	
Slope							
Y-Intercept							

Component: **Chlordane**

CHLD

Calibration Levels: 6
 Min # of Peaks Required: 4
 Slope:

Max %RSD: 40
 Y-Intercept:

Avg Concentration (ng/ml): 50.000000
 Report Base:
 E-Flag Basis: Chlordane

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>SUM</u>
Retention Time:	3.474	4.210	4.387	4.418	4.912	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:	617731	580686	2346851	1532712	612284	5690263
RF (Height/Conc):	4458	4262	16864	11181	4564	
%RSD For RF	7.476	9.814	8.168	8.734	10.768	
Slope						
Y-Intercept						
Level 1	Height 60506 Conc 12.500	Height 60529 Conc 12.500	Height 239202 Conc 12.500	Height 156941 Conc 12.500	Height 65430 Conc 12.500	Height 582608
Level 2	Height 112388 Conc 25.000	Height 105065 Conc 25.000	Height 412446 Conc 25.000	Height 282254 Conc 25.000	Height 114516 Conc 25.000	Height 1026669
Level 3	Height 238391 Conc 50.000	Height 233132 Conc 50.000	Height 882741 Conc 50.000	Height 598126 Conc 50.000	Height 247983 Conc 50.000	Height 2200373
Level 4	Height 451121 Conc 100.000	Height 418522 Conc 100.000	Height 1683626 Conc 100.000	Height 1101801 Conc 100.000	Height 456129 Conc 100.000	Height 4111199
Level 5	Height 814119 Conc 200.000	Height 780954 Conc 200.000	Height 3110725 Conc 200.000	Height 2049513 Conc 200.000	Height 822073 Conc 200.000	Height 7577384
Level 6	Height 2029860 Conc 500.000	Height 1885914 Conc 500.000	Height 7752366 Conc 500.000	Height 5007634 Conc 500.000	Height 1967573 Conc 500.000	Height 18643347

Multiple Component Initial Calibration Report: **35PEST1827101B**

Component: **Toxaphene**

TOXA

Calibration Levels: 6

Avg Concentration (ng/ml): 200.000000

Min # of Peaks Required: 4

Max %RSD: 40

Report Base:

Slope:

Y-Intercept:

E-Flag Basis: Toxaphene

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>SUM</u>
Retention Time:	4.748	4.910	5.038	5.251	5.316	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:	966658	1113259	1178209	805454	1227852	5291431
RF (Height/Conc):	1622	1875	1983	1344	2113	
%RSD For RF	13.259	11.929	11.512	12.306	13.676	
Slope						
Y-Intercept						
Level 1	Height 100811	110557	117093	79581	126848	534890
	Conc 50.000	50.000	50.000	50.000	50.000	
Level 2	Height 168155	205270	215362	147323	236841	972951
	Conc 100.000	100.000	100.000	100.000	100.000	
Level 3	Height 323536	376462	396942	269180	428349	1794469
	Conc 200.000	200.000	200.000	200.000	200.000	
Level 4	Height 735108	874982	923959	610526	958871	4103446
	Conc 500.000	500.000	500.000	500.000	500.000	
Level 5	Height 1422241	1599477	1727563	1141463	1815300	7706044
	Conc 1000.000	1000.000	1000.000	1000.000	1000.000	
Level 6	Height 3050095	3512803	3688336	2584649	3800901	16636784
	Conc 2000.000	2000.000	2000.000	2000.000	2000.000	

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952ACalibration File: 35PEST1827101GC Column (1): DB CLP1ID: 0.32 (mm)ICAL Date(s) Analyzed: 9/28/2018 9/28/2018

COMPOUND	RT OF STANDARDS						MIDPOINT RT	RT WINDOW	
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6		FROM	TO
Tetrachloro-m-xylene	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.89	1.93
Hcb	2.25	2.26	2.26	2.26	2.26	2.25	2.26	2.24	2.28
alpha-BHC	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.30	2.34
gamma-BHC (Lindane)	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.59	2.63
beta-BHC	2.81	2.82	2.81	2.81	2.81	2.82	2.81	2.79	2.83
Heptachlor	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.90	2.94
delta-BHC	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.05	3.09
Aldrin	3.20	3.21	3.20	3.20	3.20	3.21	3.20	3.18	3.22
Telodrin	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.28	3.32
Heptachlor epoxide	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.63	3.67
gamma-Chlordane	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.80	3.84
o,p-DDE	3.85	3.83	3.83	3.83	3.83	3.83	3.83	3.81	3.85
alpha-Chlordane	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.87	3.91
Endosulfan I	3.92	3.93	3.92	3.93	3.92	3.93	3.93	3.91	3.95
4,4'-DDE	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.01	4.05
Dieldrin	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.10	4.14
o,p-DDD	4.16	4.17	4.17	4.17	4.17	4.16	4.17	4.15	4.19
Endrin	4.32	4.32	4.31	4.32	4.32	4.32	4.32	4.30	4.34
o,p-DDT	4.34	4.34	4.34	4.34	4.34	4.34	4.34	4.32	4.36
4,4'-DDD	4.40	4.40	4.39	4.40	4.39	4.40	4.40	4.38	4.42
Endosulfan II	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.46	4.50
4,4'-DDT	4.56	4.56	4.55	4.56	4.56	4.56	4.56	4.54	4.58
Endrin aldehyde	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.59	4.63
Endosulfan sulfate	4.72	4.73	4.72	4.72	4.72	4.73	4.72	4.70	4.74
Methoxychlor	4.92	4.93	4.92	4.92	4.92	4.93	4.92	4.90	4.94
Endrin ketone	5.04	5.05	5.04	5.04	5.04	5.05	5.04	5.02	5.06
Mirex	5.11	5.12	5.12	5.12	5.12	5.11	5.12	5.10	5.14
Decachlorobiphenyl	5.59	5.59	5.59	5.59	5.59	5.59	5.59	5.56	5.62

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

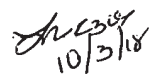
Instrument: 24952ACalibration File: 35PEST1827101GC Column (1): DB CLP1ID: 0.32 (mm)ICAL Date(s) Analyzed: 9/28/2018 9/28/2018

COMPOUND	CALIBRATION FACTORS						MEAN	%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6		
Tetrachloro-m-xylene	1.55E+05	1.34E+05	1.26E+05	1.17E+05	1.26E+05	1.15E+05	1.29E+05	11
Hcb	1.97E+05	1.77E+05	1.76E+05	1.57E+05	1.53E+05	1.56E+05	1.69E+05	10
alpha-BHC	2.52E+05	2.21E+05	2.17E+05	1.95E+05	2.21E+05	2.02E+05	2.18E+05	9
gamma-BHC (Lindane)	2.34E+05	2.04E+05	1.97E+05	1.81E+05	2.00E+05	1.82E+05	2.00E+05	10
beta-BHC	1.15E+05	1.01E+05	9.37E+04	8.40E+04	8.87E+04	8.12E+04	9.40E+04	14
Heptachlor	2.08E+05	1.80E+05	1.72E+05	1.60E+05	1.77E+05	1.63E+05	1.77E+05	10
delta-BHC	2.26E+05	2.02E+05	1.95E+05	1.83E+05	2.01E+05	1.84E+05	1.99E+05	8
Aldrin	2.17E+05	1.92E+05	1.87E+05	1.74E+05	1.92E+05	1.76E+05	1.90E+05	8
Telodrin	1.57E+05	1.35E+05	1.37E+05	1.20E+05	1.19E+05	1.21E+05	1.31E+05	11
Heptachlor epoxide	2.28E+05	1.98E+05	1.88E+05	1.74E+05	1.87E+05	1.73E+05	1.92E+05	11
gamma-Chlordane	2.36E+05	2.07E+05	2.01E+05	1.81E+05	2.01E+05	1.84E+05	2.02E+05	10
o,p-DDE	1.54E+05	1.36E+05	1.32E+05	1.23E+05	1.21E+05	1.18E+05	1.31E+05	10
alpha-Chlordane	2.39E+05	2.10E+05	1.93E+05	1.82E+05	1.91E+05	1.83E+05	2.00E+05	11
Endosulfan I	2.22E+05	1.97E+05	1.89E+05	1.73E+05	1.84E+05	1.72E+05	1.90E+05	10
4,4'-DDE	2.35E+05	1.94E+05	1.92E+05	1.77E+05	1.95E+05	1.83E+05	1.96E+05	10
Dieldrin	2.42E+05	2.01E+05	2.07E+05	1.90E+05	2.02E+05	1.92E+05	2.06E+05	9
o,p-DDD	1.39E+05	1.23E+05	1.22E+05	1.07E+05	1.07E+05	1.07E+05	1.18E+05	11
Endrin	2.17E+05	1.86E+05	1.83E+05	1.72E+05	1.84E+05	1.68E+05	1.85E+05	9
o,p-DDT	1.51E+05	1.32E+05	1.30E+05	1.14E+05	1.14E+05	1.16E+05	1.26E+05	11
4,4'-DDD	1.92E+05	1.58E+05	1.61E+05	1.52E+05	1.66E+05	1.50E+05	1.63E+05	9
Endosulfan II	2.28E+05	1.88E+05	1.83E+05	1.67E+05	1.76E+05	1.66E+05	1.85E+05	12
4,4'-DDT	1.81E+05	1.48E+05	1.51E+05	1.41E+05	1.49E+05	1.38E+05	1.52E+05	10
Endrin aldehyde	1.86E+05	1.56E+05	1.47E+05	1.34E+05	1.45E+05	1.36E+05	1.51E+05	13
Endosulfan sulfate	2.06E+05	1.72E+05	1.62E+05	1.50E+05	1.58E+05	1.49E+05	1.66E+05	13
Methoxychlor	8.75E+04	7.32E+04	6.96E+04	6.40E+04	7.00E+04	6.42E+04	7.14E+04	12
Endrin ketone	2.42E+05	1.95E+05	1.90E+05	1.74E+05	1.83E+05	1.70E+05	1.92E+05	14
Mirex	1.54E+05	1.33E+05	1.32E+05	1.21E+05	1.21E+05	1.22E+05	1.30E+05	10
Decachlorobiphenyl	1.67E+05	1.46E+05	1.29E+05	1.16E+05	1.23E+05	1.16E+05	1.33E+05	15

Linear

DJS 15222

10/3/18



10/3/18

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952ACalibration File: 35PEST1827101GC Column (1): DB CLP1ID: 0.32 (mm)ICAL Date(s) Analyzed: 9/28/2018 9/28/2018

COMPOUND	PEAK	RT	RT WINDOW		CALIBRATION		AMOUNT (ng)	PEAK HEIGHT	%RSD
			FROM	TO	FACTOR	LEVEL			
Aroclor-1016	1	2.25	2.22	2.28	2624	1	200	524898	.00
	2	2.54	2.51	2.57	3939	1	200	787791	.00
	3	2.74	2.71	2.77	2315	1	200	462953	.00
	4	2.93	2.90	2.96	7048	1	200	1409575	.00
	5	3.01	2.98	3.04	4095	1	200	818935	.00
	6	3.13	3.10	3.16	2927	1	200	585464	.00
Aroclor-1221	1	2.11	2.09	2.13	1592	1	200	318417	.00
	2	2.19	2.17	2.21	1094	1	200	218750	.00
	3	2.25	2.23	2.27	3368	1	200	673637	.00
Aroclor-1248	1	3.18	3.15	3.21	3742	1	200	748386	.00
	2	3.41	3.38	3.44	4979	1	200	995865	.00
	3	3.44	3.41	3.47	1696	1	200	339191	.00
	4	3.69	3.66	3.72	5572	1	200	1114373	.00
	5	3.72	3.69	3.75	6085	1	200	1217059	.00
	6	4.13	4.10	4.16	3435	1	200	687059	.00
Aroclor-1254	1	3.72	3.69	3.75	6110	1	250	1527518	.00
	2	3.82	3.79	3.85	7319	1	250	1829674	.00
	3	4.06	4.03	4.09	5895	1	250	1473741	.00
	4	4.27	4.24	4.30	7522	1	250	1880506	.00
	5	4.48	4.45	4.51	4999	1	250	1249644	.00
	6	4.55	4.52	4.58	7892	1	250	1973099	.00
Aroclor-1260	1	4.23	4.20	4.26	8296	1	200	1659144	.00
	2	4.34	4.31	4.37	9896	1	200	1979143	.00
	3	4.55	4.52	4.58	9747	1	200	1949397	.00
	4	4.74	4.71	4.77	6987	1	200	1397372	.00
	5	4.86	4.83	4.89	15648	1	200	3129605	.00
	6	5.06	5.03	5.09	11828	1	200	2365649	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952A

Calibration File: 35PEST1827101

GC Column (1): DB CLP1

ID: 0.32 (mm)

ICAL Date(s) Analyzed: 9/28/2018 9/28/2018

COMPOUND	PEAK	RT	RT WINDOW		CALIBRATION FACTOR	LEVEL	AMOUNT (ng)	PEAK HEIGHT	%RSD
			FROM	TO					
Chlordane	1	2.76	2.74	2.78	4965	1	12.5	66867	6.99
	1					25	120458		
	1					50	267631		
	1					100	506988		
	1					200	930044		
	1					500	2274276		
	2	3.67	3.65	3.69	4368	1	12.5	59385	7.66
	2					25	108692		
	2					50	234056		
	2					100	445274		
	2					200	815533		
	2					500	1947777		
	3	3.82	3.80	3.84	17479	1	12.5	240785	7.40
	3					25	439913		
	3					50	925472		
	3					100	1732421		
	3					200	3285915		
	3					500	7875614		
	4	3.89	3.87	3.91	14196	1	12.5	199911	8.89
	4					25	355798		
	4					50	751969		
	4					100	1432658		
	4					200	2593016		
	4					500	6309587		
5	4.49	4.47	4.51	6665	1	12.5	92672	8.52	
5					25	167945			
5					50	353822			
5					100	677068			
5					200	1204233			
5					500	2995235			

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952ACalibration File: 35PEST1827101GC Column (1): DB CLP1ID: 0.32 (mm)ICAL Date(s) Analyzed: 9/28/2018 9/28/2018

COMPOUND	PEAK	RT	RT WINDOW		CALIBRATION FACTOR	LEVEL	AMOUNT (ng)	PEAK HEIGHT	%RSD
			FROM	TO					
Toxaphene	1	4.41	4.39	4.43	2560	1	50	140971	7.45
	1					100	247895		
	1					200	554827		
	1					500	1250104		
	1					1000	2430808		
	1					2000	4710072		
	2	4.44	4.42	4.46	2369	1	50	134479	9.09
	2					100	220914		
	2					200	516565		
	2					500	1152469		
	2					1000	2269311		
	2					2000	4319196		
	3	4.61	4.59	4.63	2308	1	50	123513	6.47
	3					100	236499		
	3					200	489827		
	3					500	1142486		
	3					1000	2183419		
	3					2000	4188010		
4	4.74	4.72	4.76	1683	1	50	99368	9.68	
4					100	156946			
4					200	346478			
4					500	791094			
4					1000	1563397			
4					2000	3330208			
5	4.94	4.92	4.96	3035	1	50	180526	10.93	
5					100	320216			
5					200	600301			
5					500	1364224			
5					1000	2748122			
5					2000	5839269			

File Name: V:\CP35\35pest1827101.CAL
 Version: 14

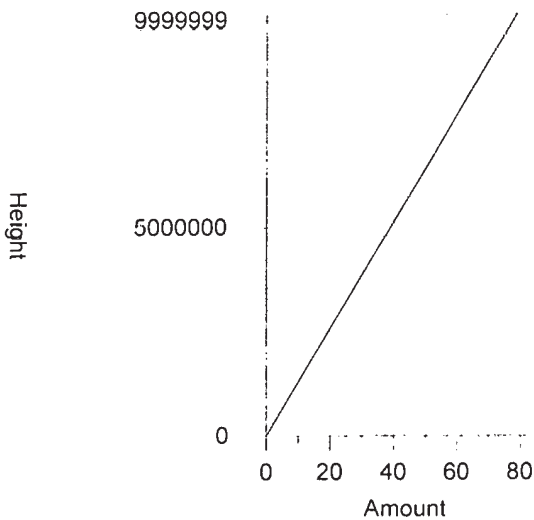
Creator:
 Description:
 Reason for change:

External standard calibration
 Standard injection volume: 1
 No sample weight correction
 Area reject threshold: 0
 Reference peak area reject threshold: 50
 Amount units: PPB
 No default component

Method of calculating data point averages: Current update equal to cal data
 No calibration update report

All levels are normal data points.

1 TCX



Expected retention time: 1.907 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

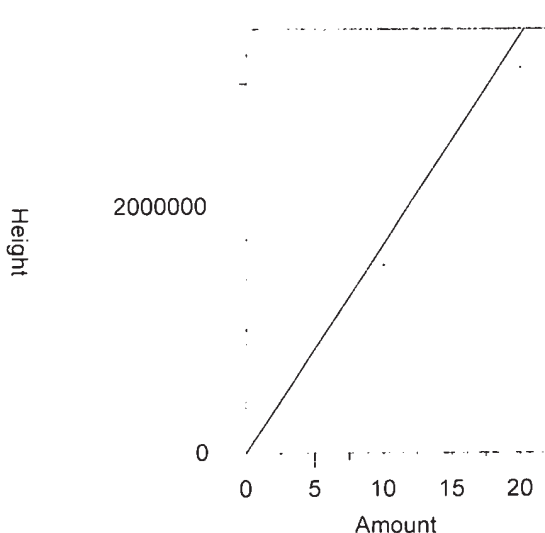
Single peak quantification by height

$$Y = 128887 X + 0$$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9789581
 Average error: 8.179%
 Average CF: 128887
 RSD: 11.304%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	310107	155053.5	20.302	Manual
2	4	537387.4	134346.8	4.236	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.005.BND
3	20	2519554	125977.7	-2.257	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.006.BND
4	40	4673621	116840.5	-9.347	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.007.BND
5	61	7671703	125765.6	-2.422	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.008.BND
6	80	9227041	115338	-10.512	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.009.BND

2 HCB



Expected retention time: 2.256 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

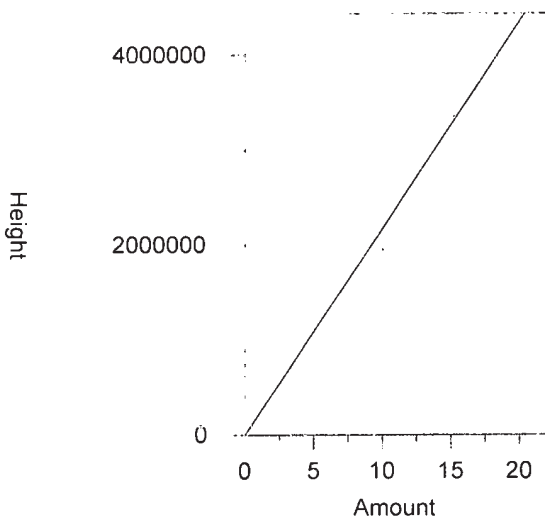
Single peak quantification by height

$Y = 169409.3 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9846411
 Average error: 8.241%
 Average CF: 169409.3
 RSD: 10.137%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	0.5	98665	197330	16.481	Manual	10/3/2018 5:37:43 PM
2	1	177144	177144	4.566	Manual	10/3/2018 5:39:53 PM
3	2.5	439090	175636	3.676	Manual	10/3/2018 5:41:42 PM
4	5	787050	157410	-7.083	Manual	10/3/2018 5:43:14 PM
5	10	1527617	152761.7	-9.827	Manual	10/3/2018 5:44:57 PM
6	20	3123485	156174.3	-7.812	Manual	10/3/2018 5:46:17 PM

3 alpha-BHC



Expected retention time: 2.319 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

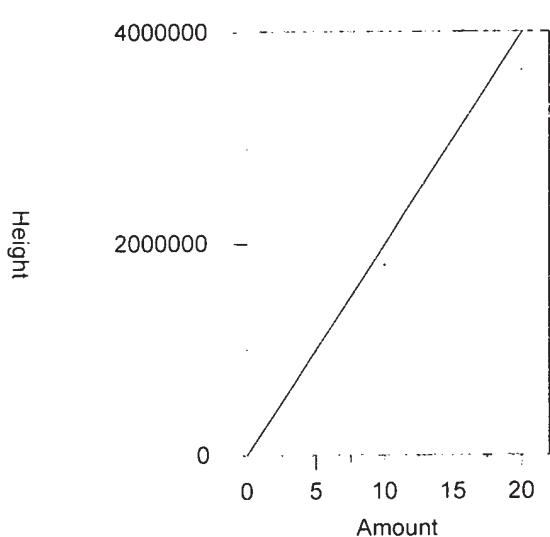
$Y = 217924.9 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9879102
 Average error: 6.091%
 Average CF: 217924.9
 RSD: 9.106%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	126093	252186	15.722	Manual
2	1	220572.4	220572.4	1.215	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.005
3	5	1085325	217065	-0.395	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.006
4	10	1952809	195280.9	-10.391	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.007
5	15.2	3356697	220835.3	1.336	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.008
6	20	4032190	201609.5	-7.487	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.009

4 gamma-BHC

Chrom Perfect Calibration File



Expected retention time: 2.613 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

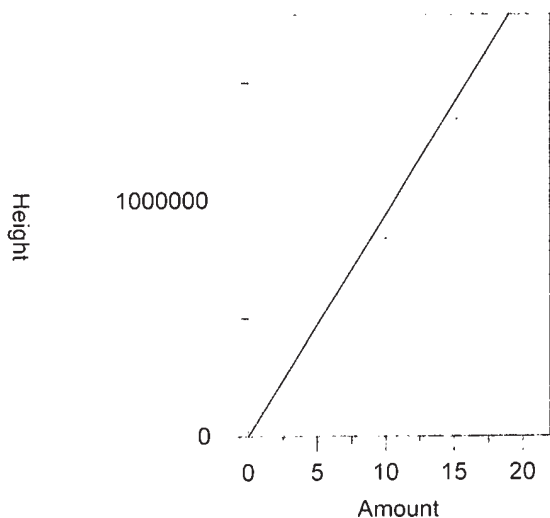
Single peak quantification by height

$Y = 199625.7 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9853224
 Average error: 6.512%
 Average CF: 199625.7
 RSD: 9.645%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	116814	233628	17.033	Manual
2	1	204476.8	204476.8	2.430	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.005
3	5	985655.6	197131.1	-1.250	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.006
4	10	1805680	180568	-9.547	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.007
5	15.2	3036504	199770	0.072	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.008
6	20	3643608	182180.4	-8.739	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.009

5 beta-BHC



Expected retention time: 2.814 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

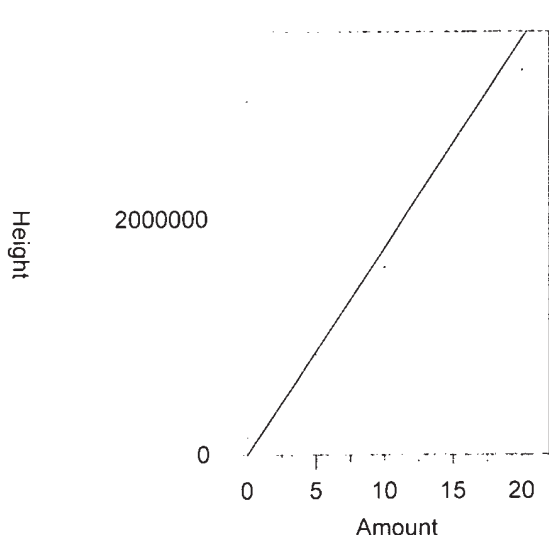
$Y = 94043.35 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9607049
 Average error: 10.155%
 Average CF: 94043.35
 RSD: 13.502%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	57727	115454	22.767	Manual
2	1	101282.6	101282.6	7.698	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.005
3	5	468432.1	93686.42	-0.380	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.006
4	10	839572	83957.2	-10.725	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.007
5	15.2	1347701	88664.54	-5.719	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.008
6	20	1624307	81215.35	-13.641	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.009

6 Heptachlor

Chrom Perfect Calibration File



Expected retention time: 2.921 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

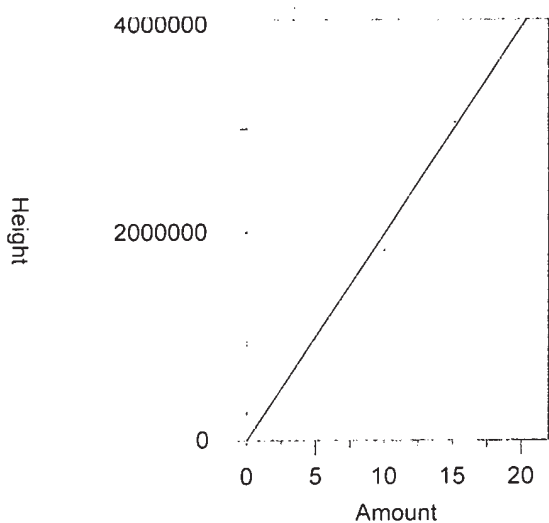
Single peak quantification by height

$Y = 176794.9 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9885383
 Average error: 6.635%
 Average CF: 176794.9
 RSD: 9.696%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	104013	208026	17.665	Manual
2	1	180307.4	180307.4	1.987	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.005
3	5	857817.3	171563.5	-2.959	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.006
4	10	1602244	160224.4	-9.373	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.007
5	15.4	2729564	177244.4	0.254	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.008
6	20	3268076	163403.8	-7.574	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.009

7 delta-BHC



Expected retention time: 3.072 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

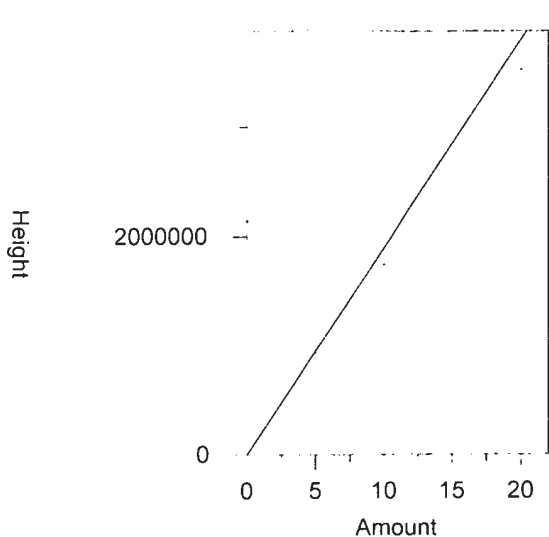
$Y = 198683.8 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9898729
 Average error: 5.641%
 Average CF: 198683.8
 RSD: 7.906%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	112959	225918	13.707	Manual
2	1	202267.7	202267.7	1.804	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.005
3	5	976882.8	195376.6	-1.665	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.006
4	10	1829480	182948	-7.920	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.007
5	15.2	3062641	201489.5	1.412	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.008
6	20	3682063	184103.2	-7.339	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.009

8 Aldrin

Chrom Perfect Calibration File



Expected retention time: 3.204 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

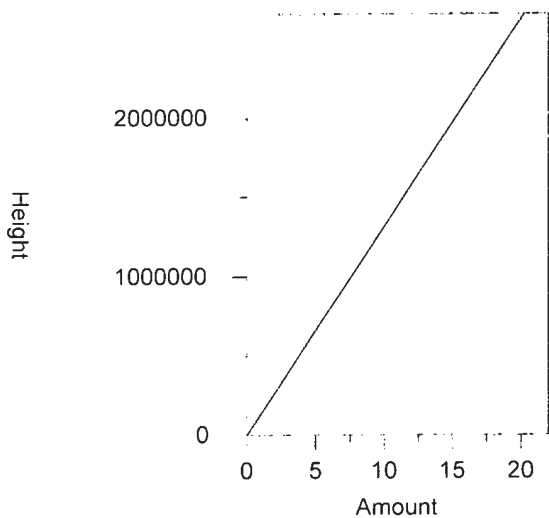
Single peak quantification by height

$$Y = 189754.5 X + 0$$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9901804
 Average error: 5.529%
 Average CF: 189754.5
 RSD: 8.048%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	108375	216750	14.227	Manual
2	1	192232	192232	1.306	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.005
3	5	936210.2	187242	-1.324	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.006
4	10	1744157	174415.7	-8.084	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.007
5	15.2	2914716	191757.6	1.056	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.008
6	20	3522594	176129.7	-7.180	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.009

9 Telodrin



Expected retention time: 3.304 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

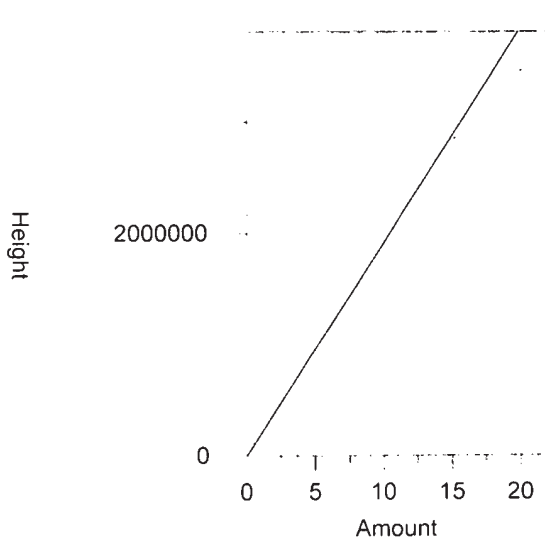
$$Y = 131483.8 X + 0$$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.983974
 Average error: 8.774%
 Average CF: 131483.8
 RSD: 11.317%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	0.5	78635	157270	19.612	Manual	10/3/2018 5:38:00 PM
2	1	134937	134937	2.626	Manual	10/3/2018 5:40:12 PM
3	2.5	342135	136854	4.084	Manual	10/3/2018 5:41:52 PM
4	5	599890	119978	-8.751	Manual	10/3/2018 5:43:33 PM
5	10	1189145	118914.5	-9.560	Manual	10/3/2018 5:45:11 PM
6	20	2418982	120949.1	-8.012	Manual	10/3/2018 5:46:25 PM

10 Hept. epoxide

Chrom Perfect Calibration File



Expected retention time: 3.649 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

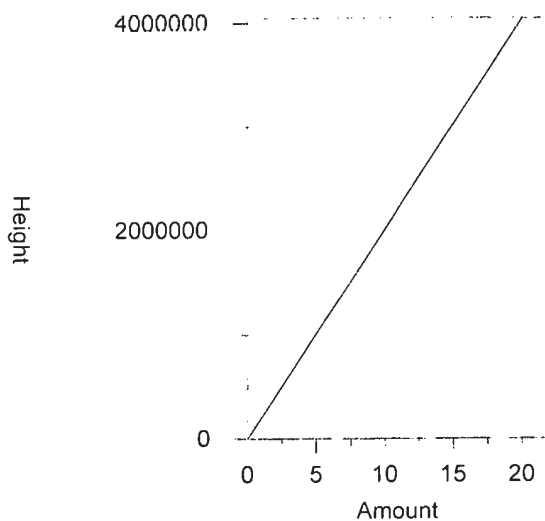
Single peak quantification by height

$Y = 191530.6 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9813715
 Average error: 7.577%
 Average CF: 191530.6
 RSD: 10.658%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	114103	228206	19.149	Manual
2	1	198394.3	198394.3	3.584	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.005
3	5	942496.3	188499.3	-1.583	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.006
4	10	1740255	174025.5	-9.140	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.007
5	15.2	2849806	187487.2	-2.111	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.008
6	20	3451431	172571.5	-9.899	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.009

11 g. Chlordane



Expected retention time: 3.82 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

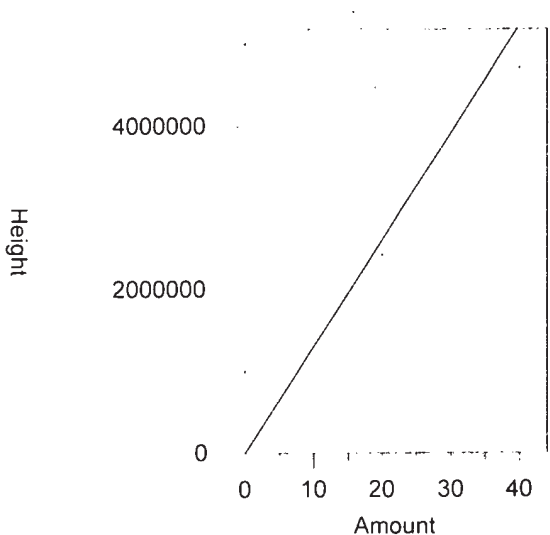
Single peak quantification by height

$Y = 201779 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9844381
 Average error: 6.558%
 Average CF: 201779
 RSD: 9.778%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	117987	235974	16.947	Manual
2	1	207282.3	207282.3	2.727	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.005
3	5	1005673	201134.6	-0.319	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.006
4	10	1811171	181117.1	-10.240	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.007
5	15.2	3058974	201248.3	-0.263	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.008
6	20	3678356	183917.8	-8.852	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.009

12 o,p-DDE



Expected retention time: 3.826 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

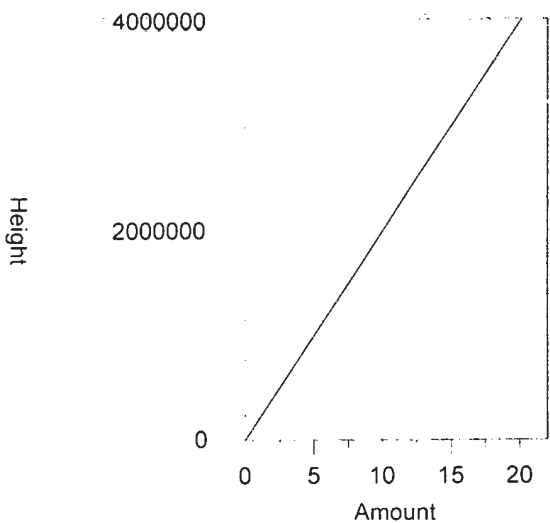
Single peak quantification by height

$Y = 130649.2 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9798445
 Average error: 7.731%
 Average CF: 130649.2
 RSD: 10.372%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	1	154488	154488	18.246	Manual	10/3/2018 5:38:19 PM
2	2	272370	136185	4.237	Manual	10/3/2018 5:40:37 PM
3	5	657877	131575.4	0.709	Manual	10/3/2018 5:42:07 PM
4	10	1225824	122582.4	-6.174	Manual	10/3/2018 5:43:47 PM
5	20	2425600	121280	-7.171	Manual	10/3/2018 5:45:23 PM
6	40	4711382	117784.5	-9.847	Manual	10/3/2018 5:46:37 PM

13 a. Chlordane



Expected retention time: 3.888 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

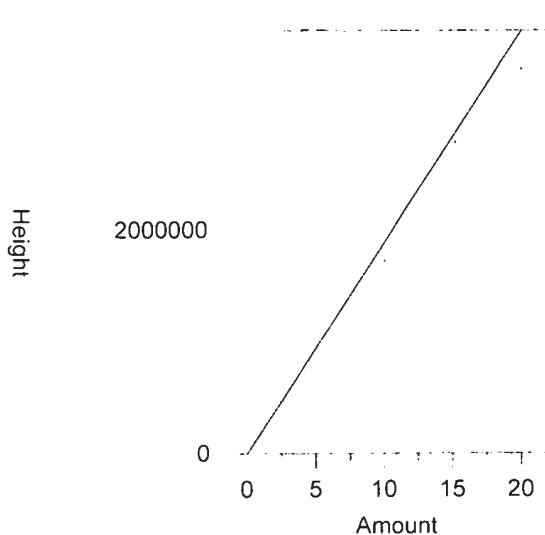
$Y = 199835.3 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9847412
 Average error: 8.190%
 Average CF: 199835.3
 RSD: 10.796%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	119462	238924	19.560	Manual
2	1	209843.4	209843.4	5.008	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.005
3	5	966899.6	193379.9	-3.230	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.006
4	10	1824337	182433.7	-8.708	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.007
5	15.4	2948531	191463.1	-4.190	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.008
6	20	3659350	182967.5	-8.441	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.009

14 Endosulfan I

Chrom Perfect Calibration File



Expected retention time: 3.925 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

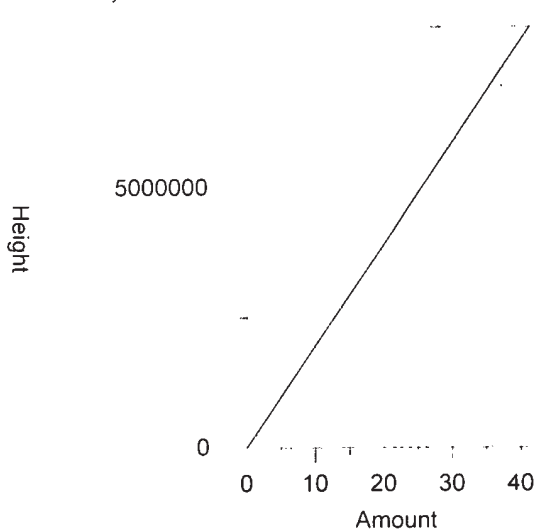
Single peak quantification by height

$Y = 189514.7 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9840244
 Average error: 6.974%
 Average CF: 189514.7
 RSD: 9.745%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	111000	222000	17.141	Manual
2	1	196681.1	196681.1	3.781	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.005
3	5	945496.1	189099.2	-0.219	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.006
4	10	1728421	172842.1	-8.798	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.007
5	15.2	2796446	183976.7	-2.922	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.008
6	20	3449783	172489.2	-8.984	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.009

15 4,4'-DDE



Expected retention time: 4.033 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

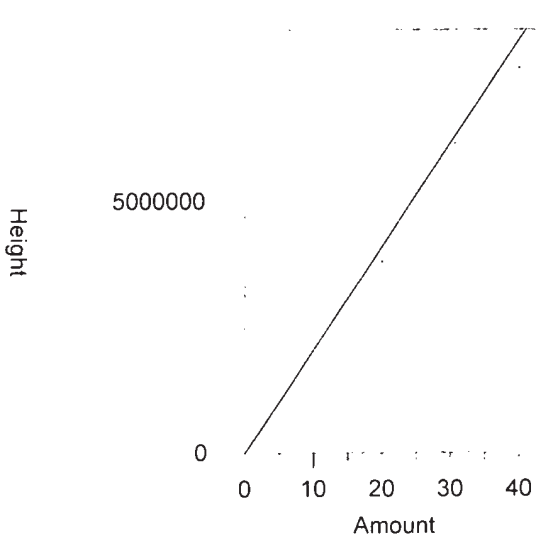
$Y = 196142.4 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9903771
 Average error: 6.646%
 Average CF: 196142.4
 RSD: 10.424%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	235250	235250	19.938	Manual
2	2	388829.8	194414.9	-0.881	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.005
3	10	1916790	191679	-2.276	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.006
4	20	3535759	176788	-9.868	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.007
5	30.4	5938157	195334.1	-0.412	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.008
6	40	7335527	183388.2	-6.503	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.009

16 Dieldrin

Chrom Perfect Calibration File



Expected retention time: 4.118 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

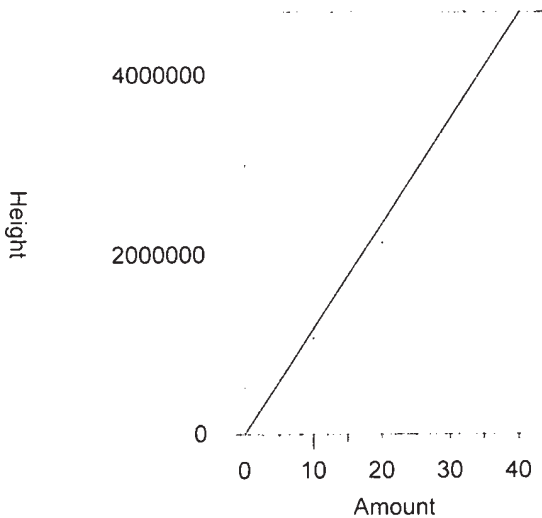
Single peak quantification by height

$Y = 205513.4 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9911893
 Average error: 6.027%
 Average CF: 205513.4
 RSD: 9.105%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	241520	241520	17.520	Manual
2	2	402381.9	201191	-2.103	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.005
3	10	2066675	206667.5	0.562	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.006
4	20	3808019	190401	-7.353	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.007
5	30.6	6168789	201594.4	-1.907	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.008
6	40	7668256	191706.4	-6.718	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.009

17 o,p-DDD



Expected retention time: 4.165 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

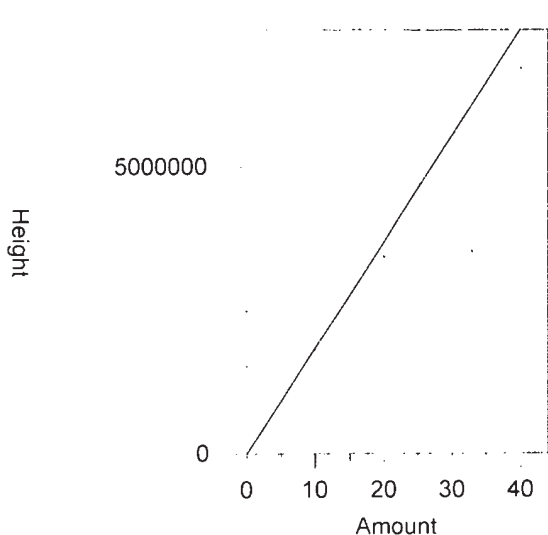
$Y = 117707.5 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.980222
 Average error: 9.089%
 Average CF: 117707.5
 RSD: 11.208%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	1	139439	139439	18.462	Manual	10/3/2018 5:38:35 PM
2	2	246945	123472.5	4.898	Manual	10/3/2018 5:40:52 PM
3	5	611530	122306	3.907	Manual	10/3/2018 5:42:23 PM
4	10	1073560	107356	-8.794	Manual	10/3/2018 5:44:02 PM
5	20	2135307	106765.4	-9.296	Manual	10/3/2018 5:45:33 PM
6	40	4276241	106906	-9.177	Manual	10/3/2018 5:46:48 PM

18 Endrin

Chrom Perfect Calibration File



Expected retention time: 4.317 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

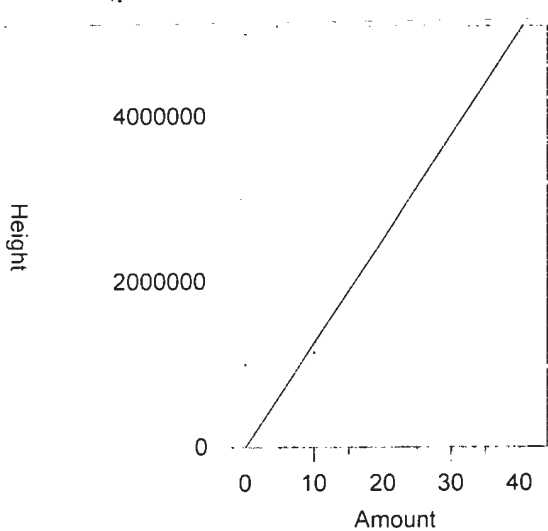
Single peak quantification by height

$Y = 185015.5 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9852741
 Average error: 6.042%
 Average CF: 185015.5
 RSD: 9.446%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	217422	217422	17.516	Manual
2	2	372289.5	186144.8	0.610	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.005
3	10	1826648	182664.8	-1.271	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.006
4	20	3434704	171735.2	-7.178	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.007
5	30.4	5600578	184229.5	-0.425	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.008
6	40	6715870	167896.8	-9.253	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.009

19 o,p-DDT



Expected retention time: 4.34 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

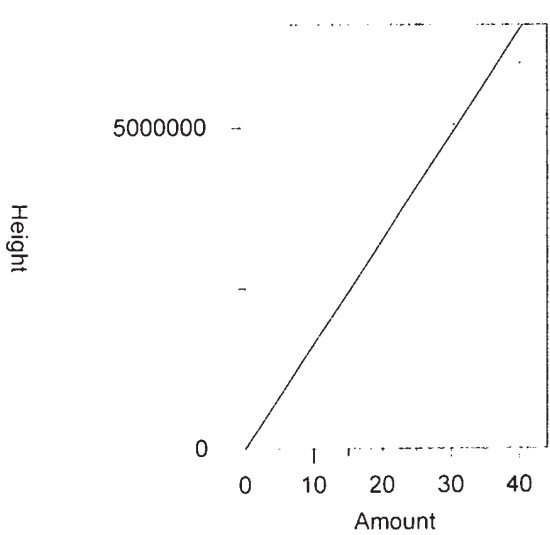
$Y = 126148 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9836993
 Average error: 8.961%
 Average CF: 126148
 RSD: 11.422%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	1	150776	150776	19.523	Manual	10/3/2018 5:38:44 PM
2	2	264158	132079	4.702	Manual	10/3/2018 5:41:03 PM
3	5	647503	129500.6	2.658	Manual	10/3/2018 5:42:37 PM
4	10	1142880	114288	-9.402	Manual	10/3/2018 5:44:15 PM
5	20	2286880	114344	-9.357	Manual	10/3/2018 5:45:47 PM
6	40	4636009	115900.2	-8.124	Manual	10/3/2018 5:47:00 PM

20 4,4'-DDD

Chrom Perfect Calibration File



Expected retention time: 4.396 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

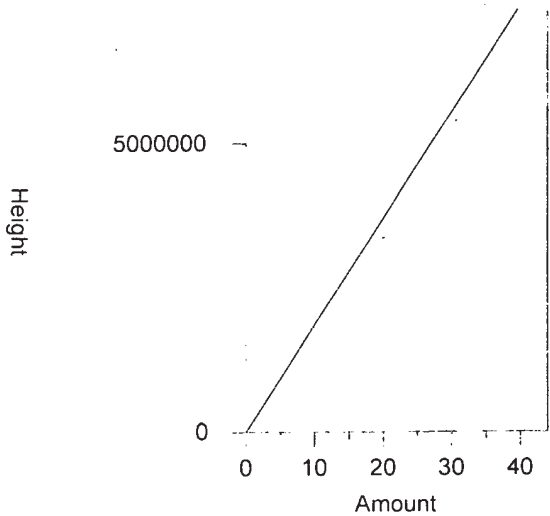
Single peak quantification by height

$Y = 163093 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9887115
 Average error: 6.398%
 Average CF: 163093
 RSD: 9.292%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	191635	191635	17.500	Manual
2	2	316740.8	158370.4	-2.896	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.005
3	10	1608837	160883.7	-1.355	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.006
4	20	3036878	151843.9	-6.897	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.007
5	30.4	5042006	165855.5	1.694	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.008
6	40	5998778	149969.5	-8.047	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.009

21 Endosulfan II



Expected retention time: 4.478 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

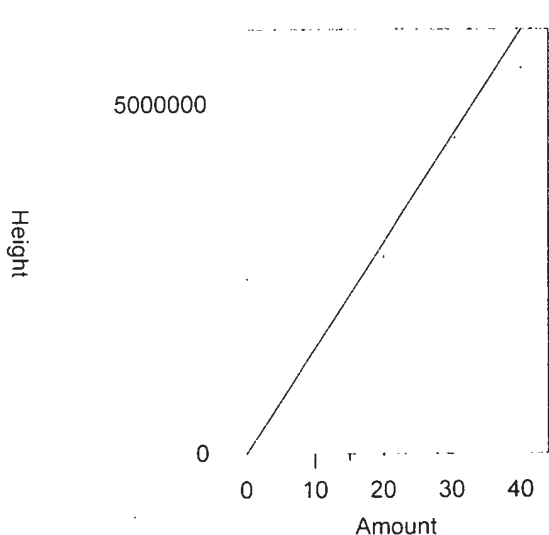
Single peak quantification by height

$Y = 184789 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9790756
 Average error: 8.389%
 Average CF: 184789
 RSD: 12.332%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	227994	227994	23.381	Manual
2	2	376185.4	188092.7	1.788	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.005
3	10	1825068	182506.8	-1.235	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.006
4	20	3348425	167421.3	-9.399	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.007
5	30.6	5398418	176418.9	-4.530	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.008
6	40	6652027	166300.7	-10.005	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.009

22 4,4'-DDT



Expected retention time: 4.556 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

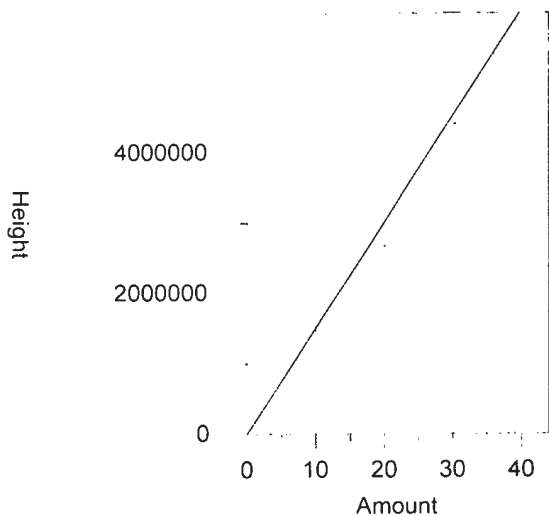
Single peak quantification by height

$Y = 151597.7 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9860183
 Average error: 6.561%
 Average CF: 151597.7
 RSD: 10.200%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	181435	181435	19.682	Manual
2	2	296809.8	148404.9	-2.106	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.005
3	10	1513163	151316.3	-0.186	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.006
4	20	2827660	141383	-6.738	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.007
5	30.4	4530102	149016.5	-1.703	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.008
6	40	5521209	138030.2	-8.950	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.009

23 Endrin aldehyde



Expected retention time: 4.61 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

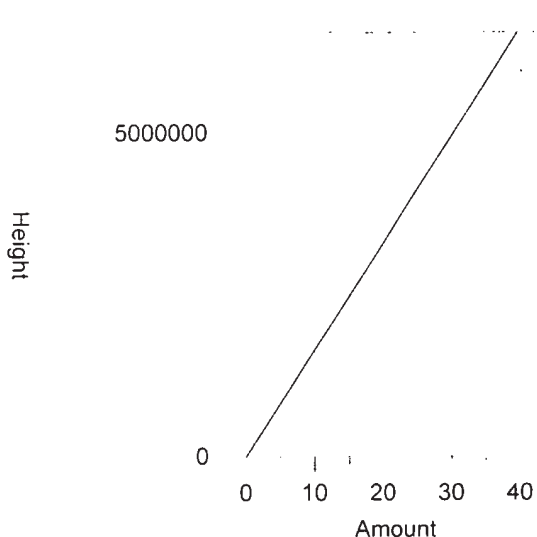
$Y = 150680.5 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9792007
 Average error: 9.110%
 Average CF: 150680.5
 RSD: 12.704%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	186065	186065	23.483	Manual
2	2	312953	156476.5	3.847	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.005
3	10	1466513	146651.3	-2.674	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.006
4	20	2676290	133814.5	-11.193	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.007
5	30.4	4408622	145020.5	-3.756	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.008
6	40	5442206	136055.2	-9.706	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.009

24 Endo. sulfate

Chrom Perfect Calibration File



Expected retention time: 4.723 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

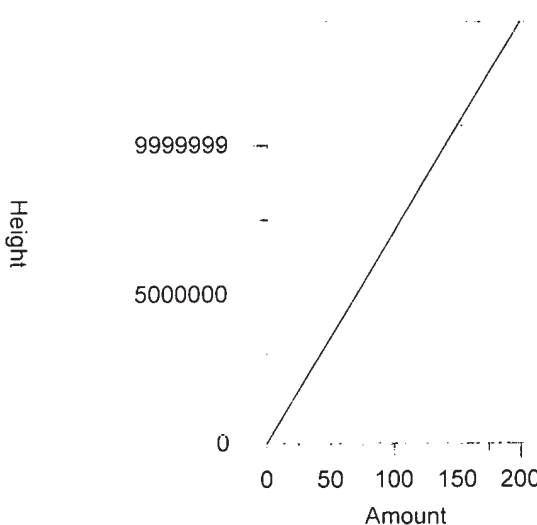
Single peak quantification by height

$Y = 165986.7 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9770856
 Average error: 9.235%
 Average CF: 165986.7
 RSD: 12.801%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	205575	205575	23.850	Manual
2	2	344767.5	172383.8	3.854	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.005
3	10	1617651	161765.1	-2.543	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.006
4	20	2990608	149530.4	-9.914	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.007
5	30.6	4829536	157828	-4.915	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.008
6	40	5953527	148838.2	-10.331	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.009

25 Methoxychlor



Expected retention time: 4.924 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 1
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

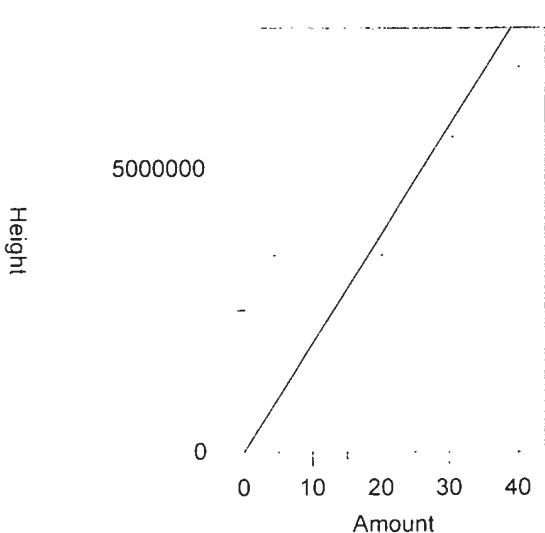
$Y = 71418.85 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9798981
 Average error: 8.329%
 Average CF: 71418.85
 RSD: 12.104%

Level	Amount	Response	Cal Factor	Error, %	Source
1	5	437488	87497.6	22.513	Manual
2	10	731852.3	73185.23	2.473	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest1827100:
3	50	3478618	69572.36	-2.585	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest1827100:
4	100	6400979	64009.79	-10.374	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest1827100:
5	152	1.064344E+07	70022.63	-1.955	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest1827100:
6	200	1.28451E+07	64225.5	-10.072	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest1827100:

26 Endrin ketone

Chrom Perfect Calibration File



Expected retention time: 5.044 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

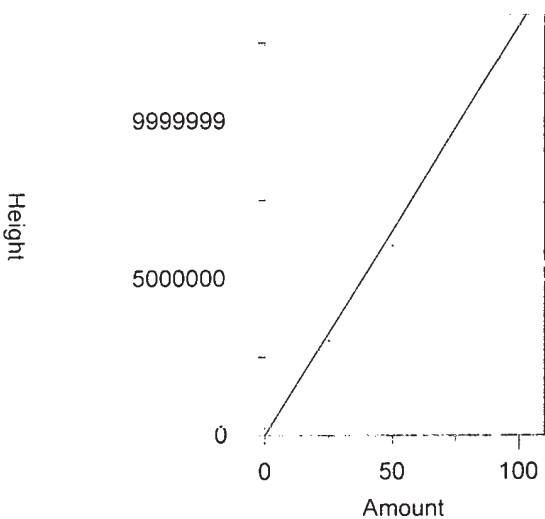
Single peak quantification by height

$Y = 192452.3 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.972092
 Average error: 9.151%
 Average CF: 192452.3
 RSD: 13.634%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	242349	242349	25.927	Manual
2	2	390773.8	195386.9	1.525	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.005
3	10	1900145	190014.5	-1.267	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.006
4	20	3476206	173810.3	-9.687	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.007
5	30.4	5567877	183153.8	-4.832	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.008
6	40	6799962	169999	-11.667	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.009

27 Mirex



Expected retention time: 5.116 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 1
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

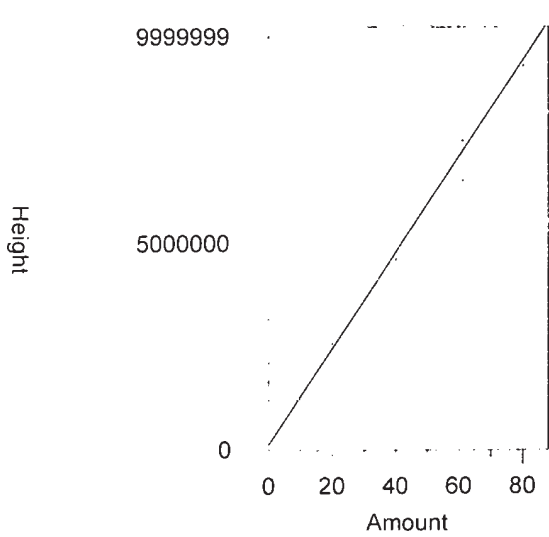
$Y = 130379.3 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9895568
 Average error: 7.099%
 Average CF: 130379.3
 RSD: 9.838%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	2.5	384920	153968	18.092	Manual	10/3/2018 5:39:09 PM
2	5	663174	132634.8	1.730	Manual	10/3/2018 5:41:12 PM
3	12.5	1653796	132303.7	1.476	Manual	10/3/2018 5:42:50 PM
4	25	3021195	120847.8	-7.311	Manual	10/3/2018 5:44:42 PM
5	50	6047458	120949.2	-7.233	Manual	10/3/2018 5:46:06 PM
6	100	1.215723E+07	121572.3	-6.755	Manual	10/3/2018 5:47:34 PM

28 DCB

Chrom Perfect Calibration File



Expected retention time: 5.592 minutes
 Search window: 0.03 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

Linear fit with equal weighting
 Coefficient of determination: 0.9981244
 Average error: 4.518%
 Average CF: 132839
 RSD: 15.175%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	334526	167263	-10.307	Manual
2	4	583197.1	145799.3	-3.725	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.005
3	20	2580333	129016.6	4.546	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.006
4	40	4624420	115610.5	-3.579	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.007
5	61	7495576	122878.3	3.524	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.008
6	80	9317308	116466.4	-1.425	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.009

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952BCalibration File: 35PEST1827101BGC Column (2) : DB CLP2ID: 0.32 (mm)ICAL Date(s) Analyzed: 9/28/2018 9/28/2018

COMPOUND	RT OF STANDARDS						MIDPOINT RT	RT WINDOW	
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6		FROM	TO
Tetrachloro-m-xylene	2.49	2.49	2.50	2.49	2.50	2.49	2.49	2.47	2.51
alpha-BHC	2.83	2.84	2.84	2.83	2.84	2.84	2.83	2.81	2.85
Hcb	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.89	2.93
gamma-BHC (Lindane)	3.13	3.13	3.14	3.13	3.14	3.14	3.13	3.11	3.15
beta-BHC	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.35	3.39
delta-BHC	3.58	3.59	3.59	3.58	3.59	3.59	3.58	3.56	3.60
Heptachlor	3.64	3.64	3.64	3.64	3.64	3.64	3.64	3.62	3.66
Aldrin	3.88	3.89	3.89	3.88	3.89	3.89	3.88	3.86	3.90
Telodrin	3.97	3.97	3.97	3.97	3.97	3.97	3.97	3.95	3.99
Heptachlor epoxide	4.18	4.19	4.19	4.18	4.19	4.19	4.18	4.16	4.20
o,p-DDE	4.29	4.29	4.28	4.29	4.29	4.28	4.29	4.27	4.31
gamma-Chlordane	4.38	4.39	4.39	4.39	4.39	4.39	4.39	4.37	4.41
alpha-Chlordane	4.41	4.42	4.42	4.42	4.42	4.42	4.42	4.40	4.44
Endosulfan I	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.42	4.46
4,4'-DDE	4.50	4.50	4.50	4.50	4.51	4.50	4.50	4.48	4.52
o,p-DDD	4.56	4.56	4.56	4.56	4.56	4.56	4.56	4.54	4.58
Dieldrin	4.59	4.59	4.60	4.59	4.60	4.60	4.59	4.57	4.61
Endrin	4.72	4.73	4.73	4.73	4.73	4.73	4.73	4.72	4.74
o,p-DDT	4.74	4.737	4.736	4.738	4.74	4.733	4.74	4.73	4.75
4,4'-DDD	4.79	4.80	4.80	4.80	4.80	4.80	4.80	4.78	4.82
Endosulfan II	4.87	4.87	4.87	4.87	4.88	4.87	4.87	4.85	4.89
Endrin aldehyde	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.91	4.95
4,4'-DDT	4.96	4.96	4.96	4.96	4.96	4.96	4.96	4.94	4.98
Endosulfan sulfate	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.06	5.10
Methoxychlor	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.16	5.20
Endrin ketone	5.30	5.30	5.30	5.30	5.30	5.30	5.30	5.28	5.32
Mirex	5.57	5.57	5.57	5.57	5.57	5.56	5.57	5.55	5.59
Decachlorobiphenyl	6.11	6.11	6.11	6.11	6.12	6.11	6.11	6.08	6.14

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952BCalibration File: 35PEST1827101BGC Column (2): DB CLP2ID: 0.32 (mm)ICAL Date(s) Analyzed: 9/28/2018 9/28/2018

COMPOUND	CALIBRATION FACTORS						MEAN	%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6		
Tetrachloro-m-xylene	1.47E+05	1.27E+05	1.21E+05	1.15E+05	1.21E+05	1.11E+05	1.24E+05	10
alpha-BHC	2.08E+05	1.79E+05	1.69E+05	1.60E+05	1.72E+05	1.57E+05	1.74E+05	11
Hcb	1.67E+05	1.49E+05	1.43E+05	1.32E+05	1.28E+05	1.29E+05	1.41E+05	11
gamma-BHC (Lindane)	1.88E+05	1.60E+05	1.53E+05	1.39E+05	1.48E+05	1.38E+05	1.54E+05	12
beta-BHC	1.07E+05	9.15E+04	7.96E+04	7.27E+04	7.83E+04	6.97E+04	8.31E+04	17★
delta-BHC	2.31E+05	1.90E+05	1.85E+05	1.68E+05	1.89E+05	1.66E+05	1.88E+05	12
Heptachlor	1.99E+05	1.66E+05	1.57E+05	1.43E+05	1.53E+05	1.39E+05	1.59E+05	14
Aldrin	2.03E+05	1.78E+05	1.64E+05	1.53E+05	1.63E+05	1.54E+05	1.69E+05	11
Telodrin	1.36E+05	1.20E+05	1.22E+05	1.02E+05	1.01E+05	1.02E+05	1.14E+05	12
Heptachlor epoxide	2.03E+05	1.66E+05	1.52E+05	1.38E+05	1.47E+05	1.32E+05	1.56E+05	17★
o,p-DDE	1.21E+05	1.04E+05	1.04E+05	9.17E+04	9.03E+04	8.86E+04	9.98E+04	12
gamma-Chlordane	2.04E+05	1.67E+05	1.51E+05	1.42E+05	1.49E+05	1.36E+05	1.58E+05	16
alpha-Chlordane	2.03E+05	1.63E+05	1.54E+05	1.34E+05	1.39E+05	1.28E+05	1.53E+05	18★
Endosulfan I	1.95E+05	1.85E+05	1.50E+05	1.32E+05	1.43E+05	1.29E+05	1.52E+05	16★
4,4'-DDE	1.88E+05	1.58E+05	1.49E+05	1.37E+05	1.45E+05	1.35E+05	1.52E+05	13
o,p-DDD	1.05E+05	9.25E+04	9.10E+04	8.18E+04	8.04E+04	7.87E+04	8.83E+04	11
Dieldrin	1.94E+05	1.65E+05	1.55E+05	1.43E+05	1.46E+05	1.30E+05	1.56E+05	14★
Endrin	1.64E+05	1.39E+05	1.27E+05	1.15E+05	1.22E+05	1.12E+05	1.30E+05	15
o,p-DDT	1.17E+05	1.03E+05	9.94E+04	8.65E+04	8.85E+04	8.58E+04	9.67E+04	13
4,4'-DDD	1.56E+05	1.32E+05	1.22E+05	1.12E+05	1.17E+05	1.11E+05	1.25E+05	13
Endosulfan II	1.73E+05	1.40E+05	1.32E+05	1.19E+05	1.24E+05	1.15E+05	1.34E+05	16
Endrin aldehyde	1.42E+05	1.17E+05	1.08E+05	9.62E+04	1.03E+05	9.71E+04	1.11E+05	16
4,4'-DDT	1.50E+05	1.23E+05	1.16E+05	1.01E+05	1.09E+05	1.02E+05	1.17E+05	16
Endosulfan sulfate	1.59E+05	1.33E+05	1.26E+05	1.07E+05	1.18E+05	1.11E+05	1.26E+05	15
Methoxychlor	7.02E+04	5.76E+04	5.39E+04	4.69E+04	4.98E+04	4.58E+04	5.40E+04	17
Endrin ketone	1.81E+05	1.45E+05	1.32E+05	1.20E+05	1.25E+05	1.18E+05	1.37E+05	17★
Mirex	9.69E+04	7.97E+04	7.49E+04	6.48E+04	6.59E+04	6.29E+04	7.42E+04	17
Decachlorobiphenyl	9.17E+04	7.50E+04	6.08E+04	5.21E+04	5.72E+04	5.07E+04	6.46E+04	25★

★ Linear

DJS 15222

10/3/18

DJS 2307
10/3/18

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952BCalibration File: 35PEST1827101BGC Column (2): DB CLP2ID: 0.32 (mm)ICAL Date(s) Analyzed: 9/28/2018 9/28/2018

COMPOUND	PEAK	RT	RT WINDOW		CALIBRATION		AMOUNT (ng)	PEAK HEIGHT	%RSD
			FROM	TO	FACTOR	LEVEL			
Aroclor-1016	1	2.78	2.75	2.81	2390	1	200	478030	.00
	2	3.10	3.07	3.13	2878	1	200	575610	.00
	3	3.28	3.25	3.31	2150	1	200	429902	.00
	4	3.58	3.55	3.61	6074	1	200	1214780	.00
	5	3.60	3.57	3.63	3686	1	200	737234	.00
	6	3.69	3.66	3.72	2912	1	200	582482	.00
Aroclor-1221	1	2.64	2.62	2.66	895	1	200	178974	.00
	2	2.70	2.68	2.72	933	1	200	186696	.00
	3	2.78	2.76	2.80	2853	1	200	570566	.00
Aroclor-1248	1	3.77	3.74	3.80	3445	1	200	688942	.00
	2	3.81	3.78	3.84	3233	1	200	646608	.00
	3	3.91	3.88	3.94	4048	1	200	809575	.00
	4	4.21	4.18	4.24	4942	1	200	988302	.00
	5	4.33	4.30	4.36	3721	1	200	744268	.00
	6	4.57	4.54	4.60	2602	1	200	520331	.00
Aroclor-1254	1	4.20	4.17	4.23	4895	1	250	1223649	.00
	2	4.34	4.31	4.37	6486	1	250	1621409	.00
	3	4.57	4.54	4.60	8185	1	250	2046312	.00
	4	4.74	4.71	4.77	6319	1	250	1579762	.00
	5	4.89	4.86	4.92	4020	1	250	1005073	.00
	6	4.97	4.94	5.00	5845	1	250	1461179	.00
Aroclor-1260	1	4.67	4.64	4.70	5801	1	200	1160180	.00
	2	4.82	4.79	4.85	7282	1	200	1456372	.00
	3	4.97	4.94	5.00	7831	1	200	1566131	.00
	4	5.14	5.11	5.17	3917	1	200	783492	.00
	5	5.29	5.26	5.32	10413	1	200	2082668	.00
	6	5.44	5.41	5.47	6245	1	200	1249015	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952BCalibration File: 35PEST1827101BGC Column (2): DB CLP2ID: 0.32 (mm)ICAL Date(s) Analyzed: 9/28/2018 9/28/2018

COMPOUND	PEAK	RT	RT WINDOW		CALIBRATION FACTOR	LEVEL	AMOUNT (ng)	PEAK HEIGHT	%RSD
			FROM	TO					
Chlordane	1	3.47	3.45	3.49	4458	1	12.5	60506	7.48
	1					25	112388		
	1					50	238391		
	1					100	451121		
	1					200	814119		
	1					500	2029860		
	2	4.21	4.19	4.23	4262	1	12.5	60529	9.81
	2					25	105065		
	2					50	233132		
	2					100	418522		
	2					200	780954		
	2					500	1885914		
	3	4.39	4.37	4.41	16864	1	12.5	239202	8.17
	3					25	412448		
	3					50	882741		
	3					100	1683626		
	3					200	3110725		
	3					500	7752366		
	4	4.42	4.40	4.44	11181	1	12.5	156941	8.73
	4					25	282254		
	4					50	598126		
	4					100	1101801		
	4					200	2049513		
	4					500	5007634		
5	4.91	4.89	4.93	4564	1	12.5	65430	10.77	
5					25	114516			
5					50	247983			
5					100	456129			
5					200	822073			
5					500	1967573			

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952B

Calibration File: 35PEST1827101B

GC Column (2): DB CLP2

ID: 0.32 (mm)

ICAL Date(s) Analyzed: 9/28/2018 9/28/2018

COMPOUND	PEAK	RT	RT WINDOW		CALIBRATION FACTOR	LEVEL	AMOUNT (ng)	PEAK HEIGHT	%RSD
			FROM	TO					
Toxaphene	1	4.75	4.73	4.77	1622	1	50	100811	13.26
	1					100	168155		
	1					200	323536		
	1					500	735108		
	1					1000	1422241		
	1					2000	3050095		
	2	4.91	4.89	4.93	1875	1	50	110557	11.93
	2					100	205270		
	2					200	376462		
	2					500	874982		
	2					1000	1599477		
	2					2000	3512803		
	3	5.04	5.02	5.06	1983	1	50	117093	11.51
	3					100	215362		
	3					200	396942		
	3					500	923959		
	3					1000	1727563		
	3					2000	3688336		
4	5.25	5.23	5.27	1344	1	50	79581	12.31	
4					100	147323			
4					200	269180			
4					500	610526			
4					1000	1141463			
4					2000	2584649			
5	5.32	5.30	5.34	2113	1	50	126848	13.68	
5					100	236841			
5					200	428349			
5					500	958871			
5					1000	1815300			
5					2000	3800901			

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 Version: 17

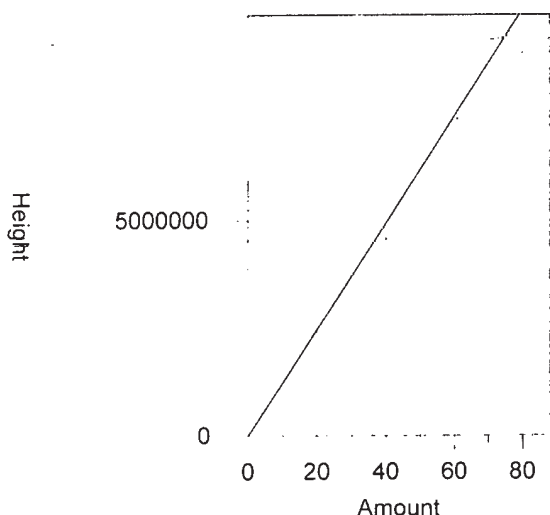
Creator:
 Description:
 Reason for change:

External standard calibration
 Standard injection volume: 1
 No sample weight correction
 Area reject threshold: 0
 Reference peak area reject threshold: 50
 Amount units: PPB
 No default component

Method of calculating data point averages: Current update equal to cal data
 No calibration update report

All levels are normal data points.

1 TCX

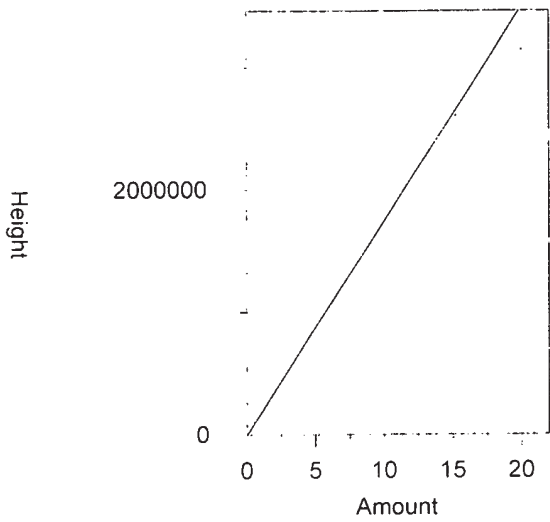


Expected retention time: 2.491 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 123764.3 X + 0$
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9815418
 Average error: 7.354%
 Average CF: 123764.3
 RSD: 10.433%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	294980	147490	19.170	Manual
2	4	509374.1	127343.5	2.892	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.005.BN.
3	20	2427258	121362.9	-1.940	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.006.BN.
4	40	4580688	114517.2	-7.472	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.007.BN.
5	61	7358304	120627.9	-2.534	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.008.BN.
6	80	8899523	111244	-10.116	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.009.BN.

2 alpha-BHC

Chrom Perfect Calibration File



Expected retention time: 2.834 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

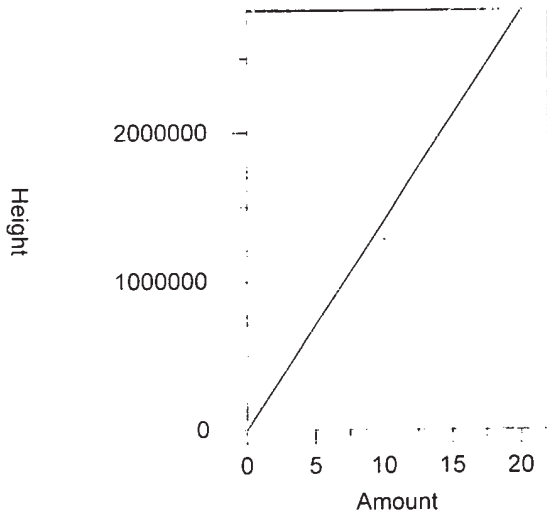
Single peak quantification by height

$Y = 174237.3 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9824425
 Average error: 7.530%
 Average CF: 174237.3
 RSD: 10.663%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	104231	208462	19.643	Manual
2	1	179372.9	179372.9	2.947	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
3	5	843202.6	168640.5	-3.212	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
4	10	1603310	160331	-7.981	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
5	15.2	2608254	171595.7	-1.516	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
6	20	3140432	157021.6	-9.881	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00

3 HCB



Expected retention time: 2.913 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

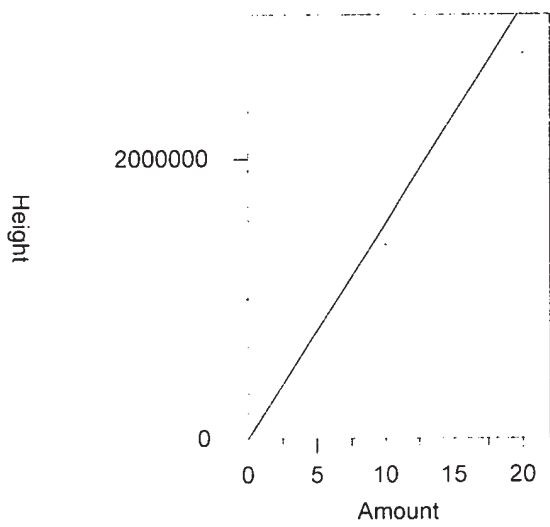
$Y = 141271.2 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9813262
 Average error: 8.235%
 Average CF: 141271.2
 RSD: 10.718%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	0.5	83605	167210	18.361	Manual	10/3/2018 6:13:55 PM
2	1	148780	148780	5.315	Manual	10/3/2018 6:15:53 PM
3	2.5	356815	142726	1.030	Manual	10/3/2018 6:17:24 PM
4	5	660405	132081	-6.505	Manual	10/3/2018 6:18:47 PM
5	10	1283048	128304.8	-9.178	Manual	10/3/2018 6:19:52 PM
6	20	2570511	128525.5	-9.022	Manual	10/3/2018 6:21:10 PM

4 gamma-BHC

Chrom Perfect Calibration File



Expected retention time: 3.132 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

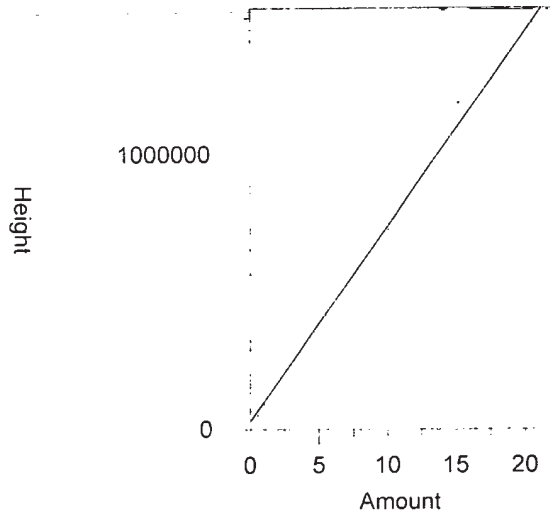
Single peak quantification by height

$Y = 154377.7 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9762655
 Average error: 8.510%
 Average CF: 154377.7
 RSD: 11.926%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	93872	187744	21.613	Manual
2	1	160423.1	160423.1	3.916	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
3	5	764635.7	152927.1	-0.940	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
4	10	1393877	139387.7	-9.710	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
5	15.2	2251118	148099.9	-4.067	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
6	20	2753687	137684.3	-10.813	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00

5 beta-BHC



Expected retention time: 3.367 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

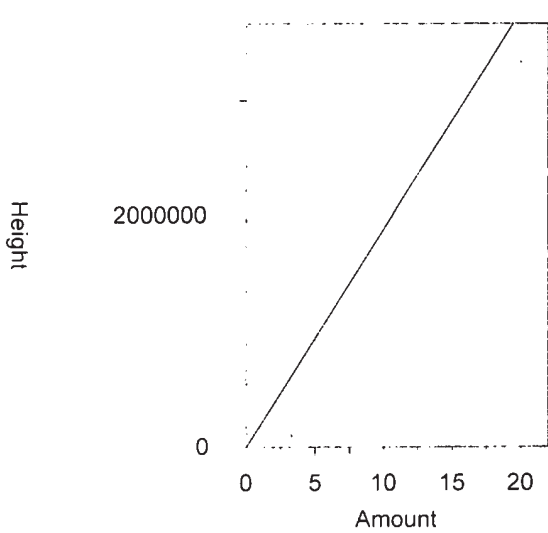
$Y = 71023.02 X + 30402.08$

Linear fit with equal weighting
 Coefficient of determination: 0.9935855
 Average error: 7.534%
 Average CF: 83053.15
 RSD: 16.515%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	53259	106518	-19.199	Manual
2	1	91468.54	91468.54	-9.817	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
3	5	398120.4	79624.08	3.269	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
4	10	726962.2	72696.22	-1.846	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
5	15.2	1189868	78280.79	7.200	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
6	20	1394625	69731.25	-3.876	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00

6 delta-BHC

Chrom Perfect Calibration File



Expected retention time: 3.583 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

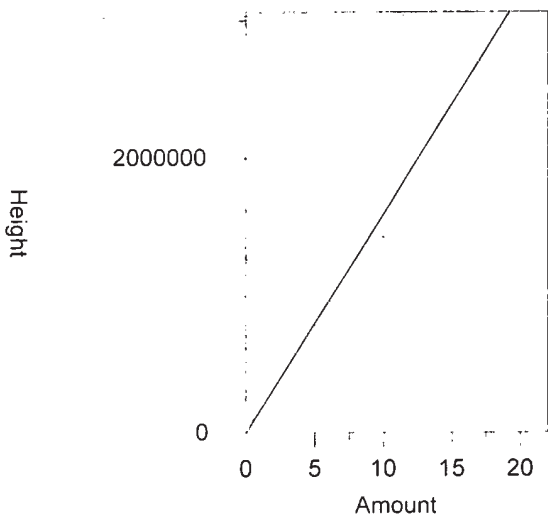
Single peak quantification by height

$Y = 188192.9 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9751554
 Average error: 8.005%
 Average CF: 188192.9
 RSD: 12.434%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	115622	231244	22.876	Manual
2	1	189991	189991	0.955	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
3	5	923185.1	184637	-1.889	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
4	10	1682482	168248.2	-10.598	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
5	15.2	2865781	188538.2	0.183	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
6	20	3329977	166498.8	-11.528	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00

7 Heptachlor



Expected retention time: 3.639 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

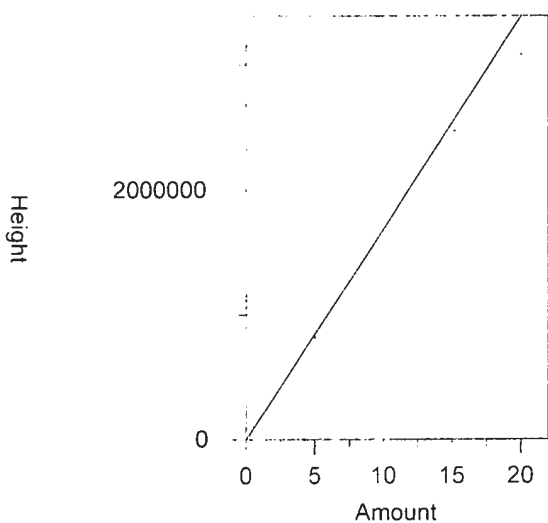
$Y = 159317 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9682258
 Average error: 9.570%
 Average CF: 159317
 RSD: 13.515%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	99300	198600	24.657	Manual
2	1	165774.1	165774.1	4.053	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
3	5	784153.3	156830.7	-1.561	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
4	10	1425702	142570.2	-10.512	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
5	15.4	2355758	152971.3	-3.983	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
6	20	2783117	139155.8	-12.655	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00

8 Aldrin

Chrom Perfect Calibration File



Expected retention time: 3.884 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

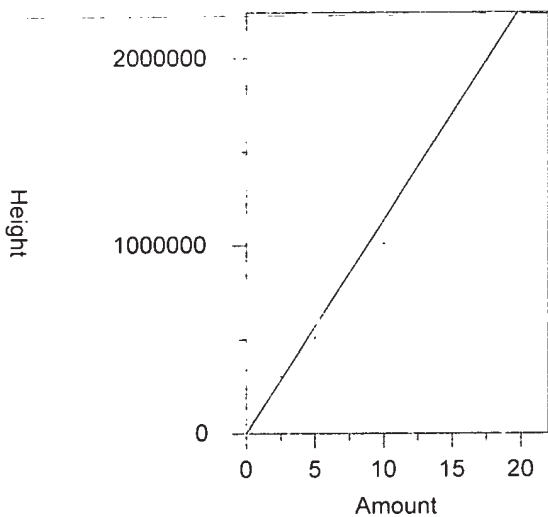
Single peak quantification by height

$Y = 169052.8 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9829779
 Average error: 8.502%
 Average CF: 169052.8
 RSD: 11.275%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	101674	203348	20.287	Manual
2	1	177874.2	177874.2	5.218	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
3	5	818362.1	163672.4	-3.183	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
4	10	1527172	152717.2	-9.663	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
5	15.2	2473010	162698	-3.759	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
6	20	3080140	154007	-8.900	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00

9 Telodrin



Expected retention time: 3.973 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

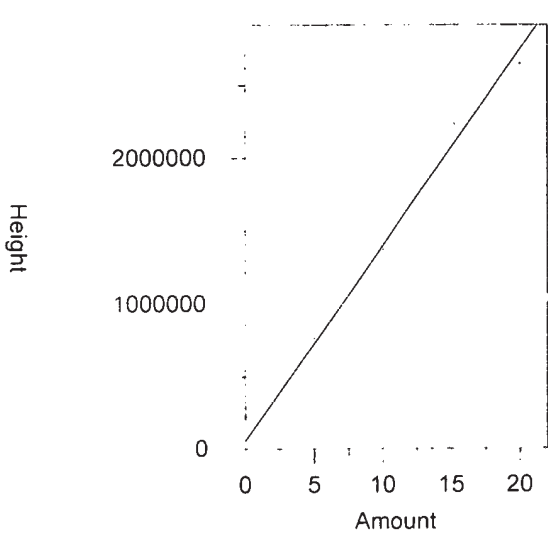
$Y = 113784.6 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9737481
 Average error: 10.521%
 Average CF: 113784.6
 RSD: 12.497%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	0.5	67839	135678	19.241	Manual	10/3/2018 6:14:03 PM
2	1	119575	119575	5.089	Manual	10/3/2018 6:16:08 PM
3	2.5	305033	122013.2	7.232	Manual	10/3/2018 6:17:31 PM
4	5	510440	102088	-10.280	Manual	10/3/2018 6:18:57 PM
5	10	1012308	101230.8	-11.033	Manual	10/3/2018 6:20:09 PM
6	20	2042455	102122.8	-10.249	Manual	10/3/2018 6:21:23 PM

10 Hept. epoxide

Chrom Perfect Calibration File



Expected retention time: 4.183 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

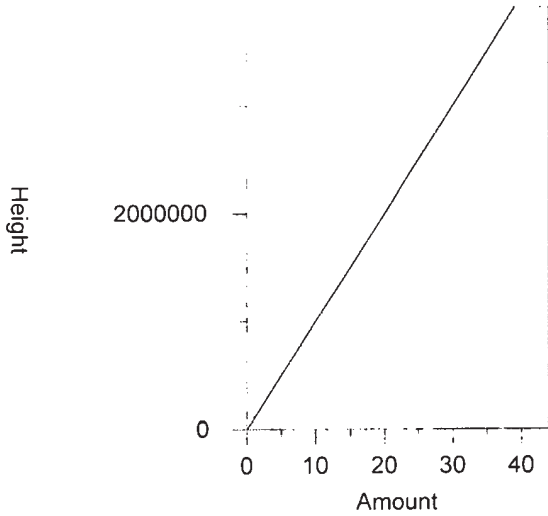
$Y = 134418.3 X + 56245.09$

Linear fit with equal weighting

Coefficient of determination: 0.9947161
 Average error: 7.809%
 Average CF: 156431.5
 RSD: 16.501%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	101672	203344	-17.644	Manual
2	1	165978.7	165978.7	-12.947	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
3	5	761858.4	152371.7	4.603	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
4	10	1375271	137527.1	-1.796	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
5	15.2	2233259	146924.9	6.376	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
6	20	2648857	132442.8	-3.489	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00

11 o,p-DDE



Expected retention time: 4.286 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

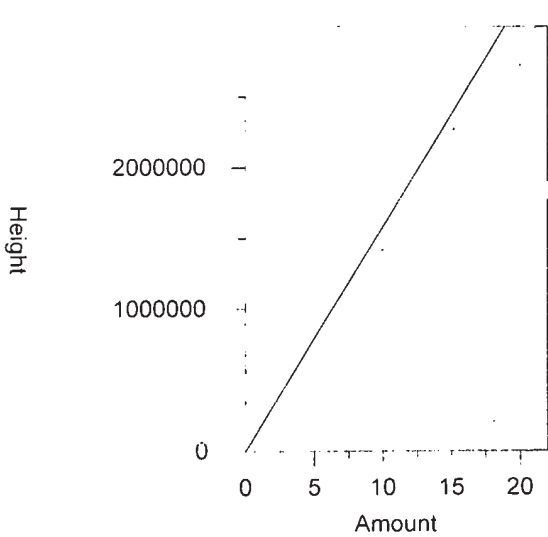
$Y = 99816.38 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9711581
 Average error: 9.665%
 Average CF: 99816.38
 RSD: 12.282%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	1	120665	120665	20.887	Manual	10/3/2018 6:14:34 PM
2	2	208200	104100	4.292	Manual	10/3/2018 6:16:20 PM
3	5	518123	103624.6	3.815	Manual	10/3/2018 6:17:45 PM
4	10	916650	91665	-8.166	Manual	10/3/2018 6:19:08 PM
5	20	1805610	90280.5	-9.553	Manual	10/3/2018 6:20:20 PM
6	40	3542526	88563.15	-11.274	Manual	10/3/2018 6:21:36 PM

12 g. Chlordane

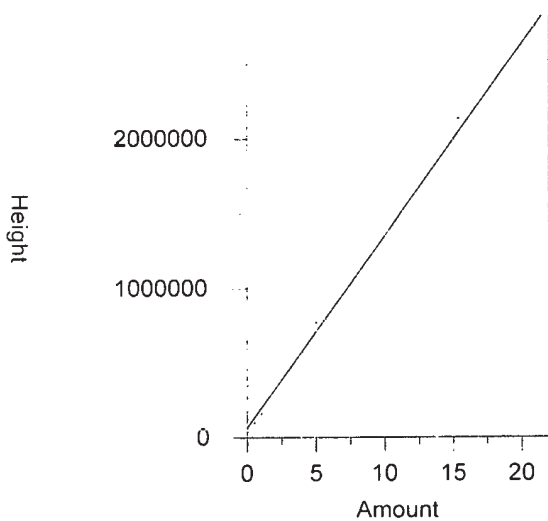
Chrom Perfect Calibration File



Expected retention time: 4.385 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 158048.8 X + 0$
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9587901
 Average error: 11.524%
 Average CF: 158048.8
 RSD: 15.743%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	102098	204196	29.198	Manual
2	1	166540.1	166540.1	5.373	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
3	5	754238.7	150847.7	-4.556	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
4	10	1416627	141662.7	-10.368	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
5	15.2	2269128	149284.7	-5.545	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
6	20	2715232	135761.6	-14.101	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00

13 a. Chlordane

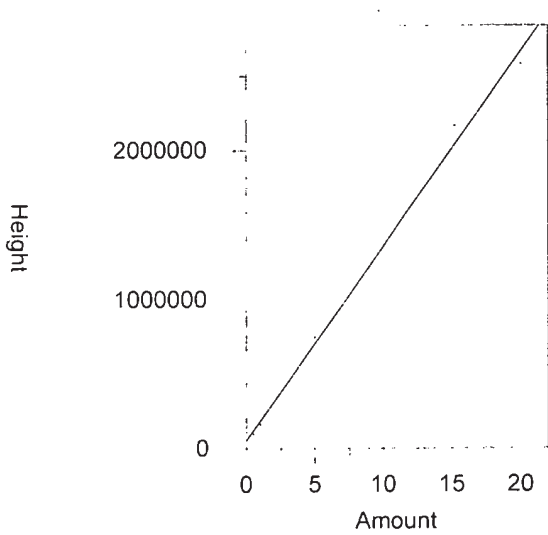


Expected retention time: 4.415 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 128426.6 X + 67697.36$
 Linear fit with equal weighting
 Coefficient of determination: 0.9962317
 Average error: 9.475%
 Average CF: 153482.1
 RSD: 17.947%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	101539	203078	-23.024	Manual
2	1	162749.2	162749.2	-17.017	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
3	5	772023	154404.6	8.762	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
4	10	1340533	134053.3	-0.845	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
5	15.4	2134118	138579.1	4.334	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
6	20	2560565	128028.3	-2.870	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00

14 Endosulfan I

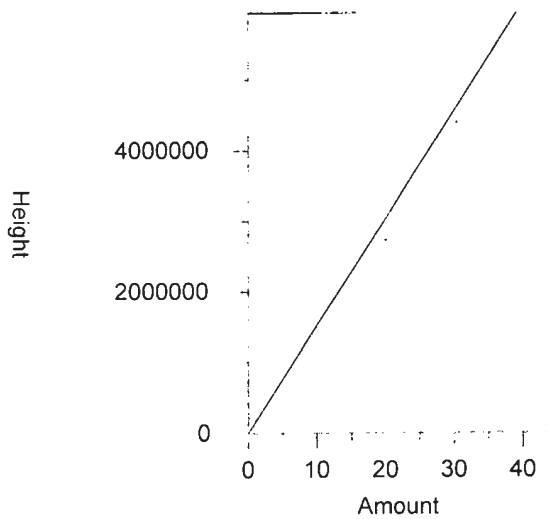
Chrom Perfect Calibration File



Expected retention time: 4.44 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 130699.8 X + 54270.35$
 Linear fit with equal weighting
 Coefficient of determination: 0.9947624
 Average error: 7.979%
 Average CF: 152221.3
 RSD: 16.170%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	97528	195056	-18.469	Manual
2	1	164641.1	164641.1	-10.990	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
3	5	749257.3	149851.5	5.862	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
4	10	1319258	131925.8	-3.086	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
5	15.2	2168997	142697.2	6.276	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
6	20	2583119	129156	-3.191	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00

15 4,4'-DDE

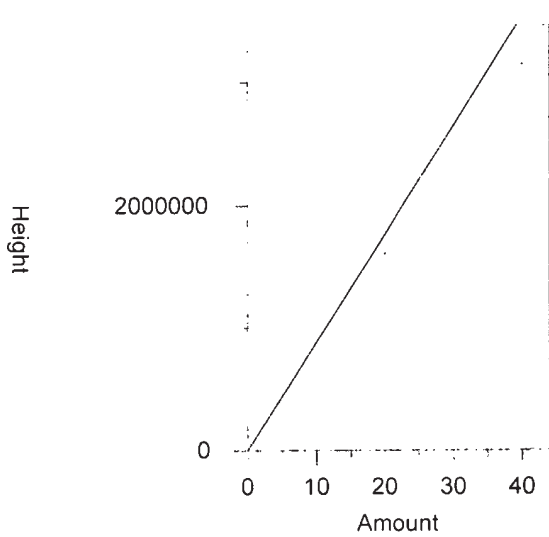


Expected retention time: 4.501 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 152137.4 X + 0$
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9741143
 Average error: 9.293%
 Average CF: 152137.4
 RSD: 12.917%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	188327	188327	23.787	Manual
2	2	316729	158364.5	4.093	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
3	10	1492653	149265.3	-1.888	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
4	20	2735364	136768.2	-10.102	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
5	30.4	4402986	144835.1	-4.800	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
6	40	5410584	135264.6	-11.091	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00

16 o,p-DDD

Chrom Perfect Calibration File



Expected retention time: 4.562 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

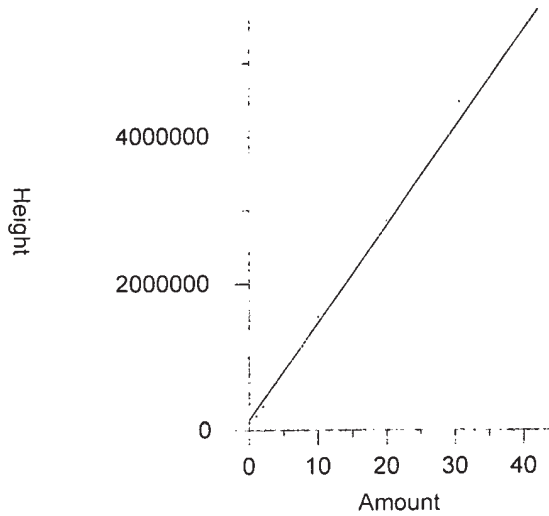
Single peak quantification by height

$Y = 88250.47 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9739454
 Average error: 9.041%
 Average CF: 88250.47
 RSD: 11.446%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	1	105261	105261	19.275	Manual	10/3/2018 6:14:49 PM
2	2	184935	92467.5	4.778	Manual	10/3/2018 6:16:29 PM
3	5	454791	90958.2	3.068	Manual	10/3/2018 6:17:55 PM
4	10	817569	81756.9	-7.358	Manual	10/3/2018 6:19:14 PM
5	20	1607577	80378.85	-8.920	Manual	10/3/2018 6:20:27 PM
6	40	3147214	78680.35	-10.844	Manual	10/3/2018 6:21:52 PM

17 Dieldrin



Expected retention time: 4.592 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

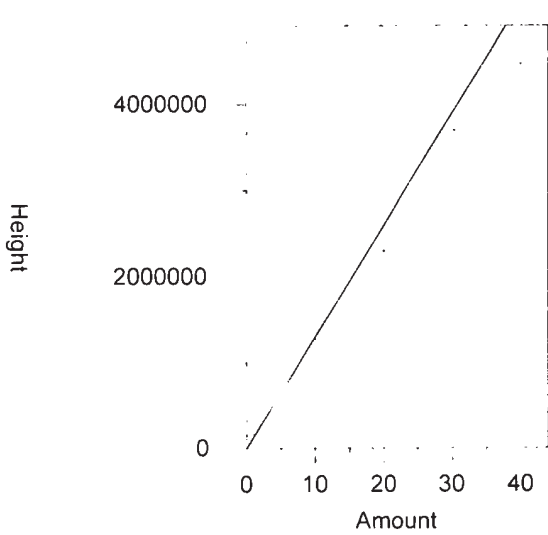
$Y = 132924.6 X + 141263.9$

Linear fit with equal weighting
 Coefficient of determination: 0.9931028
 Average error: 11.079%
 Average CF: 155623.5
 RSD: 14.330%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	194465	194465	-29.076	Manual
2	2	329572.3	164786.2	-19.046	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
3	10	1551493	155149.3	5.507	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
4	20	2855841	142792	2.003	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
5	30.6	4475200	146248.4	6.331	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
6	40	5212001	130300	-4.511	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00

18 Endrin

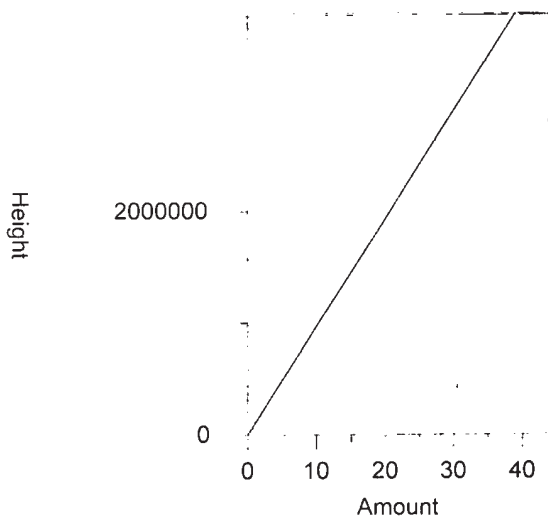
Chrom Perfect Calibration File



Expected retention time: 4.726 minutes
 Search window: 0.01 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 129770.2 X + 0$
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9576015
 Average error: 11.187%
 Average CF: 129770.2
 RSD: 15.047%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	164488	164488	26.753	Manual
2	2	277210.4	138605.2	6.808	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
3	10	1274177	127417.7	-1.813	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
4	20	2295323	114766.1	-11.562	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
5	30.4	3697593	121631.4	-6.272	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
6	40	4468520	111713	-13.915	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00

19 o,p-DDT

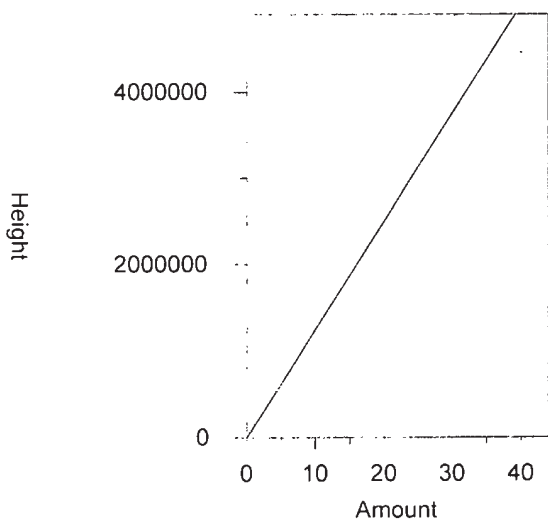


Expected retention time: 4.738 minutes
 Search window: 0.01 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 96705.48 X + 0$
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9715675
 Average error: 10.088%
 Average CF: 96705.48
 RSD: 12.606%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	1	116804	116804	20.783	Manual	10/3/2018 6:15:02 PM
2	2	206435	103217.5	6.734	Manual	10/3/2018 6:16:46 PM
3	5	496815	99363	2.748	Manual	10/3/2018 6:18:15 PM
4	10	865293	86529.3	-10.523	Manual	10/3/2018 6:19:22 PM
5	20	1770933	88546.65	-8.437	Manual	10/3/2018 6:20:34 PM
6	40	3430897	85772.42	-11.306	Manual	10/3/2018 6:22:05 PM

20 4,4'-DDD

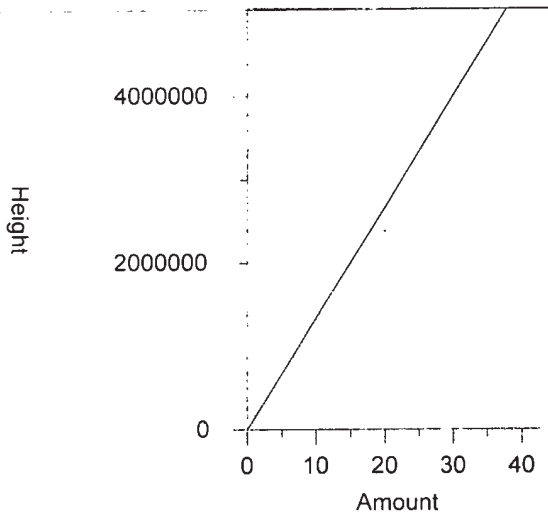
Chrom Perfect Calibration File



Expected retention time: 4.795 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 124961.7 X + 0$
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9726805
 Average error: 10.071%
 Average CF: 124961.7
 RSD: 13.499%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	155733	155733	24.625	Manual
2	2	263892.3	131946.2	5.589	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
3	10	1216319	121631.9	-2.665	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
4	20	2239192	111959.6	-10.405	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
5	30.4	3563206	117210.7	-6.203	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
6	40	4451561	111289	-10.942	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00

21 Endosulfan II

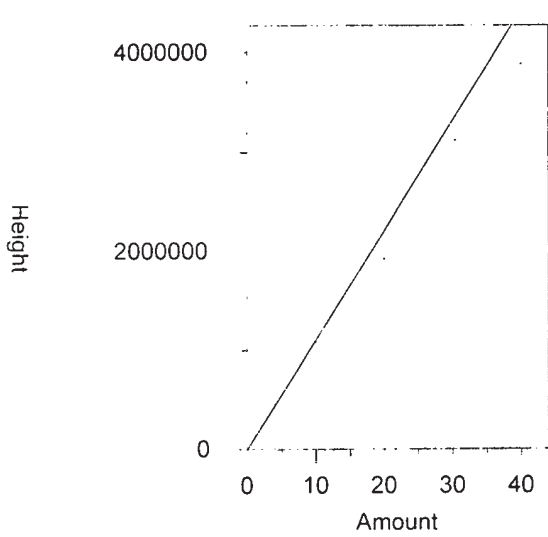


Expected retention time: 4.87 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 133762.7 X + 0$
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9554813
 Average error: 11.193%
 Average CF: 133762.7
 RSD: 15.773%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	172787	172787	29.174	Manual
2	2	279312.2	139656.1	4.406	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
3	10	1322788	132278.8	-1.109	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
4	20	2385848	119292.4	-10.818	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
5	30.6	3781756	123586.8	-7.607	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
6	40	4599000	114975	-14.046	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00

22 Endrin aldehyde

Chrom Perfect Calibration File



Expected retention time: 4.929 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

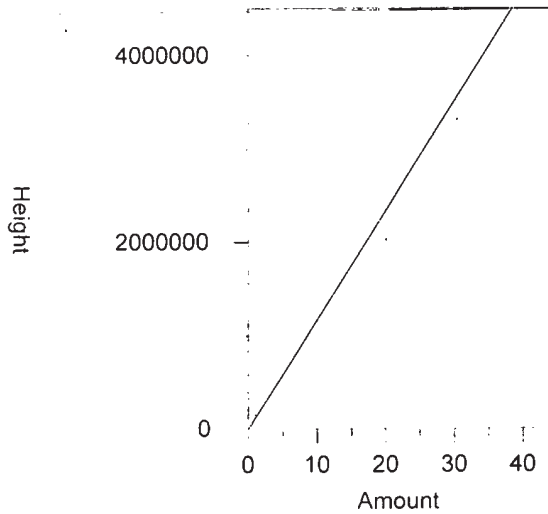
Single peak quantification by height

$Y = 110515.5 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9636943
 Average error: 11.419%
 Average CF: 110515.5
 RSD: 15.543%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	141834	141834	28.339	Manual
2	2	234113.3	117056.6	5.919	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
3	10	1082332	108233.2	-2.065	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
4	20	1923844	96192.2	-12.960	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
5	30.4	3121046	102666	-7.103	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
6	40	3884432	97110.8	-12.129	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00

23 4,4'-DDT



Expected retention time: 4.959 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

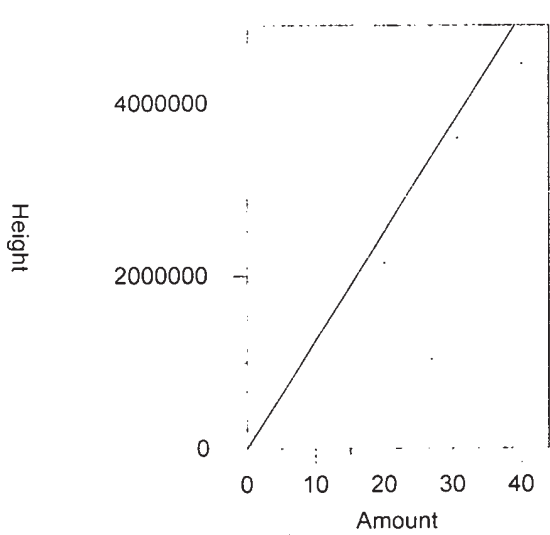
$Y = 117053 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9618382
 Average error: 11.126%
 Average CF: 117053
 RSD: 15.554%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	150218	150218	28.333	Manual
2	2	245916.1	122958	5.045	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
3	10	1162367	116236.7	-0.697	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
4	20	2029451	101472.5	-13.311	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
5	30.4	3315145	109050.8	-6.836	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
6	40	4095282	102382	-12.534	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00

24 Endo. sulfate

Chrom Perfect Calibration File



Expected retention time: 5.078 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

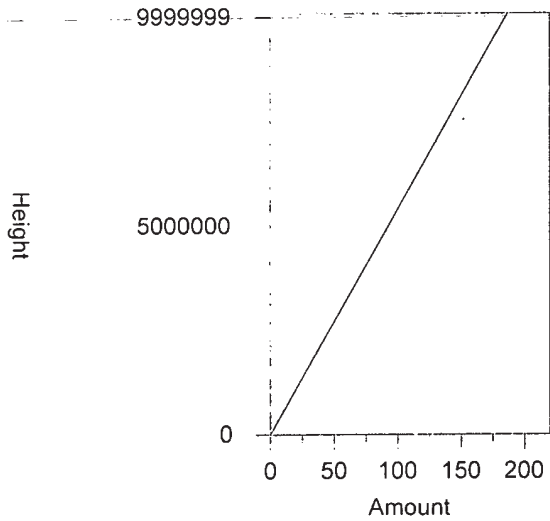
Single peak quantification by height

$Y = 125682.6 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9667423
 Average error: 10.736%
 Average CF: 125682.6
 RSD: 14.845%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	158671	158671	26.247	Manual
2	2	265950.5	132975.3	5.802	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
3	10	1258813	125881.3	0.158	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
4	20	2149020	107451	-14.506	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
5	30.6	3599998	117647	-6.394	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
6	40	4458807	111470.2	-11.308	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00

25 Methoxychlor



Expected retention time: 5.18 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 1
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

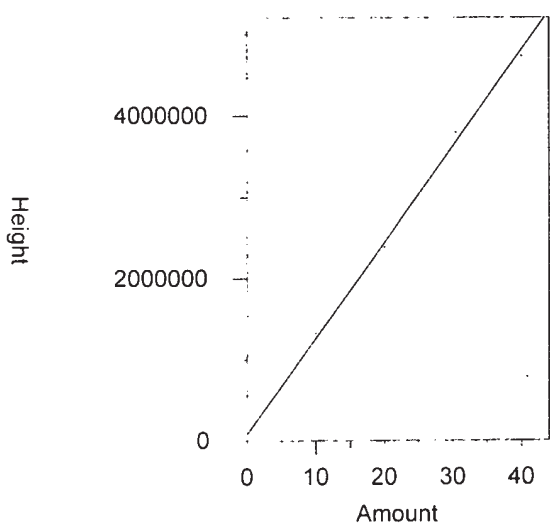
$Y = 54031.39 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9453729
 Average error: 12.184%
 Average CF: 54031.39
 RSD: 16.786%

Level	Amount	Response	Cal Factor	Error, %	Source
1	5	351071	70214.2	29.951	Manual
2	10	575987.4	57598.74	6.602	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
3	50	2694079	53881.58	-0.277	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
4	100	4685962	46859.62	-13.273	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
5	152	7571823	49814.63	-7.804	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
6	200	9163922	45819.61	-15.198	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00

26 Endrin ketone

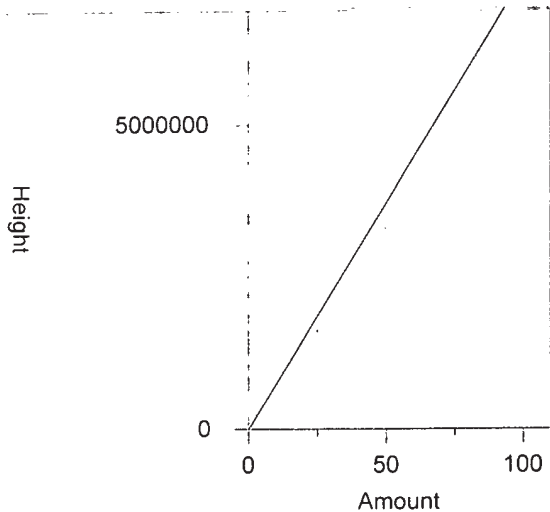
Chrom Perfect Calibration File



Expected retention time: 5.298 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 118109.1 X + 82413.82$
 Linear fit with equal weighting
 Coefficient of determination: 0.9984028
 Average error: 5.033%
 Average CF: 136854.6
 RSD: 17.453%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	181239	181239	-9.617	Manual
2	2	290297.3	145148.7	-8.893	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
3	10	1321817	132181.7	4.615	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
4	20	2390913	119545.6	-2.196	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
5	30.4	3793046	124771.3	3.270	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
6	40	4729653	118241.3	-1.605	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00

27 Mirex

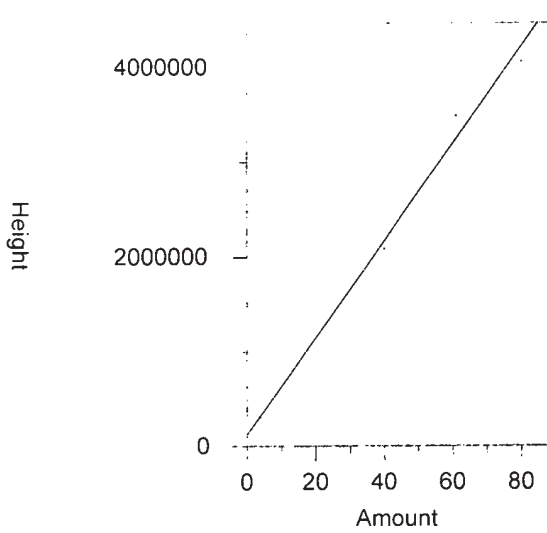


Expected retention time: 5.569 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 1
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 74199.41 X + 0$
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9444428
 Average error: 12.985%
 Average CF: 74199.41
 RSD: 17.343%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	2.5	242190	96876	30.562	Manual	10/3/2018 6:15:10 PM
2	5	398510	79702	7.416	Manual	10/3/2018 6:16:55 PM
3	12.5	936550	74924	0.977	Manual	10/3/2018 6:18:23 PM
4	25	1621206	64848.24	-12.603	Manual	10/3/2018 6:19:38 PM
5	50	3294961	65899.22	-11.186	Manual	10/3/2018 6:20:46 PM
6	100	6294704	62947.04	-15.165	Manual	10/3/2018 6:22:47 PM

28 DCB

Chrom Perfect Calibration File



Expected retention time: 6.111 minutes
 Search window: 0.03 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

$$Y = 51170.38 X + 123026.9$$

Linear fit with equal weighting

Coefficient of determination: 0.992441
 Average error: 8.056%
 Average CF: 64574.34
 RSD: 24.561%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	183330	91665	-18.653	Manual
2	4	299896.8	74974.2	-8.487	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
3	20	1215016	60750.8	5.982	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
4	40	2085454	52136.35	-3.889	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
5	61	3489328	57202.1	7.549	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00
6	80	4057405	50717.56	-3.777	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.00

Multiple Component Initial Calibration Report: **35PEST1827109**

Area Files Used For Calibration

Sequence _____ Injections _____

Component: **Aroclor-1016**

AR16

Calibration Levels: 1
 Min # of Peaks Required: 4
 Slope:
 Max %RSD: 40
 Y-Intercept:
 Concentration (ng/ml): 200.000000
 Report Base:
 E-Flag Basis: Aroclor-1016

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>SUM</u>
Retention Time:	2.198	2.478	2.675	2.859	2.941	3.060	
RT Window (Mins):	0.03000	0.03000	0.03000	0.03000	0.03000	0.03000	
Height:	524898	787791	462953	1409575	818935	585464	4589616
RF (Height/Conc):	2624	3939	2315	7048	4095	2927	
%RSD For RF	0.000	0.000	0.000	0.000	0.000	0.000	
Slope							
Y-Intercept							

Component: **Aroclor-1221**

2154

Calibration Levels: 1
 Min # of Peaks Required: 3
 Slope:
 Max %RSD: 5
 Y-Intercept:
 Concentration (ng/ml): 200.000000
 Report Base:
 E-Flag Basis: Aroclor-1221

	<u>1</u>	<u>2</u>	<u>3</u>	<u>SUM</u>
Retention Time:	2.060	2.140	2.198	
RT Window (Mins):	0.02000	0.02000	0.02000	
Height:	318417	218750	673637	1210804
RF (Height/Conc):	1592	1094	3368	
%RSD For RF	0.000	0.000	0.000	
Slope				
Y-Intercept				

Component: **Aroclor-1248**

AR48

Calibration Levels: 1
 Min # of Peaks Required: 4
 Slope:
 Max %RSD: 30
 Y-Intercept:
 Concentration (ng/ml): 200.000000
 Report Base:
 E-Flag Basis: Aroclor-1248

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>SUM</u>
Retention Time:	3.108	3.328	3.359	3.603	3.634	4.034	
RT Window (Mins):	0.03000	0.03000	0.03000	0.03000	0.03000	0.03000	
Height:	748386	995865	339191	1114373	1217059	687059	5101933
RF (Height/Conc):	3742	4979	1696	5572	6085	3435	
%RSD For RF	0.000	0.000	0.000	0.000	0.000	0.000	
Slope							
Y-Intercept							

Multiple Component Initial Calibration Report: **35PEST1827109**

Component: **Aroclor-1254**

2154

Calibration Levels: 1
 Min # of Peaks Required: 4
 Slope:
 Max %RSD: 40
 Y-Intercept:

Concentration (ng/ml): 250.000000
 Report Base:
 E-Flag Basis: Aroclor-1254

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>SUM</u>
Retention Time:	3.631	3.731	3.969	4.167	4.376	4.448	
RT Window (Mins):	0.03000	0.03000	0.03000	0.03000	0.03000	0.03000	
Height:	1527518	1829674	1473741	1880506	1249644	1973099	9934182
RF (Height/Conc):	6110	7319	5895	7522	4999	7892	
%RSD For RF	0.000	0.000	0.000	0.000	0.000	0.000	
Slope							
Y-Intercept							

Component: **Aroclor-1260**

AR16

Calibration Levels: 1
 Min # of Peaks Required: 4
 Slope:
 Max %RSD: 40
 Y-Intercept:

Concentration (ng/ml): 200.000000
 Report Base:
 E-Flag Basis: Aroclor-1260

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>SUM</u>
Retention Time:	4.130	4.236	4.449	4.632	4.751	4.944	
RT Window (Mins):	0.03000	0.03000	0.03000	0.03000	0.03000	0.03000	
Height:	1659144	1979143	1949397	1397372	3129605	2365649	12480310
RF (Height/Conc):	8296	9896	9747	6987	15648	11028	
%RSD For RF	0.000	0.000	0.000	0.000	0.000	0.000	
Slope							
Y-Intercept							

Component: **Chlordane**

CHLD

Calibration Levels: 6
 Min # of Peaks Required: 4
 Slope:
 Max %RSD: 40
 Y-Intercept:

Avg Concentration (ng/ml): 50.000000
 Report Base:
 E-Flag Basis: Chlordane

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>SUM</u>
Retention Time:	2.658	3.585	3.738	3.808	4.422	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:	694377	601786	2416687	1940490	915163	6568503
RF (Height/Conc):	4965	4368	17479	14196	6665	
%RSD For RF	6.995	7.660	7.401	8.888	8.523	
Slope						
Y-Intercept						
Level 1	Height 66867	59385	240785	199911	92672	659620
	Conc 12.500	12.500	12.500	12.500	12.500	
Level 2	Height 120458	108692	439913	355798	167945	1192806
	Conc 25.000	25.000	25.000	25.000	25.000	
Level 3	Height 267631	234056	925472	751969	353822	2532950
	Conc 50.000	50.000	50.000	50.000	50.000	
Level 4	Height 506988	445274	1732421	1432658	677068	4794409
	Conc 100.000	100.000	100.000	100.000	100.000	
Level 5	Height 930044	815533	3285915	2593016	1204233	8828741
	Conc 200.000	200.000	200.000	200.000	200.000	
Level 6	Height 2274276	1947777	7875614	6309587	2995235	21402489
	Conc 500.000	500.000	500.000	500.000	500.000	

Multiple Component Initial Calibration Report: **35PEST1827109**

Component: **Toxaphene**

TOXA

Calibration Levels: 6

Avg Concentration (ng/ml): 200.000000

Min # of Peaks Required: 4

Max %RSD: 40

Report Base:

Slope:

Y-Intercept:

E-Flag Basis: Toxaphene

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>SUM</u>
Retention Time:	4.371	4.423	4.587	4.801	4.871	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:	1555780	1435489	1393959	1047915	1842110	7275252
RF (Height/Conc):	2560	2369	2308	1683	3035	
%RSD For RF	7.453	9.091	6.466	9.680	10.926	
Slope						
Y-Intercept						
Level 1	Height 140971	134479	123513	99368	180526	678857
	Conc 50.000	50.000	50.000	50.000	50.000	
Level 2	Height 247895	220914	236499	156946	320216	1182470
	Conc 100.000	100.000	100.000	100.000	100.000	
Level 3	Height 554827	516565	489827	346478	600301	2507998
	Conc 200.000	200.000	200.000	200.000	200.000	
Level 4	Height 1250104	1152469	1142486	791094	1364224	5700377
	Conc 500.000	500.000	500.000	500.000	500.000	
Level 5	Height 2430808	2269311	2183419	1563397	2748122	11195057
	Conc 1000.000	1000.000	1000.000	1000.000	1000.000	
Level 6	Height 4710072	4319196	4188010	3330208	5839269	22386755
	Conc 2000.000	2000.000	2000.000	2000.000	2000.000	

Multiple Component Initial Calibration Report: **35PEST1827109B**

Area Files Used For Calibration

Sequence _____ Injections _____

Component: **Aroclor-1016**

AR16

Calibration Levels: 1
 Min # of Peaks Required: 4
 Slope: _____
 Max %RSD: 40
 Y-Intercept: _____
 Concentration (ng/ml): 200.000000
 Report Base:
 E-Flag Basis: Aroclor-1016

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>SUM</u>
Retention Time:	2.760	3.081	3.256	3.553	3.579	3.667	
RT Window (Mins):	0.03000	0.03000	0.03000	0.03000	0.03000	0.03000	
Height:	478030	575610	429902	1214780	737234	582482	4018038
RF (Height/Conc):	2390	2878	2150	6074	3686	2912	
%RSD For RF	0.000	0.000	0.000	0.000	0.000	0.000	
Slope							
Y-Intercept							

Component: **Aroclor-1221**

2154

Calibration Levels: 1
 Min # of Peaks Required: 3
 Slope: _____
 Max %RSD: 5
 Y-Intercept: _____
 Concentration (ng/ml): 200.000000
 Report Base:
 E-Flag Basis: Aroclor-1221

	<u>1</u>	<u>2</u>	<u>3</u>	<u>SUM</u>
Retention Time:	2.619	2.682	2.760	
RT Window (Mins):	0.02000	0.02000	0.02000	
Height:	178974	186696	570566	936236
RF (Height/Conc):	895	933	2853	
%RSD For RF	0.000	0.000	0.000	
Slope				
Y-Intercept				

Component: **Aroclor-1248**

AR48

Calibration Levels: 1
 Min # of Peaks Required: 4
 Slope: _____
 Max %RSD: 30
 Y-Intercept: _____
 Concentration (ng/ml): 200.000000
 Report Base:
 E-Flag Basis: Aroclor-1248

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>SUM</u>
Retention Time:	3.746	3.783	3.890	4.189	4.308	4.542	
RT Window (Mins):	0.03000	0.03000	0.03000	0.03000	0.03000	0.03000	
Height:	688942	646608	809575	988302	744268	520331	4398026
RF (Height/Conc):	3445	3233	4048	4942	3721	2602	
%RSD For RF	0.000	0.000	0.000	0.000	0.000	0.000	
Slope							
Y-Intercept							

Multiple Component Initial Calibration Report: **35PEST1827109B**

Component: **Aroclor-1254**

2154

Calibration Levels: 1
 Min # of Peaks Required: 4
 Slope:
 Max %RSD: 40
 Y-Intercept:

Concentration (ng/ml): 250.000000
 Report Base:
 E-Flag Basis: Aroclor-1254

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>SUM</u>
Retention Time:	4.170	4.313	4.543	4.715	4.863	4.943	
RT Window (Mins):	0.03000	0.03000	0.03000	0.03000	0.03000	0.03000	
Height:	1223649	1621409	2046312	1579762	1005073	1461179	8937384
RF (Height/Conc):	4895	6486	8185	6319	4020	5845	
%RSD For RF	0.000	0.000	0.000	0.000	0.000	0.000	
Slope							
Y-Intercept							

Component: **Aroclor-1260**

AR16

Calibration Levels: 1
 Min # of Peaks Required: 4
 Slope:
 Max %RSD: 40
 Y-Intercept:

Concentration (ng/ml): 200.000000
 Report Base:
 E-Flag Basis: Aroclor-1260

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>SUM</u>
Retention Time:	4.642	4.788	4.944	5.108	5.260	5.407	
RT Window (Mins):	0.03000	0.03000	0.03000	0.03000	0.03000	0.03000	
Height:	1160180	1456372	1566131	783492	2082668	1249015	8297858
RF (Height/Conc):	5801	7282	7831	3917	10413	6245	
%RSD For RF	0.000	0.000	0.000	0.000	0.000	0.000	
Slope							
Y-Intercept							

Component: **Chlordane**

CHLD

Calibration Levels: 6
 Min # of Peaks Required: 4
 Slope:
 Max %RSD: 40
 Y-Intercept:

Avg Concentration (ng/ml): 50.000000
 Report Base:
 E-Flag Basis: Chlordane

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>SUM</u>	
Retention Time:	3.439	4.186	4.365	4.395	4.892		
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000		
Average Height:	617731	580686	2346851	1532712	612284	5690263	
RF (Height/Conc):	4458	4262	16864	11181	4564		
%RSD For RF	7.476	9.814	8.168	8.734	10.768		
Slope							
Y-Intercept							
Level 1	Height Conc	60506 12.500	60529 12.500	239202 12.500	156941 12.500	65430 12.500	582608
Level 2	Height Conc	112388 25.000	105065 25.000	412446 25.000	282254 25.000	114516 25.000	1026669
Level 3	Height Conc	238391 50.000	233132 50.000	882741 50.000	598126 50.000	247983 50.000	2200373
Level 4	Height Conc	451121 100.000	418522 100.000	1683626 100.000	1101801 100.000	456129 100.000	4111199
Level 5	Height Conc	814119 200.000	780954 200.000	3110725 200.000	2049513 200.000	822073 200.000	7577384
Level 6	Height Conc	2029860 500.000	1885914 500.000	7752366 500.000	5007634 500.000	1967573 500.000	18643347

Multiple Component Initial Calibration Report: **35PEST1827109B**

Component: **Toxaphene**

TOXA

Calibration Levels: 6

Avg Concentration (ng/ml): 200.000000

Min # of Peaks Required: 4

Max %RSD: 40

Report Base:

Slope:

Y-Intercept:

E-Flag Basis: Toxaphene

		<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>SUM</u>
Retention Time:		4.721	4.883	5.012	5.226	5.291	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		966658	1113259	1178209	805454	1227852	5291431
RF (Height/Conc):		1622	1875	1983	1344	2113	
%RSD For RF		13.259	11.929	11.512	12.306	13.676	
Slope							
Y-Intercept							
Level 1	Height	100811	110557	117093	79581	126848	534890
	Conc	50.000	50.000	50.000	50.000	50.000	
Level 2	Height	168155	205270	215362	147323	236841	972951
	Conc	100.000	100.000	100.000	100.000	100.000	
Level 3	Height	323536	376462	396942	269180	428349	1794469
	Conc	200.000	200.000	200.000	200.000	200.000	
Level 4	Height	735108	874982	923959	610526	958871	4103446
	Conc	500.000	500.000	500.000	500.000	500.000	
Level 5	Height	1422241	1599477	1727563	1141463	1815300	7706044
	Conc	1000.000	1000.000	1000.000	1000.000	1000.000	
Level 6	Height	3050095	3512803	3688336	2584649	3800901	16636784
	Conc	2000.000	2000.000	2000.000	2000.000	2000.000	

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952ACalibration File: 35PEST1827109GC Column (1): DB CLP1ID: 0.32 (mm)ICAL Date(s) Analyzed: 11/12/2018 11/12/2018

COMPOUND	RT OF STANDARDS						MIDPOINT RT	RT WINDOW	
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6		FROM	TO
Tetrachloro-m-xylene	1.80	1.80	1.80	1.81	1.81	1.81	1.81	1.79	1.83
Hcb							2.15	2.13	2.17
alpha-BHC	2.21	2.21	2.21	2.22	2.22	2.22	2.22	2.20	2.24
gamma-BHC (Lindane)	2.50	2.51	2.51	2.51	2.51	2.51	2.51	2.49	2.53
beta-BHC	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.69	2.73
Heptachlor	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.79	2.83
delta-BHC	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.94	2.98
Aldrin	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.07	3.11
Telodrin							3.21	3.19	3.23
Heptachlor epoxide	3.55	3.56	3.56	3.56	3.56	3.56	3.56	3.54	3.58
gamma-Chlordane	3.73	3.73	3.73	3.74	3.74	3.74	3.74	3.72	3.76
o,p-DDE							3.76	3.74	3.78
alpha-Chlordane	3.80	3.80	3.80	3.81	3.81	3.81	3.81	3.79	3.83
Endosulfan I	3.84	3.84	3.84	3.84	3.84	3.84	3.84	3.82	3.86
4,4'-DDE	3.95	3.95	3.95	3.96	3.96	3.96	3.96	3.94	3.98
Dieldrin	4.03	4.04	4.04	4.04	4.04	4.04	4.04	4.02	4.06
o,p-DDD							4.10	4.08	4.12
Endrin	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.22	4.26
o,p-DDT							4.27	4.25	4.29
4,4'-DDD	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.30	4.34
Endosulfan II	4.40	4.40	4.40	4.41	4.40	4.41	4.41	4.38	4.42
4,4'-DDT	4.48	4.48	4.48	4.49	4.49	4.49	4.49	4.47	4.51
Endrin aldehyde	4.53	4.54	4.54	4.54	4.54	4.54	4.54	4.52	4.56
Endosulfan sulfate	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.63	4.67
Methoxychlor	4.85	4.86	4.86	4.86	4.86	4.86	4.86	4.84	4.88
Endrin ketone	4.97	4.97	4.97	4.97	4.97	4.97	4.97	4.95	4.99
Mirex							5.08	5.06	5.10
Decachlorobiphenyl	5.51	5.51	5.51	5.52	5.52	5.52	5.52	5.49	5.55

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952ACalibration File: 35PEST1827109GC Column (1): DB CLP1ID: 0.32 (mm)ICAL Date(s) Analyzed: 11/12/2018 11/12/2018

COMPOUND	CALIBRATION FACTORS						MEAN	%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6		
Tetrachloro-m-xylene	1.71E+05	1.44E+05	1.44E+05	1.41E+05	1.35E+05	1.40E+05	1.46E+05	9
Hcb								10
alpha-BHC	2.48E+05	2.13E+05	2.13E+05	2.17E+05	2.19E+05	2.17E+05	2.21E+05	6
gamma-BHC (Lindane)	2.13E+05	1.82E+05	1.82E+05	1.80E+05	1.83E+05	1.85E+05	1.87E+05	7
beta-BHC	1.03E+05	8.67E+04	8.32E+04	8.13E+04	7.90E+04	7.99E+04	8.56E+04	11
Heptachlor	1.69E+05	1.46E+05	1.42E+05	1.47E+05	1.41E+05	1.49E+05	1.49E+05	7
delta-BHC	2.00E+05	1.73E+05	1.72E+05	1.75E+05	1.74E+05	1.73E+05	1.78E+05	6
Aldrin	1.93E+05	1.62E+05	1.65E+05	1.68E+05	1.64E+05	1.65E+05	1.69E+05	7
Telodrin	1.03E+03	1.05E+03	1.71E+03	2.06E+03	1.24E+03	4.29E+02	1.25E+03	45
Heptachlor epoxide	1.96E+05	1.62E+05	1.63E+05	1.62E+05	1.57E+05	1.63E+05	1.67E+05	8
gamma-Chlordane	2.15E+05	1.78E+05	1.84E+05	1.77E+05	1.80E+05	1.80E+05	1.85E+05	8
o,p-DDE								10
alpha-Chlordane	2.16E+05	1.87E+05	1.83E+05	1.79E+05	1.77E+05	1.78E+05	1.87E+05	8
Endosulfan I	2.02E+05	1.69E+05	1.72E+05	1.67E+05	1.67E+05	1.69E+05	1.74E+05	8
4,4'-DDE	2.23E+05	1.81E+05	1.85E+05	1.83E+05	1.81E+05	1.82E+05	1.89E+05	9
Dieldrin	2.19E+05	1.84E+05	1.89E+05	1.87E+05	1.83E+05	1.86E+05	1.91E+05	7
o,p-DDD								11
Endrin	2.03E+05	1.64E+05	1.67E+05	1.64E+05	1.61E+05	1.64E+05	1.70E+05	9
o,p-DDT								11
4,4'-DDD	2.23E+05	1.68E+05	1.81E+05	1.68E+05	1.62E+05	1.70E+05	1.79E+05	13
Endosulfan II	2.12E+05	1.69E+05	1.73E+05	1.69E+05	1.61E+05	1.69E+05	1.76E+05	10
4,4'-DDT	1.29E+05	1.07E+05	1.13E+05	1.23E+05	1.18E+05	1.28E+05	1.20E+05	7
Endrin aldehyde	1.76E+05	1.46E+05	1.46E+05	1.42E+05	1.42E+05	1.42E+05	1.49E+05	9
Endosulfan sulfate	1.94E+05	1.53E+05	1.54E+05	1.48E+05	1.45E+05	1.57E+05	1.59E+05	11
Methoxychlor	7.17E+04	5.63E+04	5.96E+04	6.14E+04	5.95E+04	6.69E+04	6.25E+04	9
Endrin ketone	2.32E+05	1.82E+05	1.89E+05	1.89E+05	1.83E+05	1.86E+05	1.94E+05	10
Mirex								10
Decachlorobiphenyl	1.98E+05	1.63E+05	1.66E+05	1.63E+05	1.68E+05	1.69E+05	1.71E+05	8

File Name: V:\CP35\35pest1827109.CAL
 Version: 10

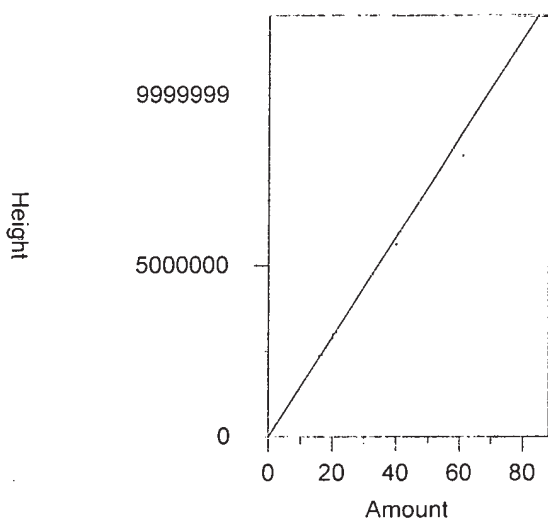
Creator:
 Description:
 Reason for change:

External standard calibration
 Standard injection volume: 1
 No sample weight correction
 Area reject threshold: 0
 Reference peak area reject threshold: 50
 Amount units: PPB
 No default component

Method of calculating data point averages: Current update equal to cal data
 No calibration update report

All levels are normal data points.

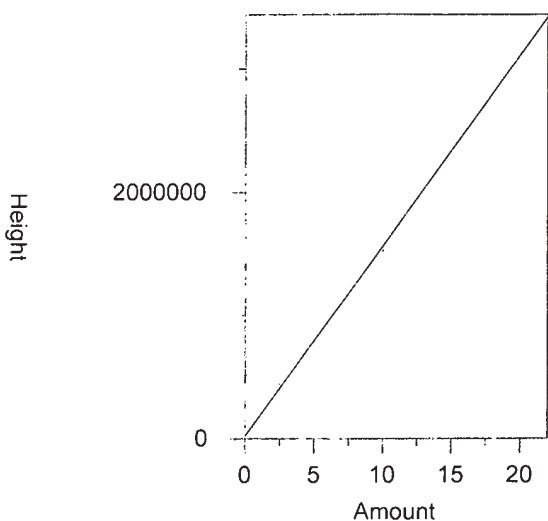
1 TCX



Expected retention time: 1.805 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 145752.1 X + 0$
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9927776
 Average error: 5.722%
 Average CF: 145752.1
 RSD: 8.717%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	341539.9	170770	17.165	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.011.1
2	4	577022.6	144255.7	-1.027	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.012.1
3	20	2874839	143742	-1.379	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.013.1
4	40	5628913	140722.8	-3.451	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.014.1
5	61	8228142	134887.6	-7.454	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.015.1
6	80	1.121079E+07	140134.9	-3.854	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.016.1

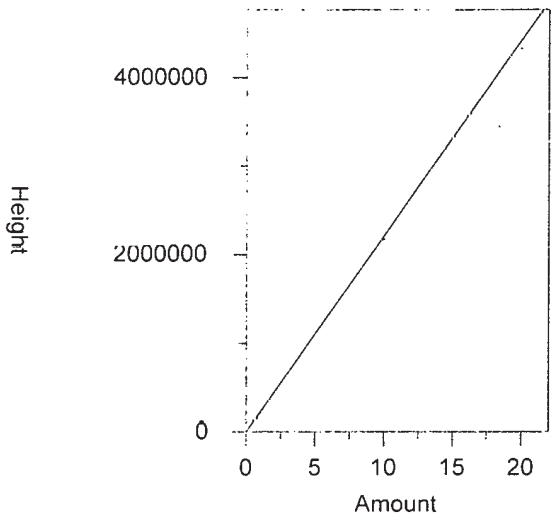
2 HCB



Expected retention time: 2.157 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 154159.5 X + 23472.05$
 Linear fit with equal weighting
 Coefficient of determination: 0.9995998
 Average error: 2.231%
 Average CF: 169409.3
 RSD: 10.137%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	0.5	98665	197330	-1.876	Manual	11/13/2018 11:14:43 AM
2	1	177144	177144	-0.274	Manual	11/13/2018 11:14:51 AM
3	2.5	439090	175636	7.391	Manual	11/13/2018 11:14:59 AM
4	5	787050	157410	-0.909	Manual	11/13/2018 11:15:05 AM
5	10	1527617	152761.7	-2.393	Manual	11/13/2018 11:15:12 AM
6	20	3123485	156174.3	0.542	Manual	11/13/2018 11:15:49 AM

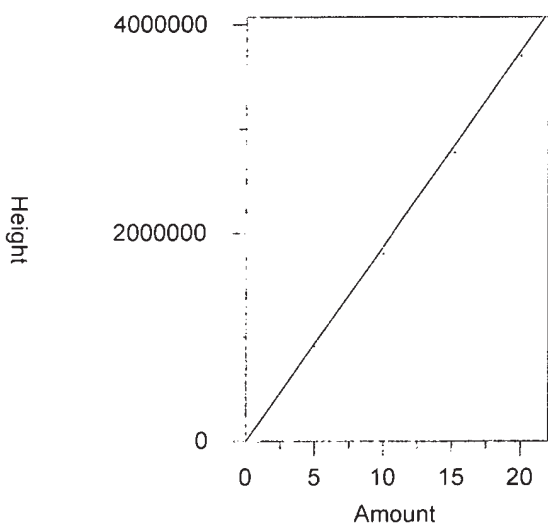
3 alpha-BHC



Expected retention time: 2.216 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 221141.5 X + 0$
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9991637
 Average error: 4.013%
 Average CF: 221141.5
 RSD: 5.993%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	123882	247764	12.039	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.011
2	1	213152.4	213152.4	-3.613	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.012
3	5	1064955	212991	-3.686	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.013
4	10	2173153	217315.3	-1.730	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.014
5	15.2	3327249	218898	-1.015	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.015
6	20	4334567	216728.3	-1.996	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.016

4 gamma-BHC



Expected retention time: 2.506 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

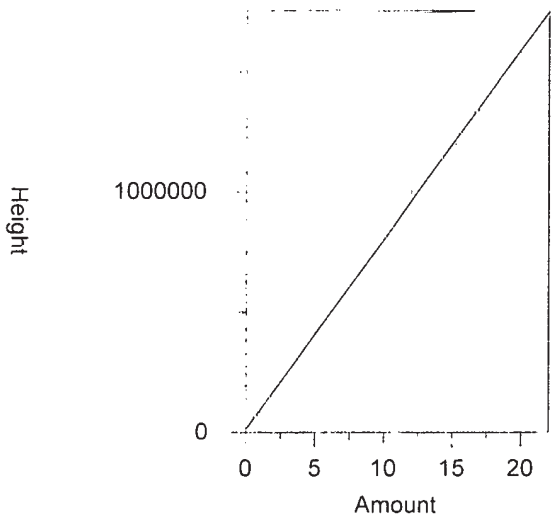
Single peak quantification by height

$$Y = 187426.8 X + 0$$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.998702
 Average error: 4.542%
 Average CF: 187426.8
 RSD: 6.725%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	106484.2	212968.4	13.627	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.011
2	1	181736.6	181736.6	-3.036	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.012
3	5	909565.3	181913.1	-2.942	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.013
4	10	1803298	180329.8	-3.787	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.014
5	15.2	2776305	182651.6	-2.548	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.015
6	20	3699231	184961.5	-1.315	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.016

5 beta-BHC



Expected retention time: 2.709 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

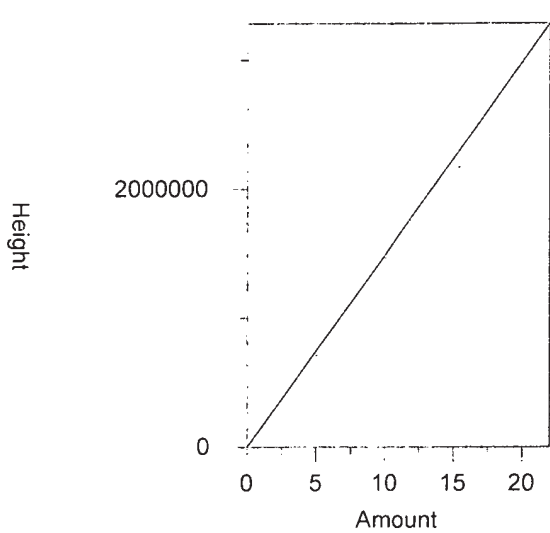
$$Y = 78974.41 X + 13756.42$$

Linear fit with equal weighting
 Coefficient of determination: 0.9998016
 Average error: 2.322%
 Average CF: 85560.12
 RSD: 10.628%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	51627.28	103254.6	-3.036	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.011
2	1	86703.11	86703.11	-6.500	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.012
3	5	416133.8	83226.77	1.837	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.013
4	10	813294.4	81329.44	1.219	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.014
5	15.2	1200736	78995.79	-1.106	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.015
6	20	1597021	79851.05	0.237	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.016

6 Heptachlor

Chrom Perfect Calibration File



Expected retention time: 2.81 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

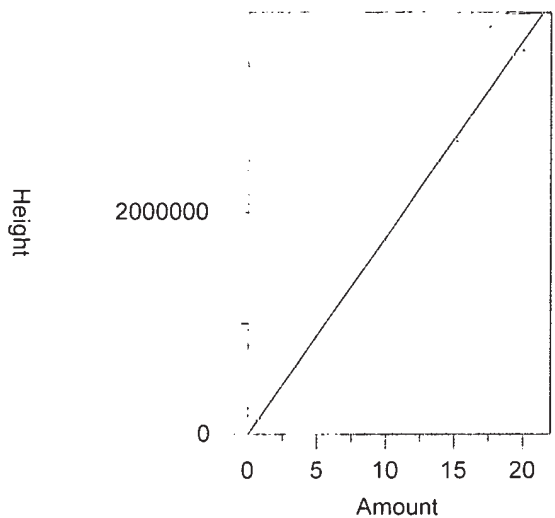
Single peak quantification by height

$Y = 149075.6 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9973592
 Average error: 4.505%
 Average CF: 149075.6
 RSD: 6.913%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	84611.92	169223.8	13.515	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.011
2	1	146327.4	146327.4	-1.844	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.012
3	5	712328	142465.6	-4.434	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.013
4	10	1465296	146529.6	-1.708	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.014
5	15.4	2169349	140866.8	-5.506	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.015
6	20	2980811	149040.5	-0.024	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.016

7 delta-BHC



Expected retention time: 2.963 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

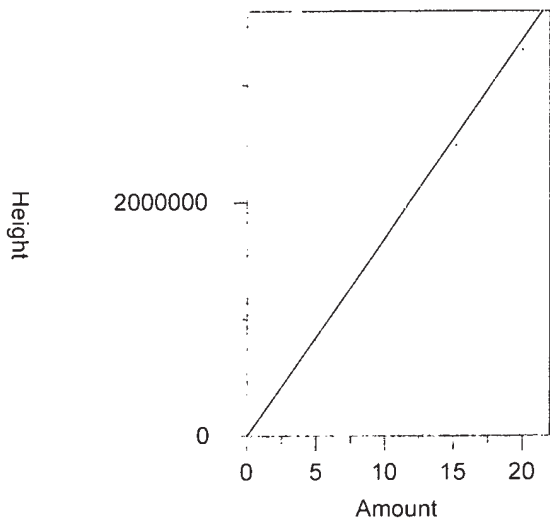
$Y = 177865.7 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9985861
 Average error: 4.142%
 Average CF: 177865.7
 RSD: 6.108%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	99984.93	199969.9	12.427	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.011
2	1	173078.8	173078.8	-2.691	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.012
3	5	860240.8	172048.2	-3.271	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.013
4	10	1746180	174618	-1.826	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.014
5	15.2	2645375	174037.8	-2.152	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.015
6	20	3468825	173441.3	-2.487	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.016

8 Aldrin

Chrom Perfect Calibration File



Expected retention time: 3.092 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

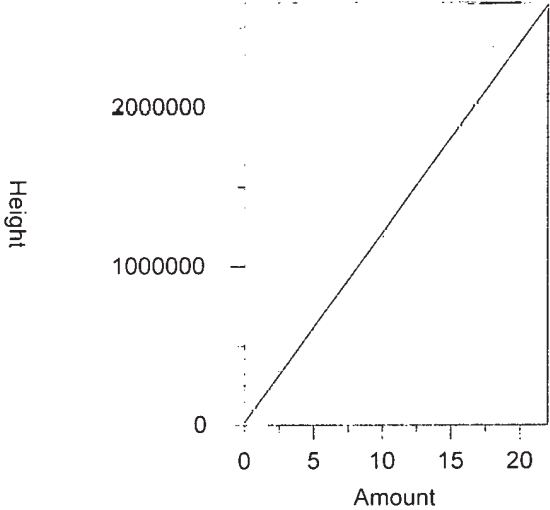
Single peak quantification by height

$Y = 169204.7 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9981341
 Average error: 4.597%
 Average CF: 169204.7
 RSD: 6.871%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	96269.63	192539.3	13.791	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.011
2	1	161538.2	161538.2	-4.531	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.012
3	5	823437.7	164687.5	-2.670	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.013
4	10	1680402	168040.2	-0.688	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.014
5	15.2	2485606	163526.7	-3.356	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.015
6	20	3297924	164896.2	-2.546	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.016

9 Telodrin



Expected retention time: 3.204 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

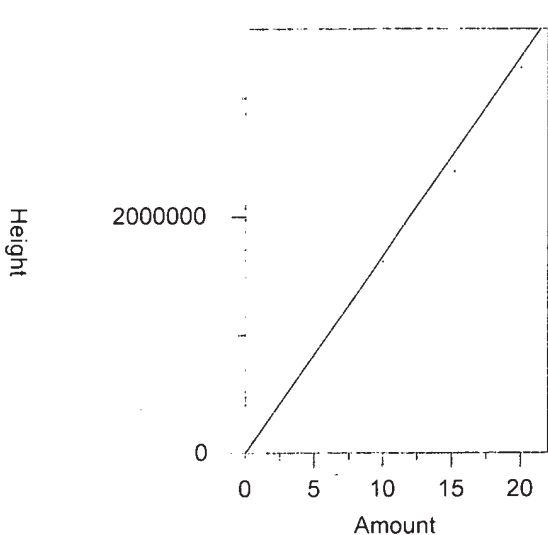
$Y = 119483.6 X + 17310.54$

Linear fit with equal weighting
 Coefficient of determination: 0.9996032
 Average error: 2.748%
 Average CF: 131483.8
 RSD: 11.317%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	0.5	78635	157270	2.054	Manual	11/13/2018 11:15:58 AM
2	1	134937	134937	-1.358	Manual	11/13/2018 11:16:04 AM
3	2.5	342135	136854	8.264	Manual	11/13/2018 11:16:17 AM
4	5	599890	119978	-2.414	Manual	11/13/2018 11:16:24 AM
5	10	1189145	118914.5	-1.898	Manual	11/13/2018 11:16:30 AM
6	20	2418982	120949.1	0.499	Manual	11/13/2018 11:17:10 AM

10 Hept. epoxide

Chrom Perfect Calibration File



Expected retention time: 3.559 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

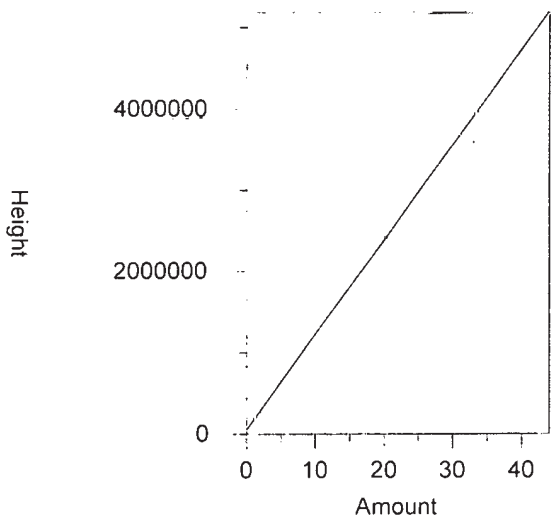
Single peak quantification by height

$Y = 167119.6 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9955883
 Average error: 5.686%
 Average CF: 167119.6
 RSD: 8.482%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	97812.99	195626	17.057	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.011
2	1	161752.3	161752.3	-3.212	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.012
3	5	817202.8	163440.6	-2.201	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.013
4	10	1624142	162414.2	-2.816	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.014
5	15.2	2381541	156680.3	-6.247	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.015
6	20	3256090	162804.5	-2.582	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.016

11 o,p-DDE



Expected retention time: 3.746 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

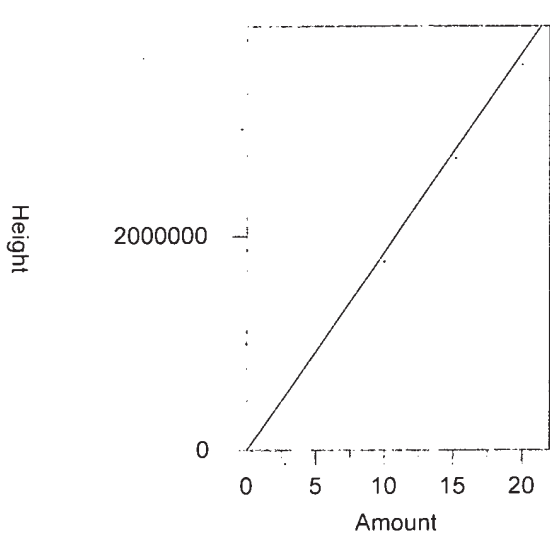
$Y = 116842.4 X + 55639.15$

Linear fit with equal weighting
 Coefficient of determination: 0.9998453
 Average error: 3.503%
 Average CF: 130649.2
 RSD: 10.372%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	1	154488	154488	-10.432	Manual	11/13/2018 11:17:16 AM
2	2	272370	136185	-5.860	Manual	11/13/2018 11:17:24 AM
3	5	657877	131575.4	2.817	Manual	11/13/2018 11:17:30 AM
4	10	1225824	122582.4	0.144	Manual	11/13/2018 11:17:45 AM
5	20	2425600	121280	1.384	Manual	11/13/2018 11:17:51 AM
6	40	4711382	117784.5	-0.380	Manual	11/13/2018 11:18:19 AM

12 g. Chlordane

Chrom Perfect Calibration File



Expected retention time: 3.75 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

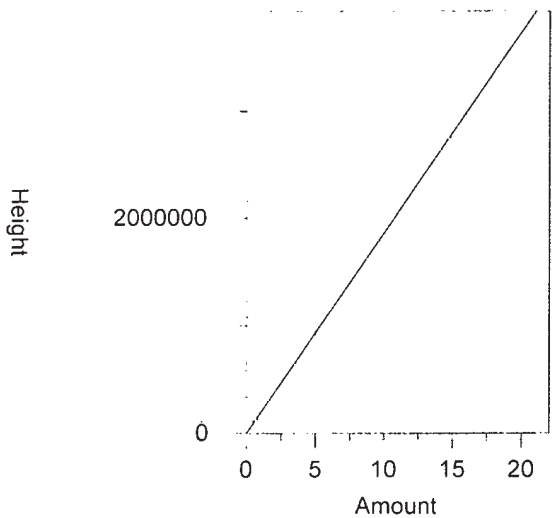
Single peak quantification by height

$Y = 185454.7 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9972978
 Average error: 5.229%
 Average CF: 185454.7
 RSD: 7.789%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	107274	214548	15.688	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.011
2	1	177765.8	177765.8	-4.146	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.012
3	5	918750.1	183750	-0.919	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.013
4	10	1770106	177010.6	-4.553	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.014
5	15.2	2729817	179593.2	-3.161	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.015
6	20	3601205	180060.3	-2.909	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.016

13 a. Chlordane



Expected retention time: 3.805 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

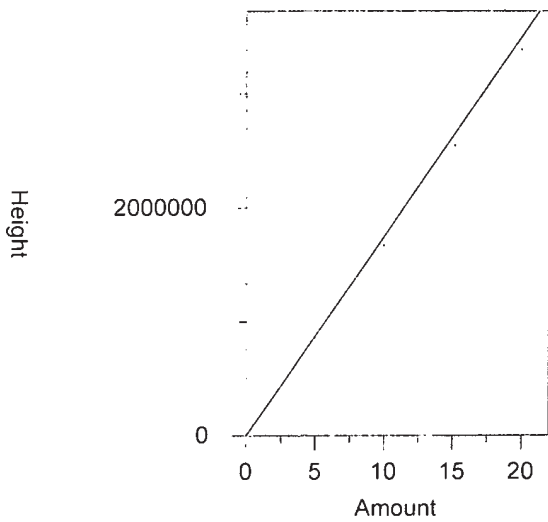
Single peak quantification by height

$Y = 186800.6 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.994337
 Average error: 5.287%
 Average CF: 186800.6
 RSD: 7.934%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	108075.2	216150.4	15.712	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.011
2	1	187078	187078	0.148	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.012
3	5	914479.1	182895.8	-2.090	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.013
4	10	1788200	178820	-4.272	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.014
5	15.4	2732870	177459.1	-5.001	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.015
6	20	3568006	178400.3	-4.497	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.016

14 Endosulfan I



Expected retention time: 3.842 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

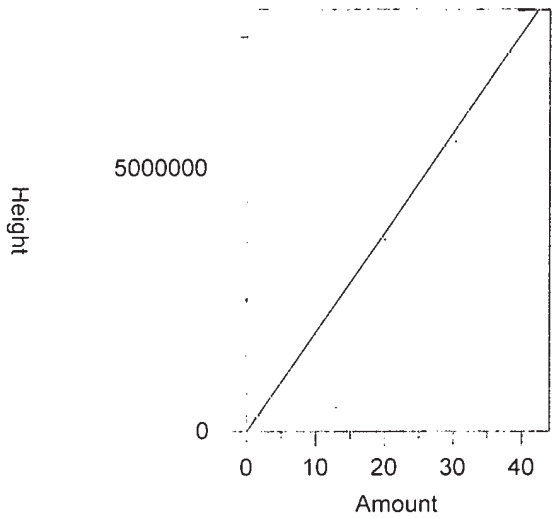
Single peak quantification by height

$Y = 174437 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9967202
 Average error: 5.211%
 Average CF: 174437
 RSD: 7.729%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	100852.3	201704.6	15.632	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.011
2	1	169426.4	169426.4	-2.872	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.012
3	5	860292.9	172058.6	-1.363	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.013
4	10	1669714	166971.4	-4.280	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.014
5	15.2	2542878	167294.6	-4.095	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.015
6	20	3383331	169166.5	-3.021	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.016

15 4,4'-DDE



Expected retention time: 3.956 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

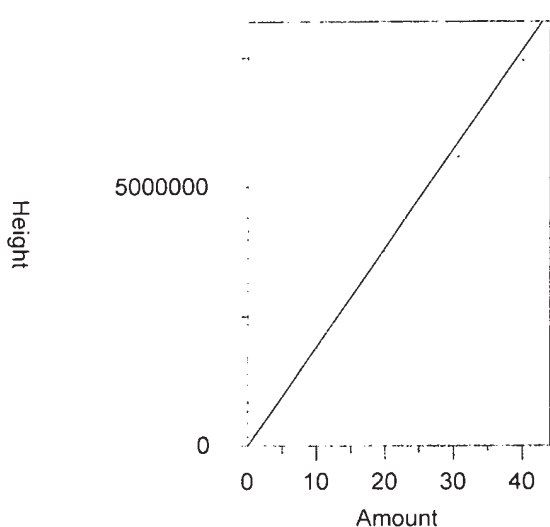
$Y = 189239.1 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9963325
 Average error: 5.957%
 Average CF: 189239.1
 RSD: 8.791%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	223057.1	223057.1	17.871	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.011
2	2	361291.9	180646	-4.541	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.012
3	10	1851152	185115.2	-2.179	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.013
4	20	3654805	182740.3	-3.434	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.014
5	30.4	5517177	181486.1	-4.097	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.015
6	40	7295597	182389.9	-3.619	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.016

16 Dieldrin

Chrom Perfect Calibration File



Expected retention time: 4.038 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

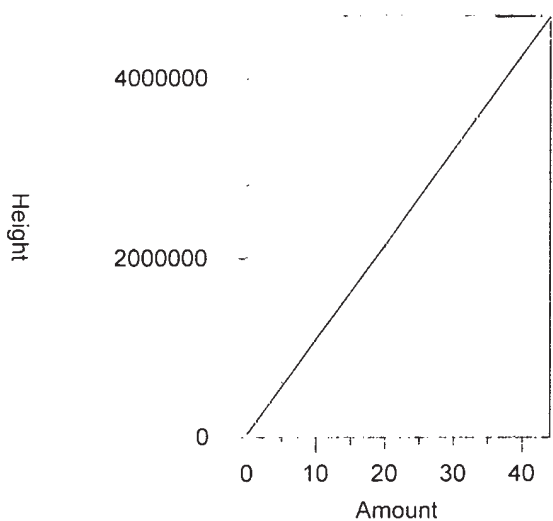
Single peak quantification by height

$Y = 191451.8 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9970452
 Average error: 4.776%
 Average CF: 191451.8
 RSD: 7.130%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	218885.3	218885.3	14.329	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.011
2	2	368464.3	184232.2	-3.771	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.012
3	10	1893939	189393.9	-1.075	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.013
4	20	3748834	187441.7	-2.095	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.014
5	30.6	5586457	182564	-4.642	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.015
6	40	7447741	186193.5	-2.747	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.016

17 o,p-DDD



Expected retention time: 4.092 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

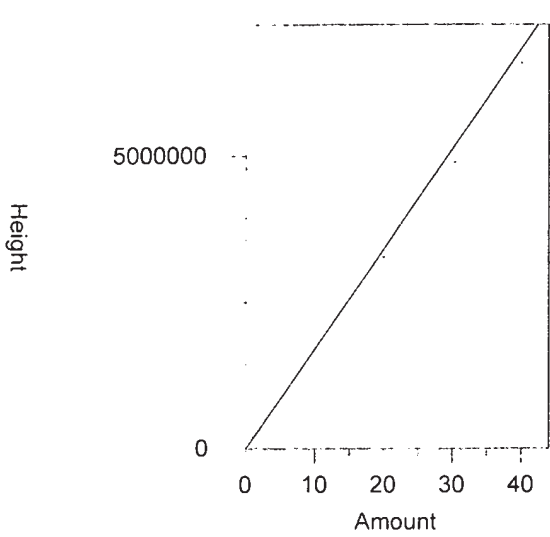
$Y = 105647.9 X + 40414.12$

Linear fit with equal weighting
 Coefficient of determination: 0.9997693
 Average error: 2.861%
 Average CF: 117707.5
 RSD: 11.208%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	1	139439	139439	-4.534	Manual	11/13/2018 11:18:25 AM
2	2	246945	123472.5	-1.893	Manual	11/13/2018 11:18:32 AM
3	5	611530	122306	7.540	Manual	11/13/2018 11:18:36 AM
4	10	1073560	107356	-2.127	Manual	11/13/2018 11:18:43 AM
5	20	2135307	106765.4	-0.839	Manual	11/13/2018 11:18:50 AM
6	40	4276241	106906	0.232	Manual	11/13/2018 11:19:01 AM

18 Endrin

Chrom Perfect Calibration File



Expected retention time: 4.241 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

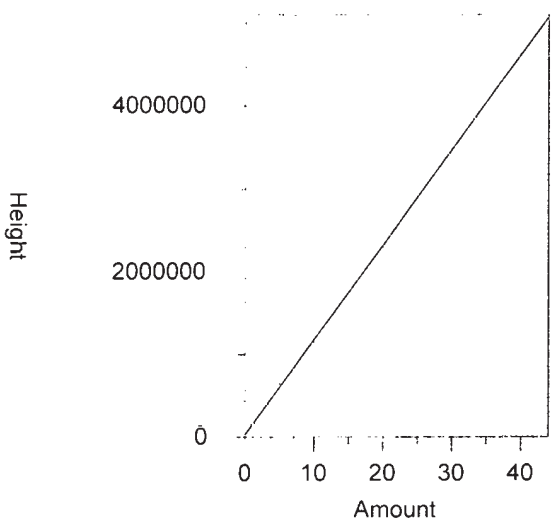
Single peak quantification by height

$Y = 170413.3 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9950693
 Average error: 6.389%
 Average CF: 170413.3
 RSD: 9.456%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	203076.6	203076.6	19.167	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.011
2	2	327125.4	163562.7	-4.020	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.012
3	10	1668100	166810	-2.114	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.013
4	20	3275778	163788.9	-3.887	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.014
5	30.4	4889813	160849.1	-5.612	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.015
6	40	6575689	164392.2	-3.533	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.016

19 o,p-DDT



Expected retention time: 4.268 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

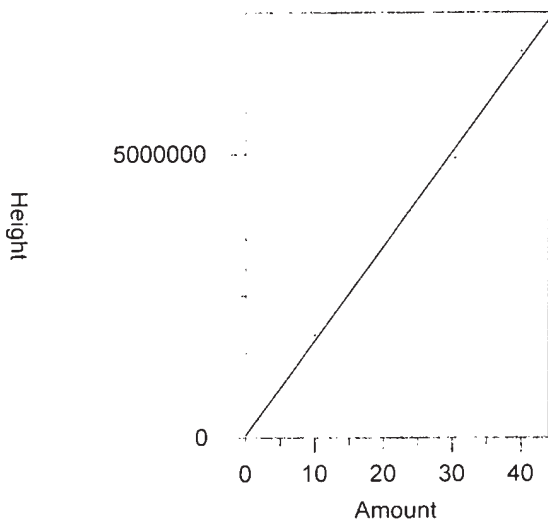
$Y = 114566.9 X + 31997.64$

Linear fit with equal weighting
 Coefficient of determination: 0.9996696
 Average error: 2.679%
 Average CF: 126148
 RSD: 11.422%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	1	150776	150776	2.873	Manual	11/13/2018 11:19:17 AM
2	2	264158	132079	1.159	Manual	11/13/2018 11:19:25 AM
3	5	647503	129500.6	7.055	Manual	11/13/2018 11:19:32 AM
4	10	1142880	114288	-2.954	Manual	11/13/2018 11:19:39 AM
5	20	2286880	114344	-1.569	Manual	11/13/2018 11:19:46 AM
6	40	4636009	115900.2	0.462	Manual	11/13/2018 11:20:21 AM

20 4,4'-DDD

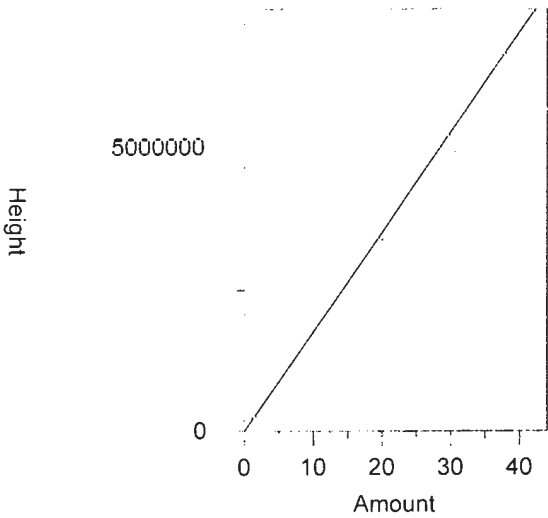
Chrom Perfect Calibration File



Expected retention time: 4.324 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 166437.8 X + 46289.46$
 Linear fit with equal weighting
 Coefficient of determination: 0.9984881
 Average error: 4.525%
 Average CF: 178842
 RSD: 12.510%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	222753.1	222753.1	4.713	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.011
2	2	336120.6	168060.3	-11.352	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.012
3	10	1811810	181181	5.912	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.013
4	20	3366218	168310.9	-0.262	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.014
5	30.4	4937969	162433.2	-3.291	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.015
6	40	6812531	170313.3	1.622	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.016

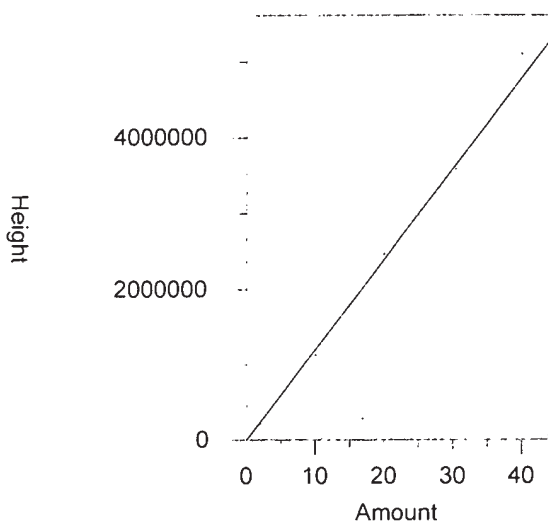
21 Endosulfan II



Expected retention time: 4.405 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 175646.2 X + 0$
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9917868
 Average error: 6.869%
 Average CF: 175646.2
 RSD: 10.331%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	211843.1	211843.1	20.608	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.011
2	2	338386.8	169193.4	-3.674	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.012
3	10	1731725	173172.5	-1.408	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.013
4	20	3389276	169463.8	-3.520	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.014
5	30.6	4937759	161364.7	-8.131	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.015
6	40	6753577	168839.4	-3.875	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.016

22 4,4'-DDT



Expected retention time: 4.486 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

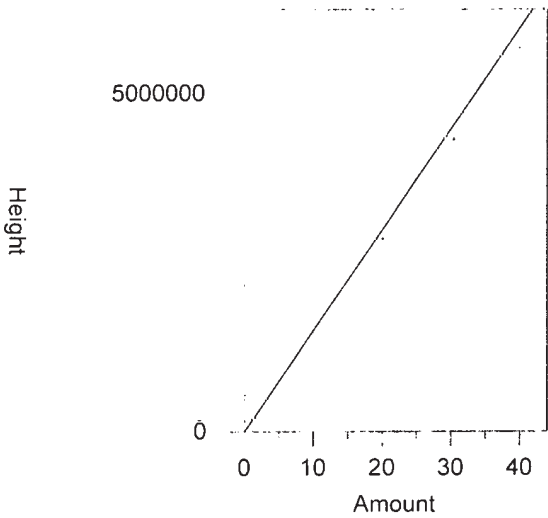
Single peak quantification by height

$Y = 119613.9 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.994265
 Average error: 5.699%
 Average CF: 119613.9
 RSD: 7.027%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	128628.5	128628.5	1.536	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.011
2	2	214451.5	107225.8	-10.357	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.012
3	10	1132618	113261.8	-5.311	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.013
4	20	2462240	123112	2.924	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.014
5	30.4	3584299	117904.6	-1.429	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.015
6	40	5102032	127550.8	6.635	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.016

23 Endrin aldehyde



Expected retention time: 4.538 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

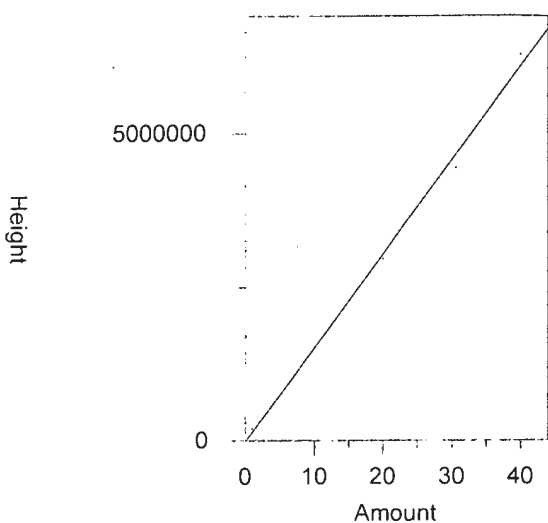
$Y = 149045.6 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9938626
 Average error: 6.031%
 Average CF: 149045.6
 RSD: 8.974%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	176014.1	176014.1	18.094	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.011
2	2	292235.4	146117.7	-1.964	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.012
3	10	1462808	146280.8	-1.855	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.013
4	20	2843482	142174.1	-4.610	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.014
5	30.4	4314730	141931.9	-4.773	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.015
6	40	5670202	141755	-4.891	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.016

24 Endo. sulfate

Chrom Perfect Calibration File



Expected retention time: 4.652 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

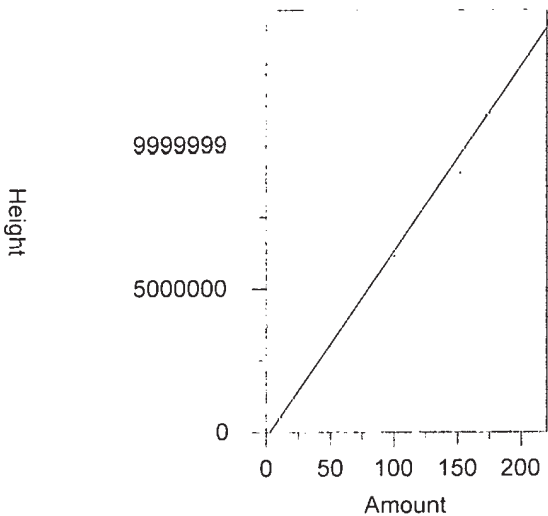
$$Y = 152541 X + -12738.87$$

Linear fit with equal weighting

Coefficient of determination: 0.9968769
 Average error: 9.178%
 Average CF: 158516.5
 RSD: 11.288%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	194017.3	194017.3	38.780	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.011
2	2	305151.7	152575.8	4.381	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.012
3	10	1540426	154042.6	1.835	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.013
4	20	2967273	148363.7	-2.331	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.014
5	30.6	4440384	145110.6	-4.611	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.015
6	40	6279567	156989.2	3.131	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.016

25 Methoxychlor



Expected retention time: 4.858 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 1
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

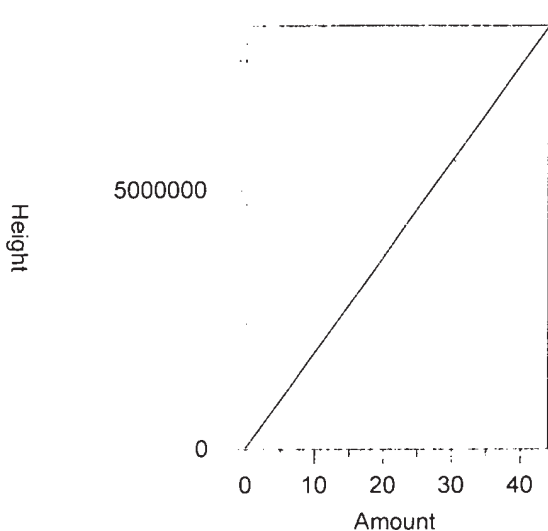
$$Y = 64868.89 X + -180417.6$$

Linear fit with equal weighting

Coefficient of determination: 0.9936931
 Average error: 30.943%
 Average CF: 62546.14
 RSD: 9.077%

Level	Amount	Response	Cal Factor	Error, %	Source
1	5	358413.9	71682.78	149.025	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest1827102:
2	10	562608.9	56260.89	20.146	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest1827102:
3	50	2978470	59569.4	-2.761	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest1827102:
4	100	6142722	61427.22	-2.597	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest1827102:
5	152	9040263	59475.41	-6.606	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest1827102:
6	200	1.337223E+07	66861.15	4.525	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest1827102:

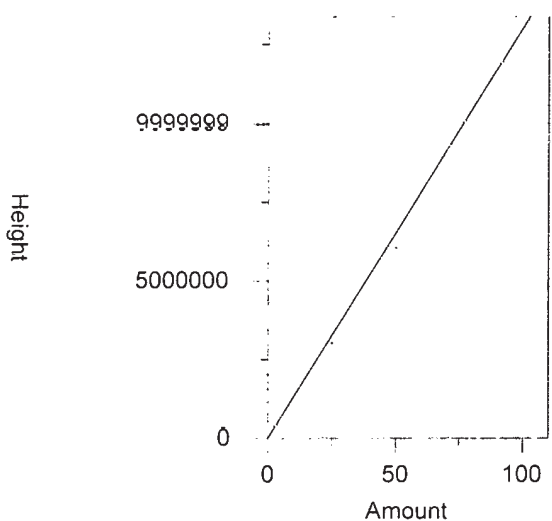
26 Endrin ketone



Expected retention time: 4.974 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 184133.4 X + 34142.39$
 Linear fit with equal weighting
 Coefficient of determination: 0.9997412
 Average error: 3.299%
 Average CF: 193507.2
 RSD: 9.935%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	232329.3	232329.3	6.438	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.011
2	2	364900.1	182450	-9.321	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.012
3	10	1892697	189269.7	0.918	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.013
4	20	3770340	188517	1.440	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.014
5	30.4	5557843	182823.8	-1.313	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.015
6	40	7426135	185653.4	0.360	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025.016

27 Mirex

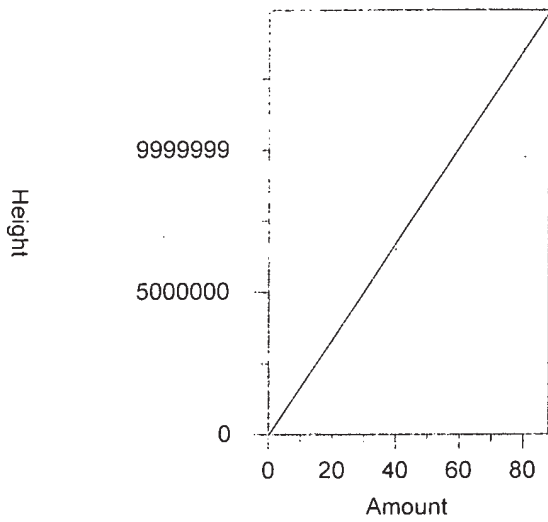


Expected retention time: 5.045 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 1
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 130379.3 X + 0$
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9895568
 Average error: 7.099%
 Average CF: 130379.3
 RSD: 9.838%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	2.5	384920	153968	18.092	Manual	11/13/2018 11:20:57 AM
2	5	663174	132634.8	1.730	Manual	11/13/2018 11:21:02 AM
3	12.5	1653796	132303.7	1.476	Manual	11/13/2018 11:21:09 AM
4	25	3021195	120847.8	-7.311	Manual	11/13/2018 11:21:15 AM
5	50	6047458	120949.2	-7.233	Manual	11/13/2018 11:21:29 AM
6	100	1.215723E+07	121572.3	-6.755	Manual	11/13/2018 11:22:15 AM

28 DCB

Chrom Perfect Calibration File



Expected retention time: 5.516 minutes
 Search window: 0.03 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

$$Y = 168540 X + -38498.12$$

Linear fit with equal weighting
 Coefficient of determination: 0.9996199
 Average error: 6.551%
 Average CF: 171078.6
 RSD: 7.902%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	396318.4	198159.2	32.734	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest1827102:
2	4	650719.5	162679.9	2.369	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest1827102:
3	20	3311176	165558.8	-0.634	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest1827102:
4	40	6519826	162995.7	-2.734	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest1827102:
5	61	1.023354E+07	167763	-0.087	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest1827102:
6	80	1.354522E+07	169315.3	0.748	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest1827102:

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952BCalibration File: 35PEST1827109BGC Column (2): DB CLP2ID: 0.32 (mm)ICAL Date(s) Analyzed: 11/12/2018 11/12/2018

COMPOUND	RT OF STANDARDS						MIDPOINT RT	RT WINDOW	
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6		FROM	TO
Tetrachloro-m-xylene	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.42	2.46
alpha-BHC	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.76	2.80
Hcb							2.90	2.88	2.92
gamma-BHC (Lindane)	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.06	3.10
beta-BHC	3.33	3.33	3.33	3.33	3.33	3.32	3.33	3.30	3.34
delta-BHC	3.54	3.55	3.55	3.55	3.55	3.55	3.55	3.52	3.56
Heptachlor	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.58	3.62
Aldrin	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.83	3.87
Telodrin							3.93	3.91	3.95
Heptachlor epoxide	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.13	4.17
o,p-DDE							4.25	4.23	4.27
gamma-Chlordane	4.35	4.36	4.36	4.36	4.36	4.36	4.36	4.34	4.38
alpha-Chlordane	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.37	4.41
Endosulfan I	4.41	4.41	4.41	4.41	4.41	4.41	4.41	4.39	4.43
4,4'-DDE	4.47	4.48	4.48	4.48	4.48	4.48	4.48	4.45	4.49
o,p-DDD							4.54	4.52	4.56
Dieldrin	4.56	4.57	4.57	4.57	4.57	4.56	4.57	4.54	4.58
Endrin	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.69	4.71
o,p-DDT							4.72	4.70	4.74
4,4'-DDD	4.77	4.77	4.77	4.77	4.77	4.77	4.77	4.75	4.79
Endosulfan II	4.84	4.85	4.85	4.85	4.85	4.85	4.85	4.82	4.86
Endrin aldehyde	4.90	4.91	4.91	4.91	4.91	4.90	4.91	4.88	4.92
4,4'-DDT	4.93	4.94	4.94	4.94	4.94	4.94	4.94	4.92	4.96
Endosulfan sulfate	5.05	5.06	5.06	5.06	5.06	5.05	5.06	5.03	5.07
Methoxychlor	5.16	5.16	5.16	5.16	5.16	5.16	5.16	5.14	5.18
Endrin ketone	5.27	5.28	5.28	5.28	5.28	5.27	5.28	5.25	5.29
Mirex							5.55	5.53	5.57
Decachlorobiphenyl	6.07	6.08	6.08	6.08	6.08	6.07	6.08	6.04	6.10

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952BCalibration File: 35PEST1827109BGC Column (2) : DB CLP2ID: 0.32 (mm)ICAL Date(s) Analyzed: 11/12/2018 11/12/2018

COMPOUND	CALIBRATION FACTORS						MEAN	%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6		
Tetrachloro-m-xylene	1.41E+05	1.21E+05	1.16E+05	1.20E+05	1.18E+05	1.17E+05	1.22E+05	8
alpha-BHC	1.87E+05	1.59E+05	1.64E+05	1.62E+05	1.62E+05	1.64E+05	1.66E+05	6
Hcb								11
gamma-BHC (Lindane)	1.63E+05	1.43E+05	1.36E+05	1.35E+05	1.38E+05	1.35E+05	1.42E+05	8
beta-BHC	8.76E+04	7.45E+04	6.74E+04	6.66E+04	6.61E+04	6.44E+04	7.11E+04	12
delta-BHC	1.91E+05	1.55E+05	1.57E+05	1.59E+05	1.59E+05	1.53E+05	1.62E+05	9
Heptachlor	1.67E+05	1.43E+05	1.35E+05	1.35E+05	1.35E+05	1.31E+05	1.41E+05	9
Aldrin	1.83E+05	1.52E+05	1.45E+05	1.44E+05	1.43E+05	1.46E+05	1.52E+05	10
Telodrin								12
Heptachlor epoxide	1.75E+05	1.39E+05	1.35E+05	1.32E+05	1.26E+05	1.27E+05	1.39E+05	13
o,p-DDE								12
gamma-Chlordane	1.78E+05	1.46E+05	1.39E+05	1.42E+05	1.34E+05	1.39E+05	1.46E+05	11
alpha-Chlordane	1.82E+05	1.46E+05	1.39E+05	1.39E+05	1.30E+05	1.35E+05	1.45E+05	13
Endosulfan I	1.78E+05	1.38E+05	1.31E+05	1.27E+05	1.28E+05	1.26E+05	1.38E+05	14
4,4'-DDE	1.76E+05	1.42E+05	1.44E+05	1.44E+05	1.38E+05	1.47E+05	1.48E+05	9
o,p-DDD								11
Dieldrin	1.70E+05	1.42E+05	1.39E+05	1.37E+05	1.34E+05	1.34E+05	1.43E+05	10
Endrin	1.54E+05	1.28E+05	1.21E+05	1.18E+05	1.13E+05	1.20E+05	1.26E+05	12
o,p-DDT								13
4,4'-DDD	1.78E+05	1.34E+05	1.33E+05	1.27E+05	1.24E+05	1.29E+05	1.37E+05	15
Endosulfan II	1.63E+05	1.27E+05	1.26E+05	1.24E+05	1.23E+05	1.23E+05	1.31E+05	12
Endrin aldehyde	1.36E+05	1.08E+05	1.06E+05	9.80E+04	9.57E+04	1.03E+05	1.08E+05	14
4,4'-DDT	1.23E+05	9.90E+04	9.94E+04	1.08E+05	1.02E+05	1.10E+05	1.07E+05	9
Endosulfan sulfate	1.50E+05	1.22E+05	1.21E+05	1.17E+05	1.12E+05	1.18E+05	1.23E+05	11
Methoxychlor	6.89E+04	5.41E+04	5.51E+04	5.40E+04	5.28E+04	5.60E+04	5.68E+04	11
Endrin ketone	1.86E+05	1.48E+05	1.40E+05	1.33E+05	1.29E+05	1.37E+05	1.46E+05	14
Mirex								17
Decachlorobiphenyl	9.74E+04	7.43E+04	6.83E+04	7.05E+04	6.60E+04	6.98E+04	7.44E+04	16

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 Version: 10

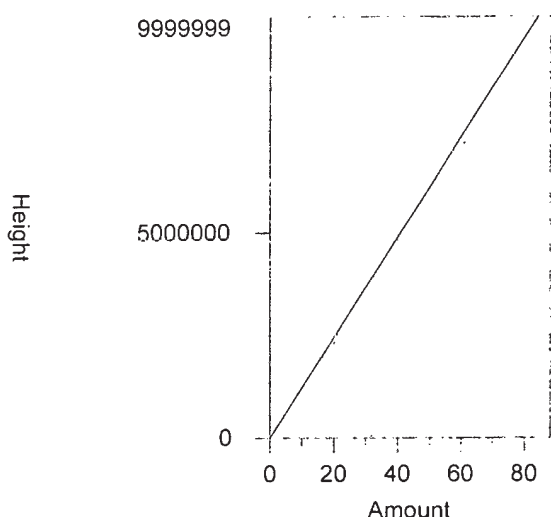
Creator:
 Description:
 Reason for change:

External standard calibration
 Standard injection volume: 1
 No sample weight correction
 Area reject threshold: 0
 Reference peak area reject threshold: 50
 Amount units: PPB
 No default component

Method of calculating data point averages: Current update equal to cal data
 No calibration update report

All levels are normal data points.

1 TCX

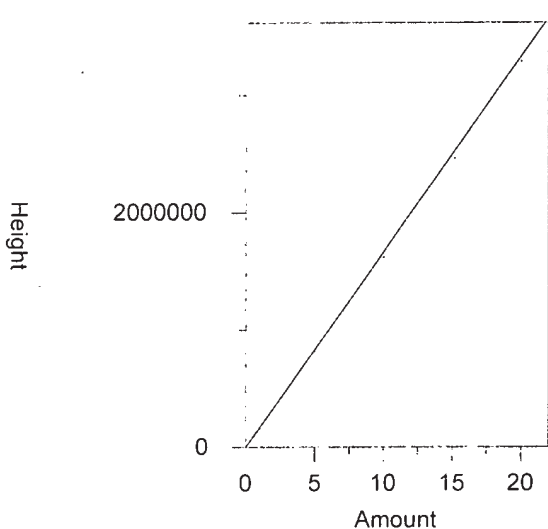


Expected retention time: 2.438 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 122205.3 X + 0$
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9960033
 Average error: 5.140%
 Average CF: 122205.3
 RSD: 7.703%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	282096.8	141048.4	15.419	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.011.BN
2	4	482936.8	120734.2	-1.204	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.012.BN
3	20	2324725	116236.3	-4.884	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.013.BN
4	40	4817861	120446.5	-1.439	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.014.BN
5	61	7194238	117938.3	-3.492	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.015.BN
6	80	9346251	116828.1	-4.400	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.016.BN

2 alpha-BHC

Chrom Perfect Calibration File



Expected retention time: 2.782 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

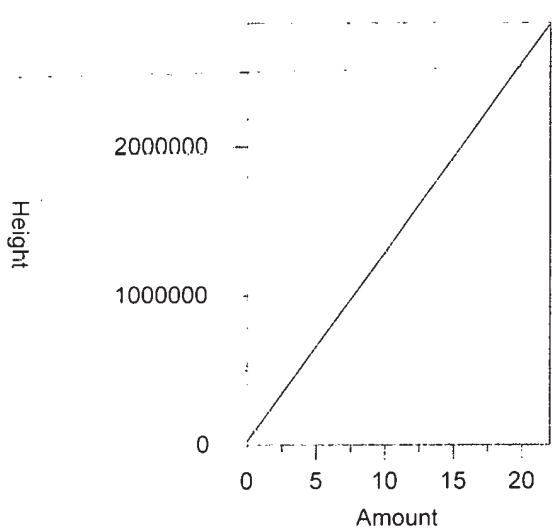
Single peak quantification by height

$Y = 166397.8 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9989953
 Average error: 4.030%
 Average CF: 166397.8
 RSD: 6.021%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	93257.77	186515.5	12.090	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
2	1	159430.2	159430.2	-4.187	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
3	5	820644.8	164129	-1.364	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
4	10	1619214	161921.4	-2.690	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
5	15.2	2462408	162000.5	-2.643	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
6	20	3287809	164390.5	-1.206	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0

3 HCB



Expected retention time: 2.866 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

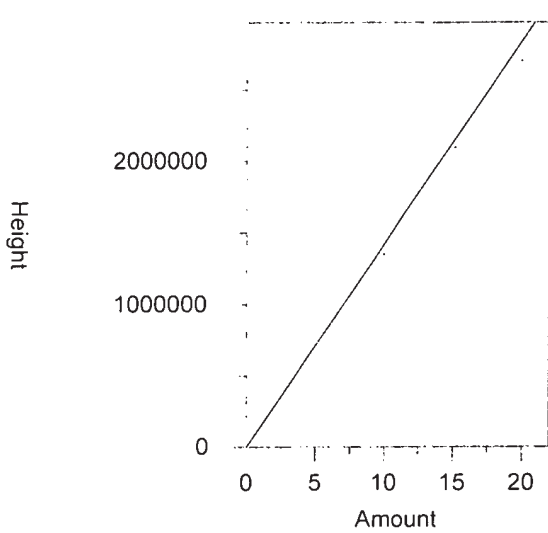
Single peak quantification by height

$Y = 127078.1 X + 24519.91$

Linear fit with equal weighting
 Coefficient of determination: 0.9999088
 Average error: 2.063%
 Average CF: 141271.2
 RSD: 10.718%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	0.5	83605	167210	-5.058	Manual	11/13/2018 12:11:56 PM
2	1	148780	148780	-1.859	Manual	11/13/2018 12:12:02 PM
3	2.5	356815	142726	4.266	Manual	11/13/2018 12:12:09 PM
4	5	660405	132081	0.075	Manual	11/13/2018 12:12:16 PM
5	10	1283048	128304.8	-0.946	Manual	11/13/2018 12:12:30 PM
6	20	2570511	128525.5	0.173	Manual	11/13/2018 12:13:10 PM

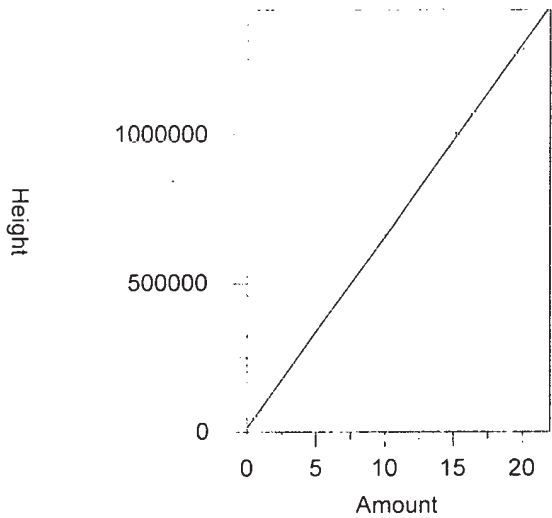
4 gamma-BHC



Expected retention time: 3.081 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 141683.4 X + 0$
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9952848
 Average error: 5.415%
 Average CF: 141683.4
 RSD: 7.777%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	81646.53	163293.1	15.252	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
2	1	143090.6	143090.6	0.993	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
3	5	680168.5	136033.7	-3.988	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
4	10	1348654	134865.4	-4.812	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
5	15.2	2094929	137824.3	-2.724	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
6	20	2699868	134993.4	-4.722	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:

5 beta-BHC

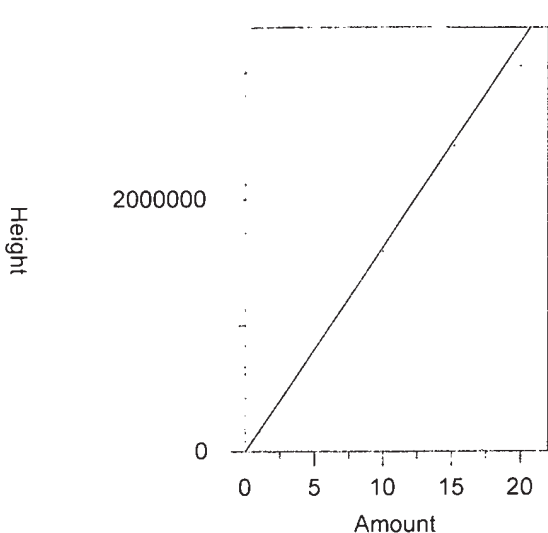


Expected retention time: 3.326 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 64285.59 X + 14838.71$
 Linear fit with equal weighting
 Coefficient of determination: 0.9996598
 Average error: 2.713%
 Average CF: 71088.8
 RSD: 12.420%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	43813.79	87627.58	-6.742	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
2	1	74513.27	74513.27	-5.828	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
3	5	336921.6	67384.32	0.195	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
4	10	665506.3	66550.63	1.188	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
5	15.2	1004779	66103.88	1.290	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
6	20	1287063	64353.15	-1.037	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:

6 delta-BHC

Chrom Perfect Calibration File



Expected retention time: 3.546 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

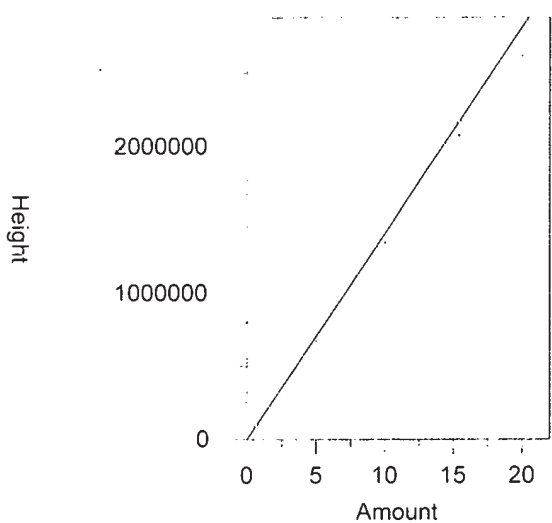
Single peak quantification by height

$Y = 162206 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9946336
 Average error: 5.883%
 Average CF: 162206
 RSD: 8.782%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	95416.38	190832.8	17.648	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
2	1	154636	154636	-4.667	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
3	5	784460.4	156892.1	-3.276	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
4	10	1587435	158743.5	-2.135	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
5	15.2	2422910	159402	-1.729	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
6	20	3054593	152729.7	-5.842	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:

7 Heptachlor



Expected retention time: 3.602 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

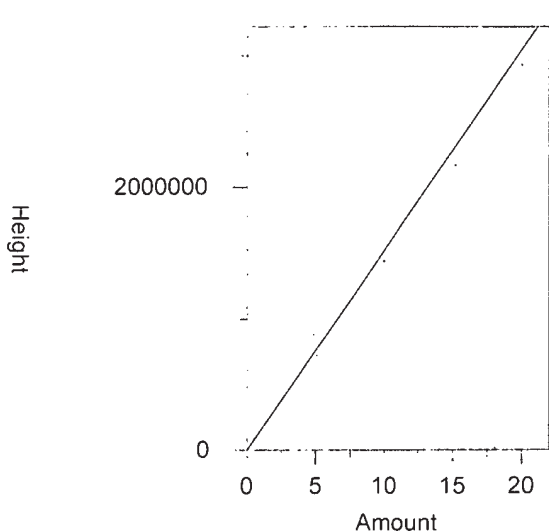
$Y = 141017 X + 0$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9903147
 Average error: 6.558%
 Average CF: 141017
 RSD: 9.366%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	83391.17	166782.3	18.271	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
2	1	142995.9	142995.9	1.403	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
3	5	676767.9	135353.6	-4.016	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
4	10	1348979	134897.9	-4.339	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
5	15.4	2078589	134973.3	-4.286	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
6	20	2621981	131099	-7.033	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:

8 Aldrin

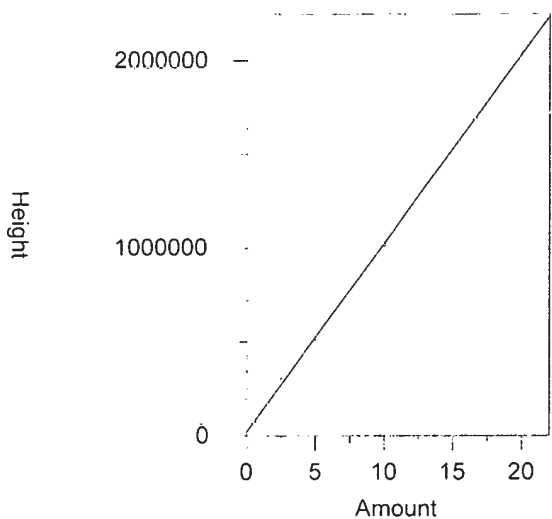
Chrom Perfect Calibration File



Expected retention time: 3.849 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 152141.4 X + 0$
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9934749
 Average error: 6.720%
 Average CF: 152141.4
 RSD: 10.093%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	91373.24	182746.5	20.116	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
2	1	152209.8	152209.8	0.045	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
3	5	723456.3	144691.3	-4.897	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
4	10	1443200	144320	-5.141	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
5	15.2	2166872	142557.4	-6.299	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
6	20	2926472	146323.6	-3.824	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0

9 Telodrin

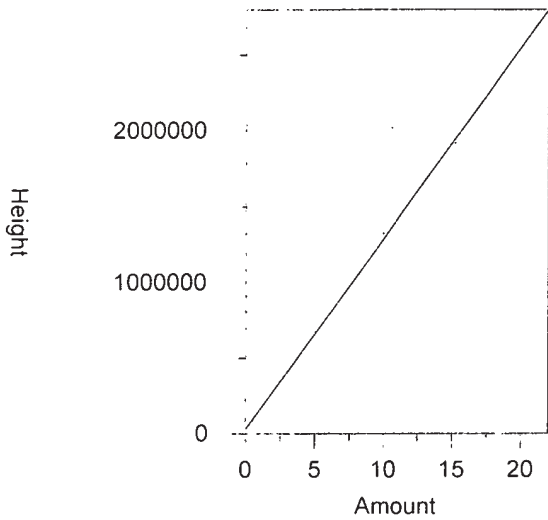


Expected retention time: 3.944 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 100594 X + 22413.85$
 Linear fit with equal weighting
 Coefficient of determination: 0.9994505
 Average error: 4.277%
 Average CF: 113784.6
 RSD: 12.497%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	0.5	67839	135678	-6.700	Manual	11/13/2018 12:13:34 PM
2	1	119575	119575	-2.791	Manual	11/13/2018 12:13:40 PM
3	2.5	305033	122013.2	11.367	Manual	11/13/2018 12:13:45 PM
4	5	510440	102088	-2.844	Manual	11/13/2018 12:13:50 PM
5	10	1012308	101230.8	-1.560	Manual	11/13/2018 12:13:57 PM
6	20	2042455	102122.8	0.401	Manual	11/13/2018 12:14:09 PM

10 Hept. epoxide

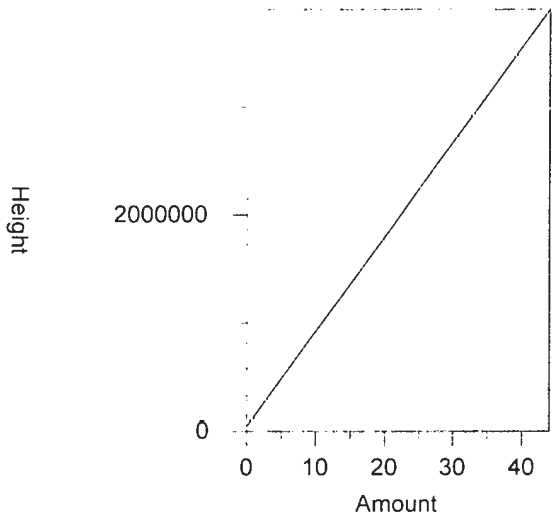
Chrom Perfect Calibration File



Expected retention time: 4.152 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 125615 X + 31389$
 Linear fit with equal weighting
 Coefficient of determination: 0.9995109
 Average error: 4.198%
 Average CF: 139060.3
 RSD: 13.089%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	87438.27	174876.5	-7.175	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
2	1	138914.7	138914.7	-11.522	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
3	5	676016.8	135203.4	2.510	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
4	10	1321832	132183.2	2.663	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
5	15.2	1916627	126093.9	-1.242	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
6	20	2541803	127090.1	-0.074	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0

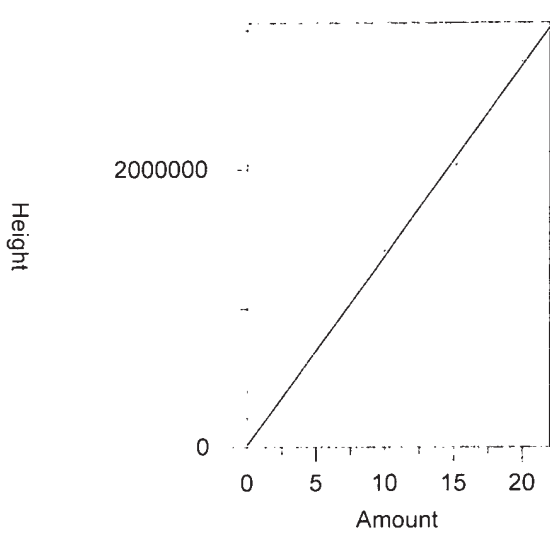
11 o,p-DDE



Expected retention time: 4.262 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 87503.91 X + 47744.84$
 Linear fit with equal weighting
 Coefficient of determination: 0.9998091
 Average error: 4.223%
 Average CF: 99816.38
 RSD: 12.282%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	1	120665	120665	-10.783	Manual	11/13/2018 12:14:23 PM
2	2	208200	104100	-6.533	Manual	11/13/2018 12:14:28 PM
3	5	518123	103624.6	6.771	Manual	11/13/2018 12:14:35 PM
4	10	916650	91665	-0.665	Manual	11/13/2018 12:14:42 PM
5	20	1805610	90280.5	0.433	Manual	11/13/2018 12:14:49 PM
6	40	3542526	88563.15	-0.151	Manual	11/13/2018 12:15:00 PM

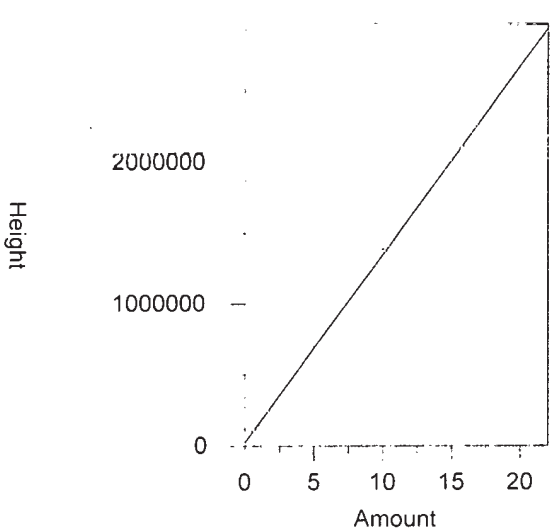
12 g. Chlordane



Expected retention time: 4.357 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 136572.4 X + 15699.57$
 Linear fit with equal weighting
 Coefficient of determination: 0.9990818
 Average error: 2.833%
 Average CF: 146294.3
 RSD: 11.102%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	89189.32	178378.6	6.196	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
2	1	146330.9	146330.9	-3.902	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
3	5	694221.4	138844.3	-0.621	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
4	10	1416590	141659	2.546	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
5	15.2	2034279	133834.1	-2.741	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
6	20	2774381	138719	0.991	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0

13 a. Chlordane

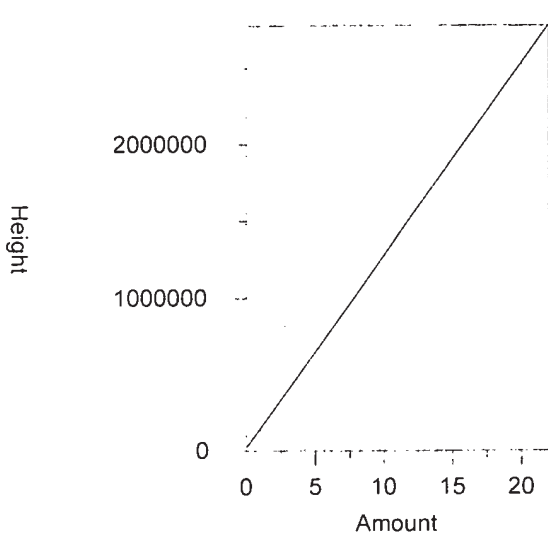


Expected retention time: 4.388 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 132312.5 X + 25419.18$
 Linear fit with equal weighting
 Coefficient of determination: 0.9987427
 Average error: 2.796%
 Average CF: 145125
 RSD: 12.967%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	90980.8	181961.6	-0.649	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
2	1	145903.6	145903.6	-7.499	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
3	5	697038.1	139407.6	1.464	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
4	10	1387341	138734.1	2.877	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
5	15.4	1997274	129693.1	-3.187	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
6	20	2700996	135049.8	1.098	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0

14 Endosulfan I

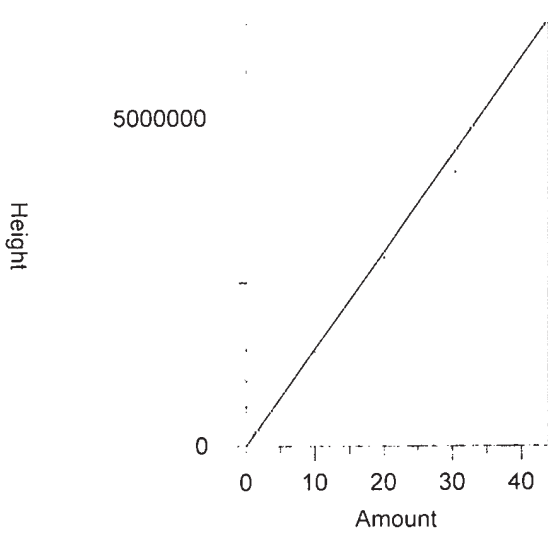
Chrom Perfect Calibration File



Expected retention time: 4.412 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 125703.6 X + 22084.95$
 Linear fit with equal weighting
 Coefficient of determination: 0.9998554
 Average error: 2.161%
 Average CF: 137854
 RSD: 13.876%

Level	Amount	Response	Cal Factor	Error, %	Source
1	0.5	87972.87	175945.7	3.575	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
2	1	137954.2	137954.2	-6.654	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
3	5	656044	131208.8	0.836	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
4	10	1274407	127440.7	-0.369	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
5	15.2	1952191	128433.6	1.004	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
6	20	2522817	126140.9	-0.526	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0

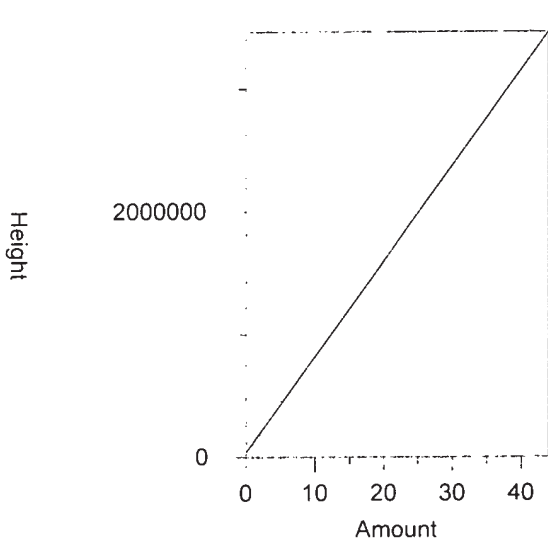
15 4,4'-DDE



Expected retention time: 4.476 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.1
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 148452.3 X + 0$
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9953289
 Average error: 6.285%
 Average CF: 148452.3
 RSD: 9.438%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	176444.3	176444.3	18.856	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
2	2	284299.5	142149.8	-4.245	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
3	10	1436554	143655.4	-3.231	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
4	20	2880378	144018.9	-2.986	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
5	30.4	4191146	137866.6	-7.131	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
6	40	5863141	146578.5	-1.262	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0

16 o,p-DDD



Expected retention time: 4.54 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

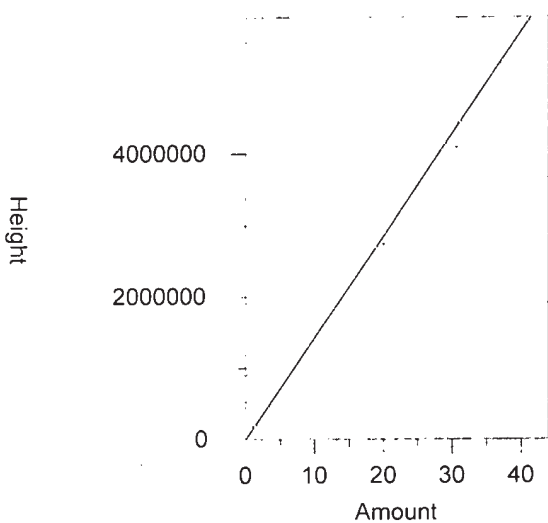
$$Y = 77813.05 X + 41321.41$$

Linear fit with equal weighting

Coefficient of determination: 0.9998403
 Average error: 4.080%
 Average CF: 88250.47
 RSD: 11.446%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	1	105261	105261	-11.645	Manual	11/13/2018 12:15:24 PM
2	2	184935	92467.5	-6.099	Manual	11/13/2018 12:15:31 PM
3	5	454791	90958.2	5.670	Manual	11/13/2018 12:15:36 PM
4	10	817569	81756.9	-0.230	Manual	11/13/2018 12:15:44 PM
5	20	1607577	80378.85	0.626	Manual	11/13/2018 12:15:51 PM
6	40	3147214	78680.35	-0.210	Manual	11/13/2018 12:16:03 PM

17 Dieldrin



Expected retention time: 4.566 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

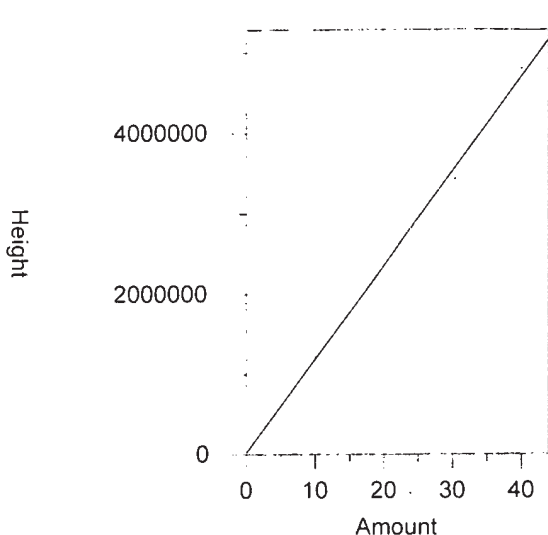
Single peak quantification by height

$$Y = 142714.1 X + 0$$

Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9906267
 Average error: 6.287%
 Average CF: 142714.1
 RSD: 9.520%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	169633.1	169633.1	18.862	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
2	2	284873.5	142436.8	-0.194	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
3	10	1392187	139218.7	-2.449	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
4	20	2743982	137199.1	-3.864	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
5	30.6	4089004	133627.6	-6.367	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
6	40	5366786	134169.7	-5.987	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:

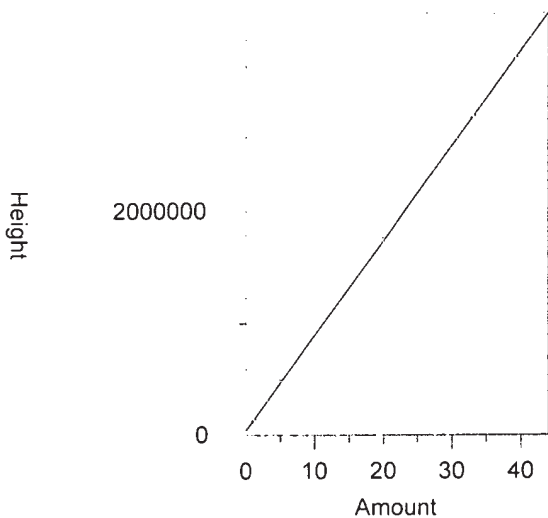
18 Endrin



Expected retention time: 4.7 minutes
 Search window: 0.01 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 117064.6 X + 20352.54$
 Linear fit with equal weighting
 Coefficient of determination: 0.9981632
 Average error: 3.514%
 Average CF: 125818.3
 RSD: 11.766%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	154373.5	154373.5	12.339	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
2	2	255904	127952	0.559	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
3	10	1214099	121409.9	1.940	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
4	20	2359260	117963	-0.101	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
5	30.4	3437380	113071.7	-3.960	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
6	40	4805579	120139.5	2.183	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0

19 o,p-DDT

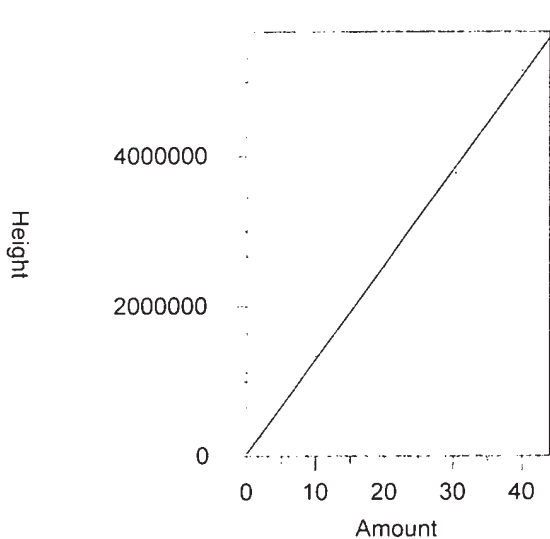


Expected retention time: 4.717 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 84935.41 X + 43702.49$
 Linear fit with equal weighting
 Coefficient of determination: 0.9996662
 Average error: 3.943%
 Average CF: 96705.48
 RSD: 12.606%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	1	116804	116804	-9.199	Manual	11/13/2018 12:16:22 PM
2	2	206435	103217.5	-3.342	Manual	11/13/2018 12:16:29 PM
3	5	496815	99363	6.071	Manual	11/13/2018 12:16:35 PM
4	10	865293	86529.3	-3.109	Manual	11/13/2018 12:16:41 PM
5	20	1770933	88546.65	1.637	Manual	11/13/2018 12:16:51 PM
6	40	3430897	85772.42	-0.297	Manual	11/13/2018 12:17:34 PM

20 4,4'-DDD

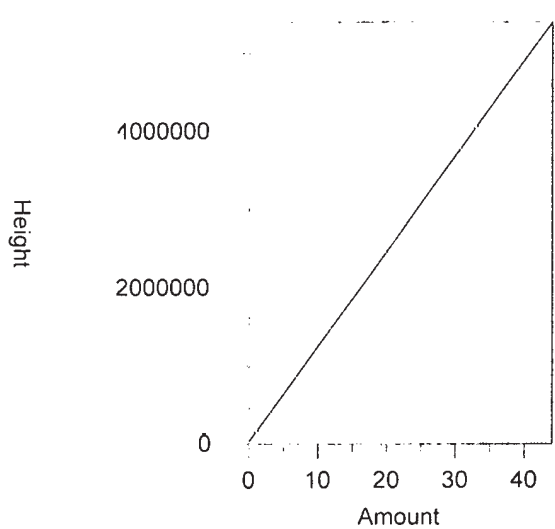
Chrom Perfect Calibration File



Expected retention time: 4.771 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 126125.4 X + 32308.03$
 Linear fit with equal weighting
 Coefficient of determination: 0.9992161
 Average error: 4.290%
 Average CF: 137434.6
 RSD: 14.665%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	177857.9	177857.9	12.260	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
2	2	267813.4	133906.7	-5.885	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
3	10	1332906	133290.6	3.042	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
4	20	2532737	126636.9	-0.864	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
5	30.4	3776944	124241.6	-2.317	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
6	40	5146959	128674	1.371	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:

21 Endosulfan II

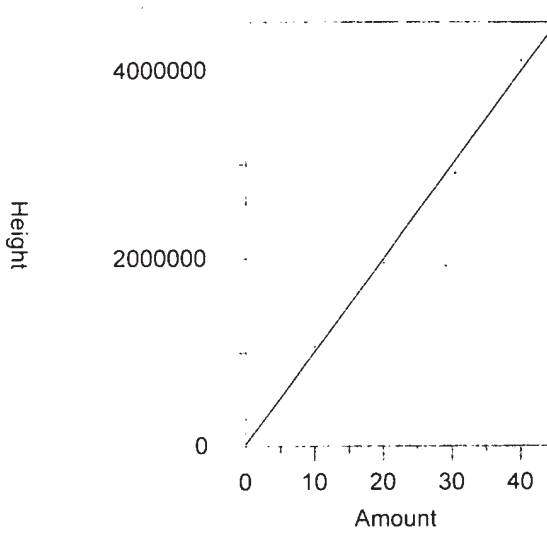


Expected retention time: 4.845 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 121948.3 X + 32215.69$
 Linear fit with equal weighting
 Coefficient of determination: 0.9999368
 Average error: 2.592%
 Average CF: 130890.4
 RSD: 11.976%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	162700.8	162700.8	5.537	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
2	2	253522	126761	-8.182	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
3	10	1260682	126068.2	0.718	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
4	20	2489942	124497.1	0.759	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
5	30.6	3751153	122586.7	-0.337	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:
6	40	4909138	122728.5	-0.021	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0:

22 Endrin aldehyde

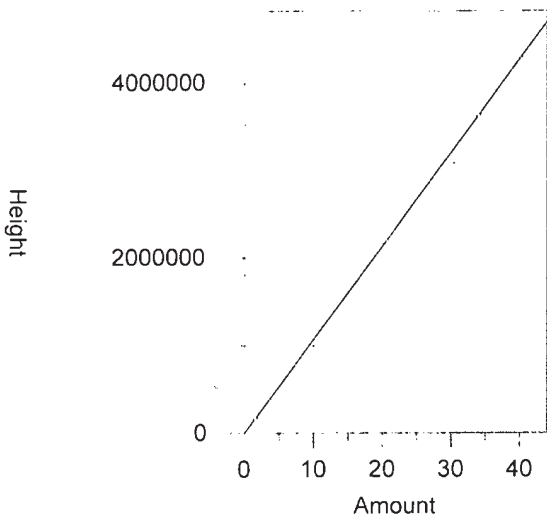
Chrom Perfect Calibration File



Expected retention time: 4.905 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 99401.75 X + 18682.86$
 Linear fit with equal weighting
 Coefficient of determination: 0.9971684
 Average error: 5.124%
 Average CF: 107831.8
 RSD: 13.658%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	136308.1	136308.1	15.433	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest\8271025B.0
2	2	215862	107931	-0.747	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest\8271025B.0
3	10	1064502	106450.2	5.115	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest\8271025B.0
4	20	1960180	98009	-2.319	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest\8271025B.0
5	30.4	2907967	95656.81	-4.359	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest\8271025B.0
6	40	4105419	102635.5	2.770	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest\8271025B.0

23 4,4'-DDT

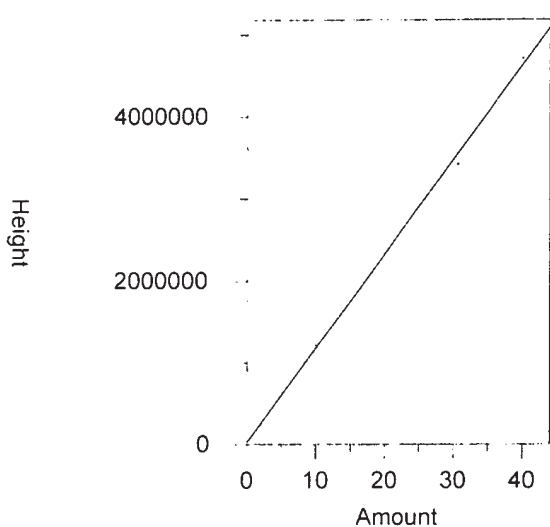


Expected retention time: 4.937 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 106850.6 X + 0$
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9969249
 Average error: 6.430%
 Average CF: 106850.6
 RSD: 8.680%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	123454.8	123454.8	15.540	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest\8271025B.0
2	2	198042.9	99021.45	-7.327	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest\8271025B.0
3	10	993744.6	99374.46	-6.997	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest\8271025B.0
4	20	2162983	108149.1	1.215	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest\8271025B.0
5	30.4	3086983	101545.5	-4.965	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest\8271025B.0
6	40	4382340	109558.5	2.534	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest\8271025B.0

24 Endo. sulfate

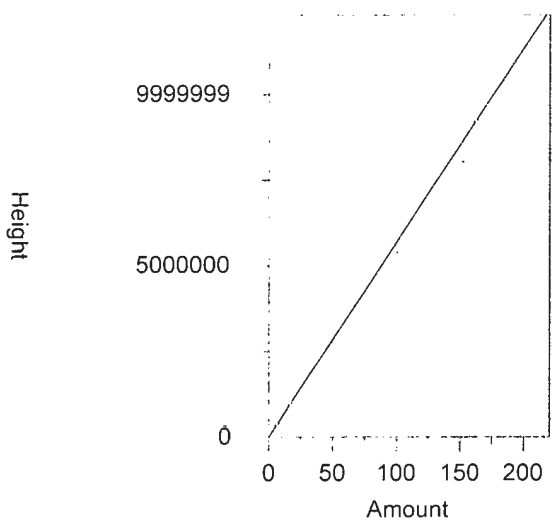
Chrom Perfect Calibration File



Expected retention time: 5.055 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 115002.8 X + 26881.54$
 Linear fit with equal weighting
 Coefficient of determination: 0.998583
 Average error: 3.193%
 Average CF: 123300.3
 RSD: 10.944%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	149804.9	149804.9	5.582	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
2	2	244608.8	122304.4	-4.780	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
3	10	1211176	121117.6	2.912	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
4	20	2342017	117100.9	0.648	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
5	30.6	3421298	111807.1	-3.516	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
6	40	4706676	117666.9	1.722	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0

25 Methoxychlor

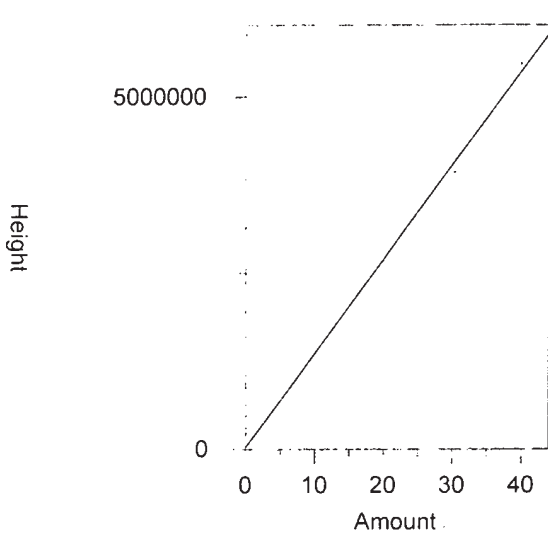


Expected retention time: 5.159 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 1
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 56809.42 X + 0$
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9948149
 Average error: 7.080%
 Average CF: 56809.42
 RSD: 10.576%

Level	Amount	Response	Cal Factor	Error, %	Source
1	5	344378.8	68875.77	21.240	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest1827102
2	10	541084.1	54108.41	-4.755	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest1827102
3	50	2753140	55062.8	-3.075	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest1827102
4	100	5399703	53997.03	-4.951	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest1827102
5	152	8027059	52809.6	-7.041	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest1827102
6	200	1.120058E+07	56002.9	-1.420	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest1827102

26 Endrin ketone

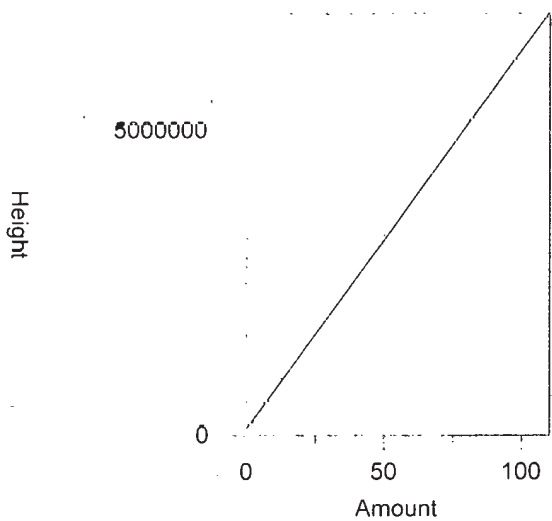
Chrom Perfect Calibration File



Expected retention time: 5.275 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 133016 X + 32643.34$
 Linear fit with equal weighting
 Coefficient of determination: 0.9983001
 Average error: 3.784%
 Average CF: 145583.7
 RSD: 14.245%

Level	Amount	Response	Cal Factor	Error, %	Source
1	1	185873.7	185873.7	12.202	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
2	2	295906.5	147953.3	-0.927	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
3	10	1402941	140294.1	2.945	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
4	20	2669843	133492.2	-0.859	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
5	30.4	3927913	129207.7	-3.641	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0
6	40	5467242	136681	2.129	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.0

27 Mirex

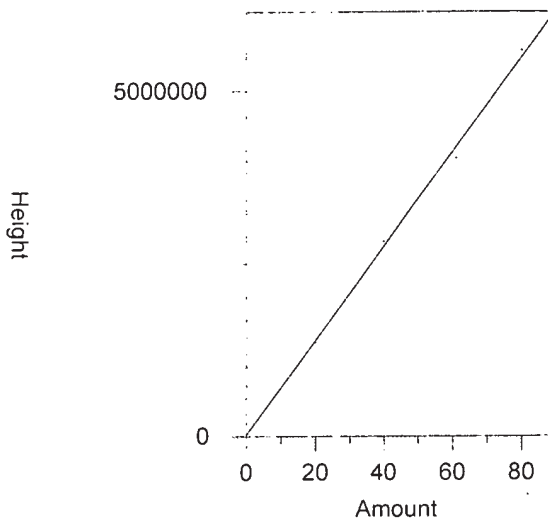


Expected retention time: 5.547 minutes
 Search window: 0.02 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 1
 Low alarm limit: 0
 Component constant: 0
 Single peak quantification by height
 $Y = 62141.88 X + 111742.6$
 Linear fit with equal weighting
 Coefficient of determination: 0.9995467
 Average error: 4.317%
 Average CF: 74199.41
 RSD: 17.343%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	2.5	242190	96876	-9.325	Manual	11/13/2018 12:17:39 PM
2	5	398510	79702	-5.667	Manual	11/13/2018 12:17:46 PM
3	12.5	936550	74924	5.406	Manual	11/13/2018 12:17:55 PM
4	25	1621206	64848.24	-2.647	Manual	11/13/2018 12:18:01 PM
5	50	3294961	65899.22	2.365	Manual	11/13/2018 12:18:12 PM
6	100	6294704	62947.04	-0.494	Manual	11/13/2018 12:20:15 PM

28 DCB

Chrom Perfect Calibration File



Expected retention time: 6.076 minutes
 Search window: 0.03 minutes
 No retention time reference component
 No response proxy component
 Group number: 0
 High alarm limit: 0.2
 Low alarm limit: 0
 Component constant: 0

Single peak quantification by height

$$Y = 68232.7 X + 27897.01$$

Linear fit with equal weighting

Coefficient of determination: 0.9981567
 Average error: 4.953%
 Average CF: 74401.89
 RSD: 15.603%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	194864.3	97432.15	18.558	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest\18271025B.0:
2	4	297128.8	74282.2	-1.230	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest\18271025B.0:
3	20	1366991	68349.55	-1.835	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest\18271025B.0:
4	40	2821597	70539.92	2.335	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest\18271025B.0:
5	61	4024822	65980.69	-3.944	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest\18271025B.0:
6	80	5586147	69826.84	1.816	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest\18271025B.0:

7D

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952A

Date Analyzed: 09/28/18

GC Column (1) : DB CLP1 ID: .32 (mm)

Time Analyzed: 16:36

Lab File ID: 35PEST18271001.003.RAW

Initial Calibration: 35PEST1827101

Lab Standard ID: PEMAA

Init. Calib Date(s): 09/28/18

09/28/18

Calibration: 35PEST1827101

COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng/ml)	NOM AMOUNT (ng/ml)	%D
		FROM	TO			
Tetrachloro-m-xylene	1.91	1.89	1.93	19.54	20.10	-3
alpha-BHC	2.32	2.30	2.34	9.14	10.00	-9
gamma-BHC (Lindane)	2.61	2.59	2.63	8.94	10.00	-11
beta-BHC	2.82	2.79	2.83	8.21	10.00	-18
4,4'-DDE	4.03	4.01	4.05	0.31		
Endrin	4.32	4.30	4.34	44.34	50.10	-12
4,4'-DDD	4.40	4.38	4.42	0.71		
4,4'-DDT	4.56	4.54	4.58	85.00	100.40	-15
Endrin aldehyde	4.61	4.59	4.63	0.30		
Methoxychlor	4.93	4.90	4.94	211.27	250.90	-16
Endrin ketone	5.05	5.02	5.06	0.82		
Decachlorobiphenyl	5.59	5.56	5.62	20.04	20.00	0

4,4'-DDT % breakdown:1

Endrin % breakdown: 2

Combined % breakdown:3.4

Compounds 12

7D

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952B

Date Analyzed: 09/28/18

GC Column (2) : DB CLP2 ID: .32 (mm)

Time Analyzed: 16:36

Lab File ID: 35PEST18271001B.003.RAW

Initial Calibration: 35PEST1827101B

Lab Standard ID: PEMAA

Init. Calib Date(s): 09/28/18 09/28/18

Calibration: 35PEST1827101B

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT (ng/ml)	NOM AMOUNT (ng/ml)	%D
Tetrachloro-m-xylene	2.49	2.47	2.51	20.43	20.10	2
alpha-BHC	2.84	2.81	2.85	9.28	10.00	-7
gamma-BHC (Lindane)	3.13	3.11	3.15	9.35	10.00	-7
beta-BHC	3.37	3.35	3.39	9.29	10.00	-7
4,4'-DDE	4.50	4.48	4.52	0.33		
Endrin	4.73	4.72	4.74	45.19	50.10	-10
4,4'-DDD	4.80	4.78	4.82	0.98		
Endrin aldehyde	4.93	4.91	4.95	0.46		
4,4'-DDT	4.96	4.94	4.98	85.99	100.40	-14
Methoxychlor	5.18	5.16	5.20	220.65	250.90	-12
Endrin ketone	5.30	5.28	5.32	0.89		
Decachlorobiphenyl	6.11	6.08	6.14	21.43	20.00	7

4,4'-DDT % breakdown:2

Endrin % breakdown: 3

Combined % breakdown:4.7

Compounds 12

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952A

Date Analyzed: 09/28/18

GC Column (1) : DB CLP1 ID: .32 (mm)

Time Analyzed: 19:02

Lab File ID: 35PEST18271001.017.RAW

Initial Calibration: 35PEST1827101

Lab Standard ID: ICMEXAA

Init. Calib Date(s): 09/28/18 09/28/18

Calibration: 35PEST1827101

COMPOUND	RT	RT WINDOW		CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
		FROM	TO			
Hcb	2.25	2.24	2.28	4.87	4.99	-2
Telodrin	3.30	3.28	3.32	5.34	5.05	6
o,p-DDE	3.82	3.81	3.85	9.67	10.09	-4
o,p-DDD	4.16	4.15	4.19	9.86	10.14	-3
o,p-DDT	4.34	4.32	4.36	9.44	10.00	-6
Mirex	5.11	5.10	5.14	24.96	24.76	1

Compounds 6

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952B

Date Analyzed: 09/28/18

GC Column (2) : DB CLP2 ID: .32 (mm)

Time Analyzed: 19:02

Lab File ID: 35PEST18271001B.017.RAW

Initial Calibration: 35PEST1827101B

Lab Standard ID: ICMEXAA

Init. Calib Date(s): 09/28/18 09/28/18

Calibration: 35PEST1827101B

COMPOUND	RT	RT WINDOW		CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
		FROM	TO			
Hcb	2.91	2.89	2.93	4.65	4.99	-7
Telodrin	3.97	3.95	3.99	5.24	5.05	4
o,p-DDE	4.29	4.27	4.31	9.68	10.09	-4
o,p-DDD	4.56	4.54	4.58	9.46	10.14	-7
o,p-DDT	4.74	4.73	4.75	9.12	10.00	-9
Mirex	5.57	5.55	5.59	24.53	24.76	-1

Compounds 6

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952A

Date Analyzed: 09/28/18

GC Column (1): DB CLP1 ID: .32 (mm)

Time Analyzed: 20:16

Lab File ID: 35PEST18271001.024.RAW

Initial Calibration: 35PEST1827101

Lab Standard ID: ICTXXAA

Init. Calib Date(s): 09/28/18 09/28/18

Calibration: 35PEST1827101

COMPOUND	RT	RT WINDOW		CALC AMOUNT	NOM AMOUNT	%D
		FROM	TO			
Toxaphene	4.42	4.39	4.43	520.30	501.00	4
	4.45	4.42	4.46	525.66	501.00	5
	4.62	4.59	4.63	501.17	501.00	0
	4.75	4.72	4.76	547.40	501.00	9
	4.94	4.92	4.96	547.02	501.00	9

Compounds 5

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952B

Date Analyzed: 09/28/18

GC Column (2) : DB CLP2 ID: .32 (mm)

Time Analyzed: 20:16

Lab File ID: 35PEST18271001B.024.RAW

Initial Calibration: 35PEST1827101B

Lab Standard ID: ICTXXAA

Init. Calib Date(s): 09/28/18 09/28/18

Calibration: 35PEST1827101B

COMPOUND	RT	RT WINDOW		CALC AMOUNT	NOM AMOUNT	%D
		FROM	TO			
Toxaphene	4.75	4.73	4.77	522.12	501.00	4
	4.91	4.89	4.93	516.98	501.00	3
	5.04	5.02	5.06	528.98	501.00	6
	5.25	5.23	5.27	535.81	501.00	7
	5.32	5.30	5.34	529.92	501.00	6

Compounds 5

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: ICTXX1824D **ICTXXAA ID:** AA **Batchnumber:** 1827099999
Sample Amount: 1 **Total Volume:** 1 ml **Analyt:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Sep 28, 2018 20:16:20
 Instrument : CP35--24952A
 Result file : 35PEST18271001.024.RAW
 Calibration file : 35PEST1827101.CAL
 Method file : 35PESTDI.MET

Analysis Report (B)

Injected on : Sep 28, 2018 20:16:20
 Instrument : CP35--24952B
 Result file : 35PEST18271001B.024.RAW
 Calibration file : 35PEST1827101B.CAL
 Method file : 35PESTDIB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
2.22	2.25	2.28	679.9107	0.259064	6	129.14	1
+ 2.22	2.28	2.28	2202.473	0.8392			1
+ 2.51	2.51	2.57	862.9018	0.219069			2
2.51	2.54	2.57	1214.873	0.308425			2
2.71	2.74	2.77	10100.56	4.363536			3
2.90	2.91	2.96	1230.726	0.174624			4
+ 2.90	2.95	2.96	6738.727	0.956136			4
2.98	2.99	3.04	1635.074	0.399317			5
+ 2.98	3.04	3.04	11065.96	2.702525			5
3.10	3.12	3.16	7581.806	2.590016			6
+ 3.10	3.16	3.16	10892.9	3.721117			6
Height Summation:			22442.9497				
Amount Avg CF:			1.349164	Linear:			

Aroclor-1221							
+ 2.09	2.09	2.13	1175.791	0.738523	3	48.30	1
2.09	2.11	2.13	970.1635	0.609367			1
+ 2.09	2.12	2.13	862.3605	0.541655			1
+ 2.09	2.13	2.13	861.9688	0.541409			1
+ 2.17	2.18	2.21	891.7739	0.815336			2
2.17	2.20	2.21	575.6391	0.526299			2
2.23	2.25	2.27	679.9107	0.201863			3
Height Summation:			2225.7133				
Amount Avg CF:			0.445843	Linear:			

Aroclor-1248							
3.15	3.16	3.21	10892.9	2.911038	6	157.10	1
+ 3.41	3.42	3.47	23658.06	13.949698			3
* 3.38	3.42	3.44	23658.06	4.751258			2
3.41	3.44	3.47	92513.44	54.549466			3
+ 3.66	3.67	3.72	116965.4	20.992145			4
* 3.66	3.70	3.72	45530.77	8.171549			4
* 3.69	3.70	3.75	45530.77	7.482097			5
+ 3.69	3.75	3.75	45014.19	7.397208			5
4.10	4.13	4.16	553801.4	161.20927			6
Height Summation:			771927.34				
Amount Avg CF:			39.84578	Linear:			

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
+ 2.75	2.76	2.81	861.6533	0.360502	6	92.85	1
2.75	2.77	2.81	657.1182	0.274928			1
+ 2.75	2.79	2.81	581.9697	0.243487			1
+ 2.75	2.80	2.81	644.2321	0.269536			1
3.07	3.09	3.13	536.343	0.186356			2
+ 3.25	3.26	3.31	1294.073	0.602032			3
3.25	3.29	3.31	7082.041	3.294723			3
+ 3.55	3.56	3.61	611.0618	0.100605			4
+ * 3.57	3.59	3.63	8981.13	2.436439			5
* 3.55	3.59	3.61	8981.13	1.478643			4
3.57	3.61	3.63	3854.451	1.045652			5
+ 3.66	3.66	3.72	7552.401	2.593179			6
3.66	3.70	3.72	11680.59	4.010627			6
Height Summation:			32791.6732				
Amount Avg CF:			1.715155	Linear:			

Aroclor-1221							
2.62	2.63	2.66	918.6155	1.026535	3	61.13	1
2.68	2.68	2.72	663.5474	0.710832			2
+ 2.76	2.76	2.80	861.6533	0.302035			3
2.76	2.77	2.80	657.1182	0.230339			3
+ 2.76	2.79	2.80	581.9697	0.203997			3
Height Summation:			2239.2811				
Amount Avg CF:			0.655902	Linear:			

Aroclor-1248							
3.74	3.76	3.80	13001.55	3.774353	6	154.05	1
3.78	3.80	3.84	14726.25	4.554924			2
+ 3.78	3.83	3.84	1440.244	0.445477			2
3.88	3.92	3.94	2063.785	0.509844			3
+ 4.18	4.20	4.24	33415.95	6.762295			4
4.18	4.22	4.24	80362.08	16.262657			4
4.30	4.33	4.36	232400.7	62.450811			5
+ 4.30	4.35	4.36	77630.87	20.860999			5
+ 4.54	4.56	4.60	351389.4	135.063796			6
4.54	4.58	4.60	436648.9	167.835051			6
+ 4.54	4.59	4.60	327224.7	125.775593			6
Height Summation:			779203.265				
Amount Avg CF:			42.564606	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: ICTXX1824D **ICTXXAA ID:** AA **Batchnumber:** 1827099999
Sample Amount: 1 **Total Volume:** 1 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Sep 28, 2018 20:16:20
 Instrument : CP35--24952A
 Result file : 35PEST18271001.024.RAW
 Calibration file : 35PEST1827101.CAL
 Method file : 35PESTDI.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
3.69	3.70	3.75	45530.77	7.451757	6	79.57	1
+ 3.69	3.75	3.75	45014.19	7.367211			1
+ 3.79	3.80	3.85	217929.6	29.777108			2
3.79	3.82	3.85	73835.33	10.088591			2
4.03	4.05	4.09	304937.3	51.728441			3
+ 4.03	4.08	4.09	496716.8	84.26121			3
+ 4.23	4.25	4.30	373225.6	49.617709			4
4.23	4.27	4.30	292128.4	38.836409			4
+ 4.23	4.29	4.30	431789.9	57.40342			4
4.45	4.47	4.51	498725.4	99.773495			5
E+ 4.45	4.50	4.51	1524508	304.988461			5
+ 4.52	4.52	4.58	661562.3	83.822745			6
+ 4.52	4.54	4.58	336622.7	42.651522			6
4.52	4.56	4.58	363491.3	46.055887			6
+ 4.52	4.58	4.58	397656.4	50.38475			6

Height Summation: 1578648.5
Amount Avg CF: 42.32243 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
+ 4.20	4.20	4.26	546849.8	65.91951	6	60.45	1
4.20	4.23	4.26	481477.3	58.039242			1
+ 4.20	4.25	4.26	373225.6	44.990139			1
+ 4.31	4.31	4.37	364443	36.828365			2
+ 4.31	4.33	4.37	596616.9	60.290429			2
4.31	4.34	4.37	481677.9	48.675401			2
+ 4.52	4.54	4.58	336622.7	34.536085			3
4.52	4.56	4.58	363491.3	37.292691			3
+ 4.52	4.58	4.58	397656.4	40.797888			3
+ 4.71	4.72	4.77	567531.8	81.228449			4
4.71	4.75	4.77	921449.3	131.883178			4
+ 4.83	4.85	4.89	460241.3	29.412102			5
4.83	4.87	4.89	1039224	66.412471			5
5.03	5.05	5.09	320422.6	27.089615			6
+ 5.03	5.08	5.09	354238.2	29.9485			6

Height Summation: 3607742.4
Amount Avg CF: 61.565433 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
2.74	2.74	2.78	10100.56	2.034424	6	193.33	1
+ 2.74	2.78	2.78	586.9318	0.118218			1
3.31	3.35	3.35	63891.84	17.052036			2
+ 3.65	3.65	3.69	112152.7	25.678376			3
3.65	3.67	3.69	116965.4	26.780287			3
+ 3.80	3.80	3.84	217929.6	12.468109			4
3.80	3.82	3.84	73835.33	4.22424			4
3.87	3.89	3.91	1310.914	0.092345			5
+ 3.87	3.90	3.91	33334.79	2.348209			5
4.47	4.50	4.51	1524508	228.731582			6

Height Summation: 1790612.044
Amount Avg CF: 46.485819 Linear:

Analysis Report (B)

Injected on : Sep 28, 2018 20:16:20
 Instrument : CP35--24952B
 Result file : 35PEST18271001B.024.RAW
 Calibration file : 35PEST1827101B.CAL
 Method file : 35PESTDIB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
+ 4.17	4.17	4.23	123632.2	25.258918	6	94.91	1
4.17	4.20	4.23	33415.95	6.827111			1
+ 4.17	4.22	4.23	80362.08	16.418532			1
+ 4.31	4.33	4.37	232400.7	35.83314			2
4.31	4.35	4.37	77630.87	11.969662			2
+ 4.54	4.56	4.60	351389.4	42.929597			3
4.54	4.58	4.60	436648.9	53.345836			3
+ 4.54	4.59	4.60	327224.7	39.977371			3
+ 4.71	4.72	4.77	252494.3	39.957649			4
+ 4.71	4.73	4.77	323675.4	51.222178			4
4.71	4.75	4.77	846968	134.034114			4
+ 4.71	4.77	4.77	261190.5	41.333837			4
+ 4.86	4.87	4.92	617443.6	153.58178			5
4.86	4.89	4.92	297808.3	74.076286			5
+ 4.86	4.91	4.92	969510.4	241.154225			5
4.94	4.95	5.00	142711	24.417097			6
+ 4.94	4.99	5.00	672180.9	115.006597			6

Height Summation: 1835183.02
Amount Avg CF: 50.778351 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
+ 4.64	4.64	4.70	219178.7	37.783568	6	52.17	1
4.64	4.67	4.70	369710.8	63.733352			1
+ 4.64	4.69	4.70	501024.8	86.370184			1
+ 4.79	4.79	4.85	283294.6	38.904154			2
4.79	4.82	4.85	285475.7	39.203679			2
+ 4.79	4.85	4.85	657454.7	90.286644			2
+ 4.94	4.95	5.00	142711	18.224657			3
4.94	4.99	5.00	672180.9	85.839678			3
+ 5.11	5.13	5.17	365096.3	93.197199			4
+ 5.11	5.15	5.17	162701.5	41.532396			4
+ 5.11	5.16	5.17	312874.9	79.866776			4
5.26	5.28	5.32	431615.7	41.448344			5
+ 5.26	5.32	5.32	1119943	107.548875			5
+ 5.41	5.41	5.47	74187.98	11.879438			6
5.41	5.43	5.47	104070	16.664331			6
+ 5.41	5.46	5.47	78414.81	12.556264			6

Height Summation: 2228149.4
Amount Avg CF: 56.681097 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
3.45	3.47	3.49	6837.754	1.533969	6	181.94	1
3.88	3.88	3.92	128851.3	28.538567			2
4.19	4.20	4.23	33415.95	7.841243			3
+ 4.19	4.22	4.23	80362.08	18.857419			3
4.37	4.37	4.41	113854.9	6.751395			4
4.40	4.41	4.44	164131	14.678843			5
4.89	4.91	4.93	969510.4	212.444979			6

Height Summation: 1416601.304
Amount Avg CF: 45.298166 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: ICTXX1824D **ICTXXAA ID:** AA **Batchnumber:** 1827099999
Sample Amount: 1 **Total Volume:** 1 ml **Analyt:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Sep 28, 2018 20:16:20
 Instrument : CP35--24952A
 Result file : 35PEST18271001.024.RAW
 Calibration file : 35PEST1827101.CAL
 Method file : 35PESTDI.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
					5	3.69	
4.39	4.42	4.43	1331834	520.296536			1
4.42	4.45	4.46	1245406	525.658104			2
4.59	4.62	4.63	1156587	501.165			3
+ 4.72	4.72	4.76	567531.8	337.150975			4
4.72	4.75	4.76	921449.3	547.401098			4
4.92	4.94	4.96	1660230	547.016306			5
Height Summation:			6315506.3				
Amount Avg CF:			528.307409		Linear:		

Analysis Report (B)

Injected on : Sep 28, 2018 20:16:20
 Instrument : CP35--24952B
 Result file : 35PEST18271001B.024.RAW
 Calibration file : 35PEST1827101B.CAL
 Method file : 35PESTDIB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
					5	1.39	
4.73	4.75	4.77	846968	522.123883			1
+ 4.73	4.77	4.77	261190.5	161.014109			1
4.89	4.91	4.93	969510.4	516.98065			2
5.02	5.04	5.06	1049122	528.976232			3
5.23	5.25	5.27	720277.3	535.814995			4
5.30	5.32	5.34	1119943	529.916094			5
+ 5.30	5.33	5.34	376380.6	178.089543			5
Height Summation:			4705820.7				
Amount Avg CF:			526.762371		Linear:		

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0	0		23.89	4	40	
Aroclor-1221			0	0		38.13	3	5	
Aroclor-1248			0	0		6.60	4	30	
Aroclor-1254			0	0	E	18.17	4	40	
Aroclor-1260			0	0		8.26	4	40	
Chlordane			0.5	0.16		2.59	4	40	
Toxaphene			1	0.3		0.29	4	40	

Units: ug/l

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952A

Date Analyzed: 09/28/18

GC Column (1): DB CLP1 ID: .32 (mm)

Time Analyzed: 21:29

Lab File ID: 35PEST18271001.031.RAW

Initial Calibration: 35PEST1827101

Lab Standard ID: ICCHXAA

Init. Calib Date(s): 09/28/18 09/28/18

Calibration: 35PEST1827101

COMPOUND	RT	RT WINDOW		CALC AMOUNT	NOM AMOUNT	%D
		FROM	TO			
Chlordane	2.76	2.74	2.78	102.01	100.20	2
	3.67	3.65	3.69	95.85	100.20	-4
	3.82	3.80	3.84	100.34	100.20	0
	3.89	3.87	3.91	107.91	100.20	8
	4.50	4.47	4.51	93.00	100.20	-7

Compounds 5

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952B

Date Analyzed: 09/28/18

GC Column (2) : DB CLP2 ID: .32 (mm)

Time Analyzed: 21:29

Lab File ID: 35PEST18271001B.031.RAW

Initial Calibration: 35PEST1827101B

Lab Standard ID: ICCHXAA

Init. Calib Date(s): 09/28/18 09/28/18

Calibration: 35PEST1827101B

COMPOUND	RT	RT WINDOW		CALC AMOUNT	NOM AMOUNT	%D
		FROM	TO			
Chlordane	3.47	3.45	3.49	103.28	100.20	3
	4.21	4.19	4.23	90.56	100.20	-10
	4.38	4.37	4.41	91.08	100.20	-9
	4.42	4.40	4.44	105.96	100.20	6
	4.91	4.89	4.93	99.09	100.20	-1

Compounds 5

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: ICCHX1824F **ICCHXAA ID:** AA **Batchnumber:** 1827099999
Sample Amount: 1 **Total Volume:** 1 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Sep 28, 2018 21:29:39
 Instrument : CP35--24952A
 Result file : 35PEST18271001.031.RAW
 Calibration file : 35PEST1827101.CAL
 Method file : 35PESTD1.MET

Analysis Report (B)

Injected on : Sep 28, 2018 21:29:39
 Instrument : CP35--24952B
 Result file : 35PEST18271001B.031.RAW
 Calibration file : 35PEST1827101B.CAL
 Method file : 35PESTD1B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
2.22	2.27	2.28	43917.08	16.733567	6	114.77	1
2.51	2.53	2.57	48849.56	12.401655			2
+ 2.51	2.56	2.57	15572.84	3.953546			2
2.71	2.72	2.77	17092.71	7.38421			3
E+ 2.71	2.76	2.77	506442.3	218.787782			3
2.90	2.92	2.96	766919.4	108.815693			4
+ 2.90	2.95	2.96	65448.49	9.286273			4
2.98	3.01	3.04	109295.3	26.692057			5
3.10	3.12	3.16	76350.45	26.082031			6

Height Summation: 1062424.5
 Amount Avg CF: 33.018202 Linear:

Aroclor-1221							
2.09	2.10	2.13	1177.453	0.739567	3	146.74	1
+ 2.09	2.12	2.13	1123.177	0.705476			1
2.17	2.18	2.21	808.2311	0.738954			2
2.23	2.27	2.27	43917.08	13.038797			3

Height Summation: 45902.7641
 Amount Avg CF: 4.839106 Linear:

Aroclor-1248							
+ 3.15	3.17	3.21	9074.365	2.425049	6	93.73	1
3.15	3.18	3.21	9818.712	2.62397			1
+ 3.15	3.20	3.21	37920.5	10.133942			1
3.38	3.39	3.44	48157.33	9.671457			2
+* 3.38	3.43	3.44	128017.5	25.70981			2
* 3.41	3.43	3.47	128017.5	75.484019			3
+ 3.41	3.45	3.47	64849.79	38.237919			3
3.66	3.67	3.72	418644.7	75.135471			4
+* 3.66	3.71	3.72	253483.2	45.493421			4
* 3.69	3.71	3.75	253483.2	41.655039			5
+ 3.69	3.73	3.75	104418.8	17.159201			5
+ 4.10	4.11	4.16	35015.37	10.192828			6
4.10	4.12	4.16	33953.86	9.883827			6

Height Summation: 892075.302
 Amount Avg CF: 35.742297 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
2.75	2.79	2.81	3137.652	1.312743	6	127.54	1
+ 3.07	3.07	3.13	3119.528	1.083903			2
3.07	3.12	3.13	2153.823	0.748362			2
3.25	3.27	3.31	25853.47	12.027611			3
3.55	3.56	3.61	1009.284	0.166167			4
+* 3.55	3.60	3.61	44197.05	7.276552			4
* 3.57	3.60	3.63	44197.05	11.989965			5
+ 3.66	3.67	3.72	57802.62	19.847006			6
3.66	3.69	3.72	95839.48	32.907276			6

Height Summation: 172190.759
 Amount Avg CF: 9.858687 Linear:

Aroclor-1221							
2.62	2.63	2.66	502.5069	0.561542	3	51.51	1
+ 2.62	2.65	2.66	821.0151	0.917469			1
2.68	2.69	2.72	1608.043	1.722633			2
2.76	2.79	2.80	3137.652	1.099838			3

Height Summation: 5248.2019
 Amount Avg CF: 1.128004 Linear:

Aroclor-1248							
3.74	3.75	3.80	14559.98	4.226765	6	82.86	1
+* 3.74	3.79	3.80	16693.7	4.846184			1
+* 3.78	3.79	3.84	16693.7	5.163468			2
3.78	3.82	3.84	42465.44	13.134833			2
+ 3.88	3.89	3.94	490179.2	121.095439			3
3.88	3.92	3.94	57628.32	14.236685			3
+ 4.18	4.19	4.24	22190.41	4.490613			4
4.18	4.21	4.24	385907.6	78.095076			4
+ 4.18	4.24	4.24	209207.5	42.336755			4
4.30	4.34	4.36	248968.2	66.902836			5
+ 4.30	4.35	4.36	95823.51	25.749733			5
4.54	4.57	4.60	132123.8	50.78452			6

Height Summation: 881653.34
 Amount Avg CF: 37.896786 Linear:

Aroclor-1254							
+ 4.17	4.17	4.23	17912.65	3.659679	6	105.87	1
4.17	4.19	4.23	22190.41	4.533655			1
+ 4.17	4.21	4.23	385907.6	78.843606			1
4.31	4.34	4.37	248968.2	38.387631			2
+ 4.31	4.35	4.37	95823.51	14.774728			2
4.54	4.57	4.60	132123.8	16.141698			3
+ 4.71	4.72	4.77	76940.48	12.175961			4
4.71	4.75	4.77	25850.42	4.090873			4
4.86	4.89	4.92	41832.27	10.405282			5
+ 4.86	4.91	4.92	452219.1	112.484143			5
+ 4.94	4.95	5.00	35892.35	6.140991			6
4.94	4.98	5.00	17445.6	2.98485			6

Height Summation: 488410.7
 Amount Avg CF: 12.757331 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: ICCHX1824F **ICCHXAA ID:** AA **Batchnumber:** 1827099999
Sample Amount: 1 **Total Volume:** 1 ml **Analyt:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Sep 28, 2018 21:29:39
 Instrument : CP35--24952A
 Result file : 35PEST18271001.031.RAW
 Calibration file : 35PEST1827101.CAL
 Method file : 35PESTDI.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
3.69	3.71	3.75	253483.2	41.486123	6	172.03	1
+ 3.69	3.73	3.75	104418.8	17.089619			1
+ 3.79	3.80	3.85	102144	13.956585			2
3.79	3.82	3.85	1753846	239.639138			2
+ 3.79	3.84	3.85	788124.6	107.686479			2
+ 4.03	4.04	4.09	59453.6	10.08549			3
4.03	4.07	4.09	120443.9	20.43166			3
+ 4.23	4.24	4.30	24075.75	3.200701			4
4.23	4.25	4.30	72797.88	9.677964			4
+ 4.23	4.28	4.30	54624.09	7.261887			4
4.45	4.47	4.51	40571.11	8.116534			5
+ 4.45	4.50	4.51	619862.6	124.007837			5
+ 4.52	4.54	4.58	20052.19	2.540697			6
4.52	4.56	4.58	17320.09	2.194529			6
+ 4.52	4.57	4.58	11087.42	1.404823			6

Height Summation: 2258462.18
 Amount Avg CF: 53.590991 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
+ 4.20	4.20	4.26	35889.06	4.326214	6	162.51	1
+ 4.20	4.22	4.26	30161.06	3.635737			1
4.20	4.24	4.26	24075.75	2.902189			1
+ 4.20	4.25	4.26	72797.88	8.775354			1
4.31	4.35	4.37	266263.9	26.90699			2
+ 4.52	4.54	4.58	20052.19	2.057271			3
4.52	4.56	4.58	17320.09	1.776969			3
+ 4.52	4.57	4.58	11087.42	1.137523			3
+ 4.71	4.71	4.77	32525.94	4.655302			4
4.71	4.74	4.77	9147.901	1.309301			4
+ 4.71	4.76	4.77	1467.375	0.210019			4
+ 4.83	4.84	4.89	4396.836	0.280983			5
4.83	4.86	4.89	9828.773	0.628116			5
+ 4.83	4.88	4.89	555.8107	0.03552			5
5.03	5.08	5.09	48265.86	4.08056			6

Height Summation: 374902.274
 Amount Avg CF: 6.267354 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
2.74	2.76	2.78	506442.3	102.006066	5	5.77	1
3.65	3.67	3.69	418644.7	95.852495			2
+ 3.80	3.80	3.84	102144	5.843825			3
3.80	3.82	3.84	1753846	100.340397			3
3.87	3.89	3.91	1531836	107.90742			4
4.47	4.50	4.51	619862.6	93.001908			5

Height Summation: 4830631.6
 Amount Avg CF: 99.821657 Linear:

Analysis Report (B)

Injected on : Sep 28, 2018 21:29:39
 Instrument : CP35--24952B
 Result file : 35PEST18271001B.031.RAW
 Calibration file : 35PEST1827101B.CAL
 Method file : 35PESTDIB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
+ 4.64	4.65	4.70	30310.92	5.22521	6	141.67	1
4.64	4.68	4.70	42171.82	7.269875			1
4.79	4.81	4.85	185133	25.423861			2
+ 4.79	4.84	4.85	56048.27	7.696972			2
+ 4.94	4.95	5.00	35892.35	4.583569			3
4.94	4.98	5.00	17445.6	2.22786			3
5.11	5.13	5.17	17391.16	4.439397			4
+ 5.11	5.16	5.17	1168.754	0.298345			4
+ 5.26	5.27	5.32	4213.427	0.404618			5
5.26	5.31	5.32	1800.211	0.172875			5
+ 5.41	5.43	5.47	22236.37	3.560625			6
5.41	5.44	5.47	4990.002	0.79903			6

Height Summation: 268931.793
 Amount Avg CF: 6.72215 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
3.45	3.47	3.49	460375.4	103.279745	5	7.14	1
4.19	4.21	4.23	385907.6	90.555414			2
4.37	4.38	4.41	1535883	91.075163			3
4.40	4.42	4.44	1184844	105.964985			4
4.89	4.91	4.93	452219.1	99.092983			5

Height Summation: 4019229.1
 Amount Avg CF: 97.993658 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
4.73	4.75	4.77	25850.42	15.935811	5	201.21	1
+ 4.89	4.89	4.93	41832.27	22.306593			2
4.89	4.91	4.93	452219.1	241.140811			2
+ 5.02	5.03	5.06	6126.613	3.08909			3
5.02	5.04	5.06	3596.314	1.813292			3
+ 5.23	5.24	5.27	8977.896	6.678666			4
5.23	5.26	5.27	3703.906	2.755339			4
5.30	5.31	5.34	1800.211	0.851794			5
+ 5.30	5.33	5.34	4400.604	2.082205			5

Height Summation: 487169.951
 Amount Avg CF: 52.499409 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: ICCHX1824F **ICCHXAA ID:** AA **Batchnumber:** 1827099999
Sample Amount: 1 **Total Volume:** 1 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Sep 28, 2018 21:29:39
 Instrument : CP35--24952A
 Result file : 35PEST18271001.031.RAW
 Calibration file : 35PEST1827101.CAL
 Method file : 35PESTDI.MET

Analysis Report (B)

Injected on : Sep 28, 2018 21:29:39
 Instrument : CP35--24952B
 Result file : 35PEST18271001B.031.RAW
 Calibration file : 35PEST1827101B.CAL
 Method file : 35PESTDIB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
4.39	4.42	4.43	46650.11	18.224411	5	83.32	1
4.42	4.45	4.46	61351.66	25.895168			2
4.59	4.61	4.63	22165.65	9.60468			3
4.72	4.74	4.76	9147.901	5.434451			4
4.92	4.94	4.96	3007.414	0.99089			5

Height Summation: 142322.735
Amount Avg CF: 12.02992 **Linear:**

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0	0	E	** 108.03	4	40	
Aroclor-1221			0	0		** 124.39	3	5	
Aroclor-1248			0	0		5.85	4	30	
Aroclor-1254			0	0		** 123.09	4	40	
Aroclor-1260			0	0		7.00	4	40	
Chlordane			0.5	0.16		1.85	4	40	
Toxaphene			1	0.3		** 125.43	4	40	

Units: ug/l

7D

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952A

Date Analyzed: 11/12/18

GC Column (1): DB CLP1 ID: .32 (mm)

Time Analyzed: 18:18

Lab File ID: 35PEST18271025.010.RAW

Initial Calibration: 35PEST1827109

Lab Standard ID: PEMAA

Init. Calib Date(s): 11/12/18 11/12/18

Calibration: 35PEST1827109

COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng/ml)	NOM AMOUNT (ng/ml)	%D
		FROM	TO			
Tetrachloro-m-xylene	1.81	1.79	1.83	20.15	20.10	0
alpha-BHC	2.22	2.20	2.24	8.77	10.00	-12
gamma-BHC (Lindane)	2.51	2.49	2.53	8.21	10.00	-18
beta-BHC	2.71	2.69	2.73	7.63	10.00	-24
4,4'-DDE	3.96	3.94	3.98	0.32		
Endrin	4.24	4.22	4.26	41.87	50.10	-16
4,4'-DDD	4.32	4.30	4.34	5.23		
4,4'-DDT	4.49	4.47	4.51	79.56	100.40	-21
Methoxychlor	4.86	4.84	4.88	240.15	250.90	-4
Endrin ketone	4.97	4.95	4.99	0.53		
Decachlorobiphenyl	5.51	5.49	5.55	28.91	20.00	45

4,4'-DDT % breakdown: 7

Endrin % breakdown: 2

Combined % breakdown: 9.3

Compounds 11

7D

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952B

Date Analyzed: 11/12/18

GC Column (2) : DB CLP2 ID: .32 (mm)

Time Analyzed: 18:18

Lab File ID: 35PEST18271025B.010.RAW

Initial Calibration: 35PEST1827109B

Lab Standard ID: PEMAA

Init. Calib Date(s): 11/12/18

11/12/18

Calibration: 35PEST1827109B

COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng/ml)	NOM AMOUNT (ng/ml)	%D
		FROM	TO			
Tetrachloro-m-xylene	2.44	2.42	2.46	19.87	20.10	-1
alpha-BHC	2.78	2.76	2.80	8.84	10.00	-12
gamma-BHC (Lindane)	3.08	3.06	3.10	8.64	10.00	-14
beta-BHC	3.32	3.30	3.34	8.33	10.00	-17
4,4'-DDE	4.48	4.45	4.49	0.31		
Endrin	4.70	4.69	4.71	48.67	50.10	-3
4,4'-DDD	4.77	4.75	4.79	6.00		
Endrin aldehyde	4.89	4.88	4.92	0.18		
4,4'-DDT	4.94	4.92	4.96	100.70	100.40	0
Methoxychlor	5.16	5.14	5.18	301.97	250.90	20
Endrin ketone	5.27	5.25	5.29	0.54		
Decachlorobiphenyl	6.07	6.04	6.10	28.29	20.00	41

4,4'-DDT % breakdown: 7

Endrin % breakdown: 3

Combined % breakdown: 9.6

Compounds 12

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952A

Date Analyzed: 11/12/18

GC Column (1): DB CLP1 ID: .32 (mm)

Time Analyzed: 19:31

Lab File ID: 35PEST18271025.017.RAW

Initial Calibration: 35PEST1827109

Lab Standard ID: ICMAXAA

Init. Calib Date(s): 11/12/18

11/12/18

Calibration: 35PEST1827109

COMPOUND	RT	RT WINDOW		CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
		FROM	TO			
Tetrachloro-m-xylene	1.81	1.79	1.83	41.99	40.06	5
alpha-BHC	2.22	2.20	2.24	20.33	20.04	1
gamma-BHC (Lindane)	2.51	2.49	2.53	20.19	19.98	1
beta-BHC	2.71	2.69	2.73	18.44	20.10	-8
Heptachlor	2.81	2.79	2.83	19.95	20.12	-1
delta-BHC	2.96	2.94	2.98	19.85	20.16	-2
Aldrin	3.09	3.07	3.11	19.39	20.10	-4
Heptachlor epoxide	3.56	3.54	3.58	18.83	20.10	-6
gamma-Chlordane	3.74	3.72	3.76	19.58	20.04	-2
alpha-Chlordane	3.81	3.79	3.83	19.39	20.06	-3
Endosulfan I	3.84	3.82	3.86	19.31	20.06	-4
4,4'-DDE	3.96	3.94	3.98	20.20	19.98	1
Dieldrin	4.04	4.02	4.06	19.49	19.94	-2
Endrin	4.24	4.22	4.26	21.37	19.64	9
4,4'-DDD	4.32	4.30	4.34	20.04	20.00	0
Endosulfan II	4.40	4.38	4.42	20.41	19.70	4
4,4'-DDT	4.49	4.47	4.51	23.01	20.00	15
Endrin aldehyde	4.54	4.52	4.56	19.94	20.14	-1
Endosulfan sulfate	4.65	4.63	4.67	19.93	20.10	-1
Methoxychlor	4.86	4.84	4.88	105.17	99.08	6
Endrin ketone	4.97	4.95	4.99	20.41	19.76	3
Decachlorobiphenyl	5.51	5.49	5.55	45.31	40.04	13

Compounds 22

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952B

Date Analyzed: 11/12/18

GC Column (2) : DB CLP2 ID: .32 (mm)

Time Analyzed: 19:31

Lab File ID: 35PEST18271025B.017.RAW

Initial Calibration: 35PEST1827109B

Lab Standard ID: ICMAXAA

Init. Calib Date(s): 11/12/18

11/12/18

Calibration: 35PEST1827109B

COMPOUND	RT	RT WINDOW FROM TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.44	2.42 2.46	42.01	40.06	5
alpha-BHC	2.78	2.76 2.80	20.04	20.04	0
gamma-BHC (Lindane)	3.08	3.06 3.10	19.92	19.98	0
beta-BHC	3.32	3.30 3.34	20.17	20.10	0
delta-BHC	3.54	3.52 3.56	19.93	20.16	-1
Heptachlor	3.60	3.58 3.62	20.70	20.12	3
Aldrin	3.85	3.83 3.87	19.82	20.10	-1
Heptachlor epoxide	4.15	4.13 4.17	19.61	20.10	-2
gamma-Chlordane	4.35	4.34 4.38	20.27	20.04	1
alpha-Chlordane	4.39	4.37 4.41	19.95	20.06	-1
Endosulfan I	4.41	4.39 4.43	20.65	20.06	3
4,4'-DDE	4.47	4.45 4.49	19.88	19.98	-1
Dieldrin	4.56	4.54 4.58	19.79	19.94	-1
Endrin	4.70	4.69 4.71	21.76	19.64	11
4,4'-DDD	4.77	4.75 4.79	20.43	20.00	2
Endosulfan II	4.84	4.82 4.86	20.96	19.70	6
Endrin aldehyde	4.90	4.88 4.92	19.94	20.14	-1
4,4'-DDT	4.93	4.92 4.96	22.09	20.00	10
Endosulfan sulfate	5.05	5.03 5.07	20.91	20.10	4
Methoxychlor	5.16	5.14 5.18	103.48	99.08	4
Endrin ketone	5.27	5.25 5.29	19.82	19.76	0
Decachlorobiphenyl	6.07	6.04 6.10	43.92	40.04	10

Compounds 22

Eurofins Lancaster Laboratories-Single Component Data Summary

Sample Name: IBLKX1824B

Sample Amount: 1000

Analyses: 00177

Total Volume: 10

PIBLKSS ID: SS

ml Analyst: 2306

Batchnumber: 1831699999

SDG:

State:

Analysis Report (A)

Injected on : Nov 14, 2018 02:37:14
 Instrument : CP35--24952A
 Result file : 35PEST18271026.071.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

%SSR(TCX) : 113% (29-129) Conc.: 0.226194
 %SSR(DCB) : 114% (32-149) Conc.: 0.227246

Analysis Report (B)

Injected on : Nov 14, 2018 02:37:14
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.071.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.MET

%SSR(TCX) : 110% (29-129) Conc.: 0.219596
 %SSR(DCB) : 118% (32-149) Conc.: 0.236233

Peak name	Min	R.T.	Max	Height	Amount
TCX	1.79	1.80	1.83	3296832	0.226194
HCB	2.14	2.15	2.18	968	-0.001460
alpha-BHC	2.20	2.22	2.24	1166	0.000053
gamma-BHC	2.49	2.51	2.53	1280	0.000068
beta-BHC	2.69	2.72	2.73	7866	-0.000746
Heptachlor	2.79	2.82	2.83	2129	0.000143
delta-BHC	2.94	2.96	2.98	779	0.000044
Aldrin	3.07	3.09	3.11	1088	0.000064
Telodrin	3.18	3.20	3.22	8427	-0.000743
Hept. epoxide	3.54	3.56	3.58	706	0.000042
o,p-DDE	3.73	3.74	3.77	801	-0.004693
a. Chlordane	3.79	3.81	3.83	968	0.000052
Endosulfan I	3.82	3.83	3.86	814	0.000047
4,4'-DDE	3.94	3.95	3.98	14539	0.000768
Dieldrin	4.02	4.04	4.06	1257	0.000066
Endrin	4.22	4.23	4.26	18167	0.001066
o,p-DDT	4.25	4.27	4.29	2425	-0.002581
4,4'-DDD	4.30	4.33	4.34	1031	-0.002719
Endosulfan II	4.39	4.39	4.43	7108	0.000405
4,4'-DDT	4.47	4.47	4.51	22844	0.001910
Endrin aldehyde	4.52	4.53	4.56	10624	0.000713
Methoxychlor	4.84	4.87	4.88	26307	0.031868
Endrin ketone	4.95	4.97	4.99	1688	-0.001763
Mirex	5.03	5.04	5.06	17450	0.001338
DCB	5.49	5.51	5.55	3791502	0.227246

Peak name	Min	R.T.	Max	Height	Amount
TCX	2.42	2.44	2.46	2683578	0.219596
alpha-BHC	2.76	2.80	2.80	1148	0.000069
HCB	2.85	2.86	2.89	490	-0.001891
gamma-BHC	3.06	3.06	3.10	653	0.000046
beta-BHC	3.31	3.32	3.35	498	-0.002231
delta-BHC	3.53	3.56	3.57	751	0.000046
Heptachlor	3.58	3.62	3.62	488	0.000035
Aldrin	3.83	3.85	3.87	403	0.000026
Telodrin	3.92	3.96	3.96	602	-0.002168
Hept. epoxide	4.13	4.16	4.17	5097	-0.002093
o,p-DDE	4.24	4.25	4.28	3160	-0.005095
g. Chlordane	4.34	4.34	4.38	1224	-0.001060
a. Chlordane	4.37	4.39	4.41	793	-0.001861
4,4'-DDE	4.46	4.46	4.50	1049	0.000071
Endrin	4.69	4.71	4.71	12383	-0.000681
o,p-DDT	4.70	4.73	4.74	16875	-0.003159
4,4'-DDD	4.75	4.79	4.79	513	-0.002521
Endrin aldehyde	4.89	4.92	4.93	36979	0.001841
Endo. sulfate	5.04	5.04	5.07	32155	0.000459
Methoxychlor	5.14	5.15	5.18	1540	0.000271
Mirex	5.53	5.56	5.57	17645	-0.015142
DCB	6.05	6.08	6.11	1639778	0.236233

Summary Report

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
<input type="checkbox"/> TCX	A	0.226194				2.96	
<input checked="" type="checkbox"/> HCB			<0.01	<0.003			
<input checked="" type="checkbox"/> alpha-BHC	B	0.000069	<0.01	<0.003		26.71	
<input checked="" type="checkbox"/> gamma-BHC	A	0.000068	<0.01	<0.002		38.78	
<input checked="" type="checkbox"/> beta-BHC			<0.01	<0.0034			
<input checked="" type="checkbox"/> Heptachlor	B	0.000035	<0.01	<0.002		121.93	**
<input checked="" type="checkbox"/> delta-BHC	B	0.000046	<0.01	<0.0034		5.51	
<input checked="" type="checkbox"/> Aldrin	B	0.000026	<0.01	<0.002		83.30	**
<input checked="" type="checkbox"/> Telodrin			<0.01	<0.0036			
<input checked="" type="checkbox"/> Hept. epoxide			<0.01	<0.0023			
<input checked="" type="checkbox"/> o,p-DDE			<0.02	<0.007			
<input checked="" type="checkbox"/> g. Chlordane			<0.02	<0.007			
<input checked="" type="checkbox"/> a. Chlordane			<0.01	<0.003			
<input checked="" type="checkbox"/> Endosulfan I			<0.01	<0.0043			
<input checked="" type="checkbox"/> 4,4'-DDE	B	0.000071	<0.02	<0.005		166.32	**
<input checked="" type="checkbox"/> Dieldrin			<0.02	<0.0053			
<input checked="" type="checkbox"/> o,p-DDD			<0.02	<0.005			

%RPD = High - Low Amount divided by the Average times 100

Higher Amount Found unless RPD > 40

** %Difference > 40, lower amount found reported

* Recovery outside QC Limits

Eurofins Lancaster Laboratories-Single Component Data Summary

Sample Name: IBLKX1824B **PIBLKSS ID:** SS **Batchnumber:** 1831699999
Sample Amount: 1000 **Total Volume:** 10 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 02:37:14
 Instrument : CP35-24952A
 Result file : 35PEST18271026.071.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Analysis Report (B)

Injected on : Nov 14, 2018 02:37:14
 Instrument : CP35-24952B
 Result file : 35PEST18271026B.071.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.B.MET

Summary Report

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
<input checked="" type="checkbox"/> Endrin	B	-0.000681	<0.02	<0.0081		906.79	**
<input checked="" type="checkbox"/> o,p-DDT			<0.02	<0.0051			
<input checked="" type="checkbox"/> 4,4'-DDD			<0.02	<0.005			
<input checked="" type="checkbox"/> Endosulfan II			<0.03	<0.015			
<input checked="" type="checkbox"/> 4,4'-DDT			<0.02	<0.0052			
<input checked="" type="checkbox"/> Endrin aldehyde	A	0.000713	<0.1	<0.02		88.34	**
<input checked="" type="checkbox"/> Endo. sulfate			<0.02	<0.0058			
<input checked="" type="checkbox"/> Methoxychlor	B	0.000271	<0.1	<0.03		196.63	**
<input checked="" type="checkbox"/> Endrin ketone			<0.02	<0.005			
<input checked="" type="checkbox"/> Mirex			<0.05	<0.01			
<input type="checkbox"/> DCB	B	0.236233				3.88	

LMDL

Units: ug/l

Reviewed by: DJS 15222
 Date: 11/15/18

Verified by: [Signature]
 Date: 11/24/18

%RPD = High - Low Amount divided by the Average times 100

** %Difference > 40, lower amount found reported

* Recovery outside QC Limits

Higher Amount Found unless RPD > 40

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX1824B **PIBLKSS ID: SS** **Batchnumber:** 1831699999
Sample Amount: 1000 **Total Volume:** 10 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 02:37:14
 Instrument : CP35--24952A
 Result file : 35PEST18271026.071.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : 113% (29-129) Conc.: 0.226194
 %SSR(DCB) : 114% (32-149) Conc.: 0.227246

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
2.17	2.18	2.23	8235.703	0.03138	6	153.97	1
+ 2.17	2.22	2.23	1166.459	0.004445			1
+ 2.45	2.45	2.51	905	0.002298			2
2.45	2.48	2.51	969.6923	0.002462			2
2.64	2.67	2.70	17266.66	0.074594			3
2.83	2.86	2.89	784.6042	0.001113			4
+ 2.83	2.88	2.89	599.7306	0.000851			4
2.91	2.93	2.97	1170.575	0.002859			5
+ 2.91	2.96	2.97	778.8521	0.001902			5
+ 3.03	3.03	3.09	919.9777	0.003143			6
3.03	3.06	3.09	793.0978	0.002709			6
+ 3.03	3.07	3.09	662.761	0.002264			6
+ 3.03	3.09	3.09	1088.111	0.003717			6

Height Summation: 29220.3323
Amount Avg CF: 0.019186 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1221							
2.04	2.04	2.08	47942.97	0.301133	3	149.02	1
2.12	2.14	2.16	739.2628	0.006759			2
+ 2.12	2.15	2.16	967.642	0.008847			2
2.18	2.18	2.22	8235.703	0.024451			3

Height Summation: 56917.9358
Amount Avg CF: 0.110781 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248							
+ 3.08	3.09	3.14	1088.111	0.002908	6	119.83	1
3.08	3.10	3.14	1294.719	0.00346			1
+ 3.08	3.13	3.14	687.1392	0.001836			1
+ 3.30	3.31	3.36	1138.019	0.002285			2
* 3.30	3.33	3.36	845.0131	0.001697			2
+* 3.33	3.33	3.39	845.0131	0.004983			3
+* 3.30	3.35	3.36	1501.722	0.003016			2
+* 3.33	3.35	3.39	1501.722	0.008855			3
3.33	3.36	3.39	1324.259	0.007808			3
+ 3.33	3.38	3.39	1239.108	0.007306			3
+ 3.33	3.38	3.39	1093.983	0.006451			3
+* 3.60	3.62	3.66	13294.61	0.021847			5
* 3.57	3.62	3.63	13294.61	0.02386			4
3.60	3.65	3.66	697.7228	0.001147			5
+ 4.00	4.02	4.06	1411.913	0.00411			6
4.00	4.03	4.06	1644.767	0.004788			6
+ 4.00	4.04	4.06	1256.566	0.003658			6
+ 4.00	4.05	4.06	1398.519	0.004071			6

Height Summation: 19101.0909
Amount Avg CF: 0.007127 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 02:37:14
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.071.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDDB.MET
 %SSR(TCX) : 110% (29-129) Conc.: 0.219596
 %SSR(DCB) : 118% (32-149) Conc.: 0.236233

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
3.05	3.06	3.11	653.125	0.002269	5	39.05	2
+ 3.05	3.11	3.11	594.924	0.002067			2
3.23	3.24	3.29	663.847	0.003088			3
+ 3.52	3.53	3.58	764.4701	0.001259			4
* 3.52	3.56	3.58	750.5522	0.001236			4
+* 3.55	3.56	3.61	750.5522	0.002036			5
* 3.55	3.58	3.61	473.4375	0.001284			5
+* 3.52	3.58	3.58	473.4375	0.000779			4
+ 3.64	3.65	3.70	584.9399	0.002008			6
3.64	3.68	3.70	564.1259	0.001937			6

Height Summation: 3105.0876
Amount Avg CF: 0.001963 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1221							
2.66	2.67	2.70	605.8116	0.00649	1		2

Height Summation: 605.8116
Amount Avg CF: 0.00649 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248							
3.72	3.73	3.78	601.0984	0.001745	6	132.85	1
* 3.75	3.76	3.81	552.6277	0.001709			2
+* 3.72	3.76	3.78	552.6277	0.001604			1
+ 3.75	3.81	3.81	310.5903	0.000961			2
+ 3.86	3.88	3.92	1171.646	0.002894			3
3.86	3.89	3.92	1149.336	0.002839			3
+ 3.86	3.92	3.92	975.9499	0.002411			3
4.16	4.19	4.22	5719.261	0.011574			4
+ 4.16	4.20	4.22	6134.926	0.012415			4
+ 4.28	4.28	4.34	2927.024	0.007866			5
4.28	4.32	4.34	513.7556	0.001381			5
4.51	4.52	4.57	7055.337	0.027119			6

Height Summation: 15591.4157
Amount Avg CF: 0.007728 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
4.14	4.16	4.20	5096.897	0.010413	5	120.78	1
+ 4.14	4.19	4.20	5719.261	0.011685			1
+ 4.14	4.20	4.20	6134.926	0.012534			1
4.28	4.32	4.34	513.7556	0.000792			2
+ 4.28	4.34	4.34	1223.548	0.001887			2
4.51	4.52	4.57	7055.337	0.00862			3
+ 4.69	4.69	4.75	9351.375	0.014799			4
4.69	4.71	4.75	12383.23	0.019597			4
+ 4.69	4.73	4.75	16875.26	0.026705			4
4.91	4.92	4.97	36979	0.063269			6

Height Summation: 62028.2196
Amount Avg CF: 0.020538 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX1824B **PIBLKSS ID:** SS **Batchnumber:** 1831699999
Sample Amount: 1000 **Total Volume:** 10 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 02:37:14
 Instrument : CP35-24952A
 Result file : 35PEST18271026.071.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
3.60	3.62	3.66	13294.61	0.021759	6	103.20	1
+ 3.60	3.65	3.66	697.7228	0.001142			1
+ 3.70	3.70	3.76	894.6042	0.001222			2
+ 3.70	3.71	3.76	714.267	0.000976			2
3.70	3.74	3.76	800.8894	0.001094			2
3.94	3.95	4.00	14539.32	0.024664			3
+ 3.94	3.99	4.00	776.0718	0.001316			3
+ 4.14	4.15	4.20	685.9583	0.000912			4
4.14	4.17	4.20	947.3975	0.001259			4
+ 4.14	4.18	4.20	538.4375	0.000716			4
+ 4.14	4.19	4.20	765.625	0.001018			4
+ 4.35	4.36	4.41	2500.85	0.005003			5
4.35	4.38	4.41	7232.346	0.014469			5
+ 4.35	4.39	4.41	7108.125	0.01422			5
4.42	4.43	4.48	716.7379	0.000908			6
+ 4.42	4.47	4.48	22843.6	0.028944			6

Height Summation: 37531.3008
Amount Avg CF: 0.010692 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
4.10	4.12	4.16	1105.27	0.001332	6	87.44	1
+ 4.10	4.15	4.16	685.9583	0.000827			1
+ 4.21	4.21	4.27	1056.361	0.001067			2
4.21	4.23	4.27	18166.55	0.018358			2
+ 4.42	4.43	4.48	716.7379	0.000735			3
4.42	4.47	4.48	22843.6	0.023437			3
4.60	4.62	4.66	2552.696	0.003654			4
+ 4.72	4.72	4.78	1819.709	0.001163			5
4.72	4.77	4.78	3951.307	0.002525			5
4.91	4.94	4.97	24791.04	0.020959			6

Height Summation: 73410.463
Amount Avg CF: 0.011711 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
2.64	2.64	2.68	3016.672	0.006076	5	108.51	1
+ 2.64	2.67	2.68	17266.66	0.034778			1
3.57	3.57	3.61	1062.809	0.002433			2
3.72	3.74	3.76	800.8894	0.000458			3
+ 3.79	3.79	3.83	945.0446	0.000666			4
3.79	3.81	3.83	967.5347	0.000682			4
+ 3.79	3.83	3.83	645.8807	0.000455			4
4.40	4.43	4.44	716.7379	0.001075			5

Height Summation: 6564.643
Amount Avg CF: 0.002145 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 02:37:14
 Instrument : CP35-24952B
 Result file : 35PEST18271026B.071.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
4.61	4.64	4.67	8319.484	0.014342	6	90.16	1
4.76	4.79	4.82	513.0208	0.000705			2
4.91	4.92	4.97	36979	0.047223			3
5.08	5.09	5.14	18532.06	0.047306			4
5.23	5.25	5.29	30137.64	0.028941			5
5.38	5.42	5.44	1214.432	0.001945			6
Height Summation:			95695.6368				
Amount Avg CF:			0.02341	Linear:			
Chlordane							
3.42	3.46	3.46	1698.287	0.00381	4	130.42	1
4.17	4.19	4.21	5719.261	0.013421			2
+ 4.17	4.20	4.21	6134.926	0.014396			2
* 4.35	4.38	4.39	1006.486	0.000597			3
+* 4.38	4.38	4.41	1006.486	0.0009			4
4.38	4.39	4.41	793.0341	0.000709			4
Height Summation:			9217.0681				
Amount Avg CF:			0.004634	Linear:			
Toxaphene							
+ 4.70	4.71	4.74	12383.23	0.076338	3	22.06	1
4.70	4.73	4.74	16875.26	0.10403			1
5.21	5.21	5.25	12482.4	0.092857			4
5.27	5.30	5.31	29649.09	0.140289			5
Height Summation:			59006.75				
Amount Avg CF:			0.112392	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX1824B PIBLKSS ID: SS **Batchnumber:** 1831699999
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2306 SDG: State:
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 02:37:14
 Instrument : CP35--24952A
 Result file : 35PEST18271026.071.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
					5	95.37	
+ 4.35	4.36	4.39	2500.85	0.00977			1
4.35	4.38	4.39	7232.346	0.028254			1
+ 4.35	4.39	4.39	7108.125	0.027769			1
4.40	4.43	4.44	716.7379	0.003025			2
4.57	4.58	4.61	11635.88	0.05042			3
4.78	4.79	4.82	1631.911	0.009695			4
4.85	4.87	4.89	26306.78	0.086676			5
+ 4.85	4.89	4.89	4607.668	0.015181			5

Height Summation: 47523.6549
Amount Avg CF: 0.035614 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 02:37:14
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.071.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0	0		** 162.87	4	40	
Aroclor-1221			0	0		** 177.86	3	5	
Aroclor-1248			0	0		8.09	4	30	
Aroclor-1254			0	0		** 63.05	4	40	
Aroclor-1260			0	0		** 66.62	4	40	
Chlordane			0.5	0.16		** 73.44	4	40	
Toxaphene			1	0.3		** 103.75	4	40	

Units: ug/l

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952A

Date Analyzed: 11/14/18

GC Column (1): DB CLP1 ID: .32 (mm)

Time Analyzed: 2:47

Lab File ID: 35PEST18271026.072.RAW

Initial Calibration: 35PEST1827109

Lab Standard ID: MIXA3EW

Init. Calib Date(s): 11/12/18 11/12/18

Calibration: 35PEST1827109

COMPOUND	RT	RT WINDOW FROM TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	1.80	1.79 1.83	21.70	20.03	8
alpha-BHC	2.21	2.20 2.24	5.55	5.00	11
gamma-BHC (Lindane)	2.50	2.49 2.53	5.53	5.00	11
beta-BHC	2.70	2.69 2.73	5.68	5.00	14
Heptachlor	2.81	2.79 2.83	5.61	5.06	11
delta-BHC	2.96	2.94 2.98	5.47	5.00	9
Aldrin	3.09	3.07 3.11	5.31	5.06	5
Heptachlor epoxide	3.55	3.54 3.58	5.33	5.06	5
gamma-Chlordane	3.73	3.73 3.77	5.25	5.06	4
alpha-Chlordane	3.80	3.79 3.83	5.00	5.06	-1
Endosulfan I	3.84	3.82 3.86	5.20	5.06	3
4,4'-DDE	3.95	3.94 3.98	10.44	10.06	4
Dieldrin	4.03	4.02 4.06	10.50	10.06	4
Endrin	4.23	4.22 4.26	10.64	10.00	6
4,4'-DDD	4.32	4.30 4.34	10.78	10.00	8
Endosulfan II	4.40	4.39 4.43	10.51	10.06	4
4,4'-DDT	4.48	4.47 4.51	11.87	10.00	19
Endrin aldehyde	4.53	4.52 4.56	10.21	10.00	2
Endosulfan sulfate	4.65	4.63 4.67	11.34	9.88	15
Methoxychlor	4.85	4.84 4.88	62.96	50.13	26
Endrin ketone	4.97	4.95 4.99	11.31	10.00	13
Decachlorobiphenyl	5.51	5.49 5.55	21.66	20.02	8

Compounds 22

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952B

Date Analyzed: 11/14/18

GC Column (2) : DB CLP2 ID: .32 (mm)

Time Analyzed: 2:47

Lab File ID: 35PEST18271026B.072.RAW

Initial Calibration: 35PEST1827109B

Lab Standard ID: MIXA3EW

Init. Calib Date(s): 11/12/18 11/12/18

Calibration: 35PEST1827109B

COMPOUND	RT	RT WINDOW FROM TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.44	2.42 2.46	21.32	20.03	6
alpha-BHC	2.78	2.76 2.80	5.22	5.00	4
gamma-BHC (Lindane)	3.08	3.06 3.10	5.16	5.00	3
beta-BHC	3.33	3.31 3.35	5.45	5.00	9
delta-BHC	3.55	3.53 3.57	5.07	5.00	1
Heptachlor	3.60	3.58 3.62	5.03	5.06	-1
Aldrin	3.85	3.83 3.87	5.06	5.06	0
Heptachlor epoxide	4.15	4.13 4.17	5.25	5.06	4
gamma-Chlordane	4.36	4.34 4.38	5.16	5.06	2
alpha-Chlordane	4.39	4.37 4.41	5.30	5.06	5
Endosulfan I	4.41	4.39 4.43	5.25	5.06	4
4,4'-DDE	4.48	4.46 4.50	9.90	10.06	-2
Dieldrin	4.57	4.55 4.59	9.79	10.06	-3
Endrin	4.70	4.69 4.71	10.39	10.00	4
4,4'-DDD	4.77	4.75 4.79	10.11	10.00	1
Endosulfan II	4.85	4.83 4.87	10.64	10.06	6
Endrin aldehyde	4.90	4.89 4.93	10.36	10.00	4
4,4'-DDT	4.94	4.92 4.96	10.48	10.00	5
Endosulfan sulfate	5.05	5.04 5.08	10.63	9.88	8
Methoxychlor	5.16	5.14 5.18	52.60	50.13	5
Endrin ketone	5.27	5.26 5.30	10.93	10.00	9
Decachlorobiphenyl	6.08	6.05 6.11	24.09	20.02	20

Compounds 22

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952A

Date Analyzed: 11/14/18

GC Column (1): DB CLP1 ID: .32 (mm)

Time Analyzed: 2:58

Lab File ID: 35PEST18271026.073.RAW

Initial Calibration: 35PEST1827109

Lab Standard ID: TOXA4YY

Init. Calib Date(s): 11/12/18 11/12/18

Calibration: 35PEST1827109

COMPOUND	RT	RT WINDOW		CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
		FROM	TO			
Toxaphene	4.37	4.35	4.39	484.53	504.25	-4
	4.42	4.40	4.44	671.43	504.25	33
	4.58	4.57	4.61	516.20	504.25	2
	4.80	4.78	4.82	654.54	504.25	30
	4.87	4.85	4.89	481.95	504.25	-4

Compounds 5

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952B

Date Analyzed: 11/14/18

GC Column (2) : DB CLP2 ID: .32 (mm)

Time Analyzed: 2:58

Lab File ID: 35PEST18271026B.073.RAW

Initial Calibration: 35PEST1827109B

Lab Standard ID: TOXA4YY

Init. Calib Date(s): 11/12/18 11/12/18

Calibration: 35PEST1827109B

COMPOUND	RT	RT WINDOW FROM TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Toxaphene	4.72	4.70 4.74	472.77	504.25	-6
	4.88	4.86 4.90	503.68	504.25	0
	5.01	4.99 5.03	518.91	504.25	3
	5.22	5.21 5.25	534.49	504.25	6
	5.29	5.27 5.31	555.09	504.25	10

Compounds 5

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: TOXA41824E **TOXA4YY ID:** YY **Batchnumber:** 1831699999
Sample Amount: 1 **Total Volume:** 1 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 02:58:08
 Instrument : CP35--24952A
 Result file : 35PEST18271026.073.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTDI.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
+ 2.17	2.17	2.23	1095.018	0.417231	6	60.82	1
2.17	2.19	2.23	954.3083	0.363617			1
+ 2.17	2.21	2.23	3379.633	1.287729			1
2.45	2.47	2.51	8107.508	2.058289			2
+ 2.45	2.49	2.51	4913.662	1.247453			2
2.64	2.68	2.70	9078.387	3.921948			3
+ 2.64	2.70	2.70	5432.907	2.347066			3
+ 2.83	2.83	2.89	8386.519	1.189936			4
2.83	2.85	2.89	8493.275	1.205083			4
+ 2.83	2.88	2.89	5287.266	0.750193			4
+ 2.91	2.92	2.97	9948.658	2.429658			5
2.91	2.96	2.97	12737.47	3.11074			5
3.03	3.04	3.09	11668.21	3.98597			6

Height Summation: 51039.1583
Amount Avg CF: 2.440941 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1221							
2.04	2.05	2.08	2851.419	1.790997	3	87.54	1
+ 2.04	2.08	2.08	657.8198	0.413181			1
2.12	2.14	2.16	690.3017	0.631133			2
+ 2.12	2.15	2.16	623.8042	0.570335			2
2.18	2.19	2.22	954.3083	0.28333			3
+ 2.18	2.21	2.22	3379.633	1.003399			3

Height Summation: 4496.029
Amount Avg CF: 0.90182 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248							
3.08	3.10	3.14	21980.2	5.874028	6	125.57	1
+ 3.08	3.13	3.14	109602.1	29.290259			1
+ 3.30	3.31	3.36	20681.43	4.153461			2
+* 3.33	3.34	3.39	78918.77	46.533528			3
* 3.30	3.34	3.36	78918.77	15.849291			2
3.33	3.37	3.39	176970.4	104.348523			3
+* 3.60	3.60	3.66	56779.84	9.330664			5
* 3.57	3.60	3.63	56779.84	10.190455			4
3.60	3.65	3.66	45388.99	7.458799			5
+ 4.00	4.01	4.06	502023.9	146.137057			6
4.00	4.05	4.06	487124.7	141.799962			6

Height Summation: 867162.9
Amount Avg CF: 47.586843 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 02:58:08
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.073.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDIB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
2.73	2.75	2.79	551.7864	0.230858	6	83.34	1
+ 2.73	2.78	2.79	1757.504	0.735311			1
+ 3.05	3.06	3.11	1607.502	0.558539			2
3.05	3.10	3.11	976.7185	0.339368			2
3.23	3.24	3.29	5429.337	2.525849			3
3.52	3.55	3.58	9509.989	1.565714			3
* 3.55	3.57	3.61	6682.671	1.812904			5
+* 3.52	3.57	3.58	6682.671	1.100227			4
+ 3.55	3.60	3.61	7795.997	2.114931			5
3.64	3.66	3.70	12291.66	4.220443			6
+ 3.64	3.68	3.70	4811.448	1.65205			6
+ 3.64	3.70	3.70	2307.425	0.792273			6

Height Summation: 35442.1619
Amount Avg CF: 1.782523 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1221							
2.66	2.68	2.70	1963.231	2.103131	2	117.60	2
+ 2.66	2.70	2.70	582.5952	0.624111			2
2.74	2.75	2.78	551.7864	0.193417			3

Height Summation: 2515.0174
Amount Avg CF: 1.148274 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248							
+ 3.72	3.72	3.78	13469.2	3.910111	6	175.12	1
* 3.75	3.77	3.81	13539.57	4.187876			2
* 3.72	3.77	3.78	13539.57	3.93054			1
3.86	3.89	3.92	2391.839	0.590888			3
+ 3.86	3.91	3.92	33726.06	8.331794			3
+ 4.16	4.17	4.22	25097.92	5.078998			4
4.16	4.19	4.22	83343.26	16.86595			4
+ 4.28	4.30	4.34	196244	52.734768			5
4.28	4.32	4.34	69648.7	18.716027			5
+ 4.51	4.53	4.57	303021.3	116.472515			6
4.51	4.55	4.57	358153	137.663526			6
+ 4.51	4.56	4.57	295903.4	113.736602			6

Height Summation: 540615.939
Amount Avg CF: 30.325801 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: TOXA41824E **TOXA4YY ID: YY** **Batchnumber: 1831699999**
Sample Amount: 1 **Total Volume:** 1 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 02:58:08
 Instrument : CP35--24952A
 Result file : 35PEST18271026.073.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTDI.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
					6	116.26	
+ 3.60	3.60	3.66	56779.84	9.292827			1
3.60	3.65	3.66	45388.99	7.428552			1
+ 3.70	3.71	3.76	223644.1	30.557916			2
3.70	3.73	3.76	114209.8	15.605212			2
3.94	3.97	4.00	269183.2	45.663247			3
+ 3.94	4.00	4.00	472543.4	80.160523			3
+ 4.14	4.15	4.20	468979.2	62.347475			4
4.14	4.17	4.20	378748.8	50.35198			4
+ 4.14	4.18	4.20	307710	40.907873			4
+ 4.14	4.19	4.20	309324.8	41.122549			4
4.35	4.37	4.41	1240284	248.127467			5
+ 4.35	4.39	4.41	526947.2	105.419463			5
+ 4.42	4.42	4.48	1590777	201.558183			6
4.42	4.44	4.48	739115.2	93.649026			6
+ 4.42	4.47	4.48	395196	50.073007			6

Height Summation: 2786929.99
Amount Avg CF: 76.804247 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
					6	66.13	
4.10	4.12	4.16	508031.7	61.240218			1
+ 4.10	4.15	4.16	468979.2	56.53267			1
4.21	4.23	4.27	357850.3	36.162147			2
+ 4.21	4.25	4.27	561279	56.719398			2
+ 4.21	4.26	4.27	472272.9	47.72499			2
4.42	4.44	4.48	739115.2	75.830136			3
+ 4.42	4.47	4.48	395196	40.545461			3
+ 4.60	4.62	4.66	785060.3	112.362392			4
4.60	4.64	4.66	520578.3	74.508191			4
+ 4.72	4.74	4.78	403787.2	25.804356			5
4.72	4.76	4.78	299501.4	19.139885			5
+ 4.72	4.77	4.78	573797.1	36.668979			5
+ 4.91	4.92	4.97	107507.2	9.089024			6
+ 4.91	4.94	4.97	36422.54	3.079285			6
4.91	4.95	4.97	53077.94	4.487389			6
+ 4.91	4.97	4.97	317584.6	26.849681			6

Height Summation: 2478154.84
Amount Avg CF: 45.227994 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
					4	166.61	
3.57	3.57	3.61	110086.2	25.205232			2
+ 3.57	3.60	3.61	56779.84	13.000258			2
3.72	3.73	3.76	114209.8	6.534129			3
3.79	3.81	3.83	44462.39	3.132073			4
4.40	4.42	4.44	1590777	238.674339			5

Height Summation: 1859535.39
Amount Avg CF: 68.386443 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 02:58:08
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.073.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDIB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
					6	95.42	
4.14	4.17	4.20	25097.92	5.12768			1
+ 4.14	4.19	4.20	83343.26	17.027608			1
+ 4.28	4.30	4.34	196244	30.258251			2
4.28	4.32	4.34	69648.7	10.738916			2
+ 4.51	4.53	4.57	303021.3	37.020418			3
4.51	4.55	4.57	358153	43.755913			3
+ 4.51	4.56	4.57	295903.4	36.150817			3
+ 4.69	4.69	4.75	235711.7	37.301774			4
+ 4.69	4.70	4.75	306706.7	48.536852			4
4.69	4.72	4.75	766915.8	121.365718			4
+ 4.69	4.74	4.75	237444.8	37.57604			4
+ 4.83	4.85	4.89	615741.6	153.158427			5
4.83	4.86	4.89	268667.3	66.827808			5
+ 4.83	4.88	4.89	944558.7	234.947785			5
4.91	4.93	4.97	149344.4	25.552037			6
+ 4.91	4.97	4.97	643220.7	110.05166			6

Height Summation: 1637827.12
Amount Avg CF: 45.561345 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
					6	59.32	
+ 4.61	4.61	4.67	191159.7	32.953455			1
4.61	4.64	4.67	336824.3	58.064145			1
+ 4.61	4.66	4.67	450889	77.727422			1
+ 4.76	4.76	4.82	273789.2	37.5988			2
4.76	4.80	4.82	262287.5	36.0193			2
4.91	4.93	4.97	149344.4	19.071763			3
+ 4.91	4.97	4.97	643220.7	82.141366			3
5.08	5.11	5.14	353595.8	90.261496			4
+ 5.08	5.12	5.14	79544.79	20.305195			4
+ 5.08	5.14	5.14	197782.2	50.487357			4
5.23	5.26	5.29	453572.2	43.556842			5
+ 5.23	5.29	5.29	1173151	112.658475			5
+ 5.38	5.39	5.44	115053.1	18.423013			6
5.38	5.40	5.44	134525.6	21.54107			6
+ 5.38	5.43	5.44	109745	17.573048			6

Height Summation: 1690149.8
Amount Avg CF: 44.752436 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
					5	176.40	
3.42	3.43	3.46	11287.31	2.532174			1
+ 4.17	4.17	4.21	25097.92	5.88937			2
4.17	4.19	4.21	83343.26	19.55697			2
* 4.38	4.38	4.41	137483.1	12.295623			4
* 4.35	4.38	4.39	137483.1	8.152506			3
4.87	4.88	4.91	944558.7	206.977412			5
+ 4.87	4.91	4.91	501069.1	109.79729			5

Height Summation: 1314155.47
Amount Avg CF: 49.902937 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: TOXA41824E TOXA4YY ID: YY **Batchnumber:** 1831699999
Sample Amount: 1 **Total Volume:** 1 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 02:58:08
 Instrument : CP35--24952A
 Result file : 35PEST18271026.073.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTDI.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
					5	16.66	
4.35	4.37	4.39	1240284	484.531457			1
+ 4.35	4.39	4.39	526947.2	205.858089			1
4.40	4.42	4.44	1590777	671.431502			2
4.57	4.58	4.61	1191276	516.196219			3
+ 4.57	4.60	4.61	695012.9	301.158616			3
4.78	4.80	4.82	1101795	654.538229			4
4.85	4.87	4.89	1462761	481.953777			5

Height Summation: 6586893
Amount Avg CF: 561.730237 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 02:58:08
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.073.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDIB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
					5	6.04	
4.70	4.72	4.74	766915.8	472.774716			1
+ 4.70	4.74	4.74	237444.8	146.375779			1
4.86	4.88	4.90	944558.7	503.675433			2
4.99	5.01	5.03	1029163	518.912735			3
5.21	5.22	5.25	718493.8	534.488248			4
5.27	5.29	5.31	1173151	555.092175			5
+ 5.27	5.31	5.31	370085.7	175.111027			5

Height Summation: 4632282.3
Amount Avg CF: 516.988661 Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0	0		31.18	4	40	
Aroclor-1221			0	0		24.04	3	5	
Aroclor-1248			0	0		** 44.31	4	30	
Aroclor-1254			0	0		** 51.06	4	40	
Aroclor-1260			0	0		1.06	4	40	
Chlordane			0.5	0.16		31.25	4	40	
Toxaphene			1	0.3		8.30	4	40	

Units: ug/l

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952A

Date Analyzed: 11/14/18

GC Column (1): DB CLP1 ID: .32 (mm)

Time Analyzed: 3:08

Lab File ID: 35PEST18271026.074.RAW

Initial Calibration: 35PEST1827109

Lab Standard ID: CHLD4EW

Init. Calib Date(s): 11/12/18 11/12/18

Calibration: 35PEST1827109

COMPOUND	RT	RT WINDOW FROM TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Chlordane	2.65	2.64 2.68	106.15	100.20	6
	3.58	3.57 3.61	96.88	100.20	-3
	3.73	3.72 3.76	100.43	100.20	0
	3.80	3.79 3.83	97.47	100.20	-3
	4.42	4.40 4.44	101.17	100.20	1

Compounds 5

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952B

Date Analyzed: 11/14/18

GC Column (2) : DB CLP2 ID: .32 (mm)

Time Analyzed: 3:08

Lab File ID: 35PEST18271026B.074.RAW

Initial Calibration: 35PEST1827109B

Lab Standard ID: CHLD4EW

Init. Calib Date(s): 11/12/18 11/12/18

Calibration: 35PEST1827109B

COMPOUND	RT	RT WINDOW		CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
		FROM	TO			
Chlordane	3.43	3.42	3.46	98.51	100.20	-2
	4.18	4.17	4.21	95.81	100.20	-4
	4.36	4.35	4.39	94.20	100.20	-6
	4.39	4.38	4.42	95.63	100.20	-5
	4.88	4.87	4.91	102.46	100.20	2

Compounds 5

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: CHLD41824D **CHLD4EW ID: EW** **Batchnumber: 1831699999**
Sample Amount: 1 **Total Volume:** 1 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 03:08:37
 Instrument : CP35--24952A
 Result file : 35PEST18271026.074.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTDI.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
2.17	2.19	2.23	610.0625	0.23245	6	169.93	1
+ 2.17	2.21	2.23	1342.118	0.511382			1
2.45	2.48	2.51	4068.617	1.032918			2
+ 2.45	2.50	2.51	666.8403	0.169294			2
E+ 2.64	2.65	2.70	527012.2	227.67417			3
2.64	2.69	2.70	67580.52	29.195413			3
2.83	2.84	2.89	38560.95	5.471287			4
+ 2.91	2.92	2.97	33824.55	8.260619			5
2.91	2.95	2.97	3171.302	0.774494			5
+ 3.03	3.05	3.09	10583.2	3.61532			6
3.03	3.06	3.09	8625.613	2.94659			6
+ 3.03	3.08	3.09	21578.68	7.37148			6
Height Summation:				122617.0645			
Amount Avg CF:				6.608859	Linear:		

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1221							
2.04	2.05	2.08	1338.899	0.840972	3	166.30	1
+ 2.04	2.08	2.08	1814.939	1.139976			1
2.12	2.15	2.16	40819.43	37.320622			2
2.18	2.19	2.22	610.0625	0.181125			3
+ 2.18	2.21	2.22	1342.118	0.398469			3
Height Summation:				42768.3915			
Amount Avg CF:				12.780906	Linear:		

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248							
+ 3.08	3.08	3.14	21578.68	5.766725	6	38.49	1
3.08	3.11	3.14	58602.66	15.661079			1
+* 3.33	3.33	3.39	175891.2	103.712186			3
* 3.30	3.33	3.36	175891.2	35.324306			2
* 3.33	3.35	3.39	61632.06	36.340622			3
+* 3.30	3.35	3.36	61632.06	12.377593			2
+ 3.33	3.38	3.39	62630.81	36.929523			3
+ 3.57	3.58	3.63	423141.4	75.942508			4
* 3.57	3.61	3.63	276720.5	49.663892			4
+* 3.60	3.61	3.66	276720.5	45.473638			5
3.60	3.64	3.66	129096.1	21.214436			5
+ 3.60	3.66	3.66	217151.4	35.684613			5
4.00	4.02	4.06	102406.2	29.810016			6
Height Summation:				804348.72			
Amount Avg CF:				31.335725	Linear:		

Analysis Report (B)

Injected on : Nov 14, 2018 03:08:37
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.074.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDIB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
2.73	2.75	2.79	6841.647	2.862434	5	208.25	1
3.05	3.07	3.11	9516.885	3.306713			2
+ 3.05	3.10	3.11	8647.925	3.004786			2
* 3.52	3.55	3.58	12359.33	2.034826			4
+* 3.55	3.55	3.61	12359.33	3.352892			5
3.55	3.60	3.61	597186.4	162.007287			5
+ 3.64	3.65	3.70	73172.82	25.124491			6
3.64	3.68	3.70	3565.698	1.224312			6

Height Summation: 629469.96
Amount Avg CF: 34.287114 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1221							
2.60	2.63	2.64	500.8299	0.559668	3	93.15	1
2.66	2.70	2.70	475.1202	0.508977			2
2.74	2.75	2.78	6841.647	2.398197			3

Height Summation: 7817.5971
Amount Avg CF: 1.155614 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248							
3.72	3.75	3.78	14551.5	4.224303	6	92.37	1
3.75	3.78	3.81	15143.5	4.683982			2
3.86	3.88	3.92	49559.04	12.243224			3
+ 3.86	3.92	3.92	59655.69	14.737533			3
4.16	4.18	4.22	408320.6	82.630734			4
+ 4.16	4.21	4.22	234248.4	47.404215			4
+ 4.28	4.29	4.34	39991.83	10.746621			5
4.28	4.31	4.34	226719.9	60.924264			5
+ 4.28	4.33	4.34	115684.3	31.086732			5
4.51	4.54	4.57	141340.1	54.326996			6

Height Summation: 855634.64
Amount Avg CF: 36.505584 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
+ 4.14	4.16	4.20	61009.05	12.464573	6	111.43	1
4.14	4.18	4.20	408320.6	83.422738			1
+ 4.28	4.29	4.34	39991.83	6.166216			2
4.28	4.31	4.34	226719.9	34.957235			2
+ 4.28	4.33	4.34	115684.3	17.837002			2
4.51	4.54	4.57	141340.1	17.267663			3
+ 4.69	4.69	4.75	77779.98	12.308813			4
4.69	4.73	4.75	57035.96	9.026037			4
+ 4.83	4.83	4.89	97333.15	24.210468			5
4.83	4.87	4.89	51227.29	12.742181			5
+ 4.83	4.88	4.89	467585.6	116.306378			5
+ 4.91	4.92	4.97	58496.2	10.00839			6
4.91	4.95	4.97	17849.61	3.053974			6

Height Summation: 902493.46
Amount Avg CF: 26.744971 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: CHLD41824D **CHLD4EW ID:** EW **Batchnumber:** 1831699999
Sample Amount: 1 **Total Volume:** 1 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 03:08:37
 Instrument : CP35--24952A
 Result file : 35PEST18271026.074.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTDI.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
					6	188.12	
+ 3.60	3.61	3.66	276720.5	45.289237			1
	3.60	3.64	129096.1	21.128409			1
+ 3.60	3.66	3.66	217151.4	35.539909			1
+ 3.70	3.71	3.76	150383.6	20.547868			2
	3.70	3.73	1755354	239.845186			2
+ 3.70	3.75	3.76	1407835	192.361453			2
+ 3.94	3.95	4.00	39702.84	6.735044			3
	3.94	3.96	34884.09	5.917609			3
+ 3.94	3.99	4.00	187152.5	31.747861			3
+ 4.14	4.15	4.20	22002.7	2.925104			4
	4.14	4.17	62140.78	8.261178			4
	4.35	4.37	98378.29	19.681263			5
+ 4.35	4.39	4.41	61429.06	12.289312			5
	4.42	4.46	25438.12	3.223118			6

Height Summation: 2105291.38
Amount Avg CF: 49.676127 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
					6	83.59	
	4.10	4.12	44816.58	5.402374			1
+ 4.10	4.15	4.16	22002.7	2.652295			1
+ 4.21	4.22	4.27	98378.95	9.941571			2
	4.21	4.25	51417.02	5.195887			2
	4.42	4.46	25438.12	2.609845			3
+ 4.60	4.61	4.66	132636.6	18.983721			4
	4.60	4.64	60040.12	8.593291			4
	4.72	4.74	14200.65	0.907504			5
+ 4.72	4.77	4.78	15740.61	1.005917			5
+ 4.72	4.78	4.78	13193.22	0.843124			5
+ 4.91	4.92	4.97	18368.18	1.552908			6
	4.91	4.96	1667.085	0.140941			6

Height Summation: 197579.575
Amount Avg CF: 3.808307 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
					5	3.68	
	2.64	2.65	527012.2	106.149192			1
	3.57	3.58	423141.4	96.882055			2
	3.72	3.73	1755354	100.426672			3
+ 3.72	3.75	3.76	1407835	80.544542			3
	3.79	3.80	1383699	97.472177			4
	4.40	4.42	674289	101.167845			5

Height Summation: 4763495.6
Amount Avg CF: 100.419588 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
					5	152.21	
	4.35	4.37	98378.29	38.43263			1
+ 4.35	4.39	4.39	61429.06	23.997981			1
	4.40	4.42	674289	284.602352			2
	4.57	4.61	132636.6	57.473257			3
	4.78	4.81	6406.66	3.805975			4
	4.85	4.87	10436.48	3.438635			5

Height Summation: 922147.03
Amount Avg CF: 77.55057 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 03:08:37
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.074.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDIB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
					6	156.36	
+ 4.61	4.63	4.67	17767.26	3.062845			1
	4.61	4.65	34484.52	5.944684			1
	4.76	4.78	4.82	358730.5			2
+ 4.76	4.81	4.82	86335.64	11.856262			2
+ 4.91	4.92	4.97	58496.2	7.470154			3
	4.91	4.95	17849.61	2.279453			3
	5.08	5.10	5.14	26135.12			4
+ 5.08	5.14	5.14	3643.126	0.929971			4
	5.23	5.25	5.29	7713.431			5
+ 5.23	5.28	5.29	3037.235	0.291668			5
	5.38	5.40	5.44	37873.57			6
+ 5.38	5.43	5.44	13939.99	2.232157			6

Height Summation: 482786.751
Amount Avg CF: 11.827407 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
					5	3.36	
	3.42	3.43	3.46	439122.3			1
	4.17	4.18	4.21	408320.6			2
	4.35	4.36	4.39	1588567			3
	4.38	4.39	4.41	1069299			4
+ 4.38	4.41	4.41	1032976	92.382868			4
	4.87	4.88	4.91	467585.6			5

Height Summation: 3972894.5
Amount Avg CF: 97.32348 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
					5	180.26	
	4.70	4.73	4.74	57035.96			1
+ 4.86	4.87	4.90	51227.29	27.316383			2
	4.86	4.88	4.90	467585.6			2
+ 4.99	5.00	5.03	566.0511	0.285408			3
	4.99	5.02	5.03	3352.431			3
	5.21	5.22	5.25	12596.26			4
	5.27	5.28	5.31	3037.235			5
+ 5.27	5.31	5.31	7983.849	3.777666			5

Height Summation: 543607.486
Amount Avg CF: 59.39863 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: CHLD41824D CHLD4EW ID: EW **Batchnumber:** 1831699999
Sample Amount: 1 **Total Volume:** 1 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 03:08:37
 Instrument : CP35--24952A
 Result file : 35PEST18271026.074.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTDI.MET

Analysis Report (B)

Injected on : Nov 14, 2018 03:08:37
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.074.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDIB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0	0	E	** 135.36	4	40	
Aroclor-1221			0	0		** 166.83	3	5	
Aroclor-1248			0	0		15.24	4	30	
Aroclor-1254			0	0		** 60.01	4	40	
Aroclor-1260			0	0		** 102.57	4	40	
Chlordane			0.5	0.16		3.13	4	40	
Toxaphene			1	0.3		26.51	4	40	

Units: ug/l

Eurofins Lancaster Laboratories-Single Component Data Summary

Sample Name: IBLKX1824B **PIBLKST ID:** ST **Batchnumber:** 1831699999
Sample Amount: 1000 **Total Volume:** 10 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 03:40:08
 Instrument : CP35-24952A
 Result file : 35PEST18271026.077.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

%SSR(TCX) : 112% (29-129) Conc.: 0.224673
 %SSR(DCB) : 120% (32-149) Conc.: 0.240919

Peak name	Min	R.T.	Max	Height	Amount
TCX	1.79	1.80	1.83	3274658	0.224673
alpha-BHC	2.20	2.21	2.24	1117	0.000051
gamma-BHC	2.49	2.51	2.53	440	0.000023
beta-BHC	2.69	2.72	2.73	6825	-0.000878
Heptachlor	2.79	2.82	2.83	2052	0.000138
delta-BHC	2.94	2.96	2.98	1017	0.000057
Aldrin	3.07	3.09	3.11	852	0.000050
Telodrin	3.18	3.20	3.22	8621	-0.000727
Hept. epoxide	3.54	3.57	3.58	798	0.000048
o,p-DDE	3.73	3.74	3.77	714	-0.004701
g. Chlordane	3.73	3.76	3.77	747	0.000040
a. Chlordane	3.79	3.81	3.83	967	0.000052
Endosulfan I	3.82	3.84	3.86	1262	0.000072
4,4'-DDE	3.94	3.95	3.98	13615	0.000719
Dieldrin	4.02	4.03	4.06	797	0.000042
o,p-DDD	4.07	4.10	4.11	568	-0.003772
Endrin	4.22	4.23	4.26	14740	0.000865
o,p-DDT	4.25	4.27	4.29	3318	-0.002503
4,4'-DDD	4.30	4.32	4.34	826	-0.002732
4,4'-DDT	4.47	4.47	4.51	16153	0.001350
Endrin aldehyde	4.52	4.54	4.56	1279	0.000086
Endo. sulfate	4.63	4.65	4.67	1621	0.000941
Methoxychlor	4.84	4.87	4.88	20968	0.031045
Endrin ketone	4.95	4.98	4.99	2415	-0.001723
Mirex	5.03	5.04	5.06	11792	0.000904
DCB	5.49	5.51	5.55	4021954	0.240919

Analysis Report (B)

Injected on : Nov 14, 2018 03:40:08
 Instrument : CP35-24952B
 Result file : 35PEST18271026B.077.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDDB.MET

%SSR(TCX) : 110% (29-129) Conc.: 0.221242
 %SSR(DCB) : 129% (32-149) Conc.: 0.257408

Peak name	Min	R.T.	Max	Height	Amount
TCX	2.42	2.43	2.46	2703690	0.221242
alpha-BHC	2.76	2.77	2.80	664	0.000040
gamma-BHC	3.06	3.10	3.10	495	0.000035
beta-BHC	3.31	3.31	3.35	363	-0.002252
delta-BHC	3.53	3.55	3.57	1202	0.000074
Heptachlor	3.58	3.61	3.62	677	0.000048
Aldrin	3.83	3.84	3.87	412	0.000027
Telodrin	3.92	3.94	3.96	501	-0.002178
Hept. epoxide	4.13	4.14	4.17	347	-0.002471
o,p-DDE	4.24	4.27	4.28	492	-0.005400
a. Chlordane	4.37	4.39	4.41	587	-0.001877
4,4'-DDE	4.46	4.46	4.50	400	0.000027
o,p-DDD	4.52	4.54	4.56	1101	-0.005169
Dieldrin	4.55	4.57	4.59	683	0.000048
o,p-DDT	4.70	4.71	4.74	5402	-0.004509
4,4'-DDD	4.75	4.77	4.79	1014	-0.002481
Endosulfan II	4.83	4.84	4.86	1173	-0.002546
Endrin aldehyde	4.89	4.90	4.93	5350	-0.001341
4,4'-DDT	4.92	4.94	4.96	852	0.000080
Endo. sulfate	5.04	5.05	5.07	1493	-0.002208
Methoxychlor	5.14	5.18	5.18	946	0.000167
Endrin ketone	5.26	5.27	5.30	1593	-0.002334
Mirex	5.53	5.55	5.57	3964	-0.017344
DCB	6.05	6.07	6.11	1784259	0.257408

Summary Report

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
<input type="checkbox"/> TCX	A	0.224673				1.54	
<input checked="" type="checkbox"/> HCB			<0.01	<0.003			
<input checked="" type="checkbox"/> alpha-BHC	A	0.000051	<0.01	<0.003		23.46	
<input checked="" type="checkbox"/> gamma-BHC	B	0.000035	<0.01	<0.002		39.19	
<input checked="" type="checkbox"/> beta-BHC			<0.01	<0.0034			
<input checked="" type="checkbox"/> Heptachlor	B	0.000048	<0.01	<0.002		96.59	**
<input checked="" type="checkbox"/> delta-BHC	B	0.000074	<0.01	<0.0034		25.73	
<input checked="" type="checkbox"/> Aldrin	B	0.000027	<0.01	<0.002		60.13	**
<input checked="" type="checkbox"/> Telodrin			<0.01	<0.0036			
<input checked="" type="checkbox"/> Hept. epoxide			<0.01	<0.0023			
<input checked="" type="checkbox"/> o,p-DDE			<0.02	<0.007			
<input checked="" type="checkbox"/> g. Chlordane			<0.02	<0.007			
<input checked="" type="checkbox"/> a. Chlordane			<0.01	<0.003			
<input checked="" type="checkbox"/> Endosulfan I			<0.01	<0.0043			
<input checked="" type="checkbox"/> 4,4'-DDE	B	0.000027	<0.02	<0.005		185.56	**
<input checked="" type="checkbox"/> Dieldrin	B	0.000048	<0.02	<0.0053		14.05	

%RPD = High - Low Amount divided by the Average times 100

Higher Amount Found unless RPD > 40

** %Difference > 40, lower amount found reported

* Recovery outside QC Limits

Eurofins Lancaster Laboratories-Single Component Data Summary

Sample Name: IBLKX1824B PIBLKST ID: ST **Batchnumber:** 1831699999
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2306 SDG: State:
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 03:40:08
 Instrument : CP35-24952A
 Result file : 35PEST18271026.077.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Analysis Report (B)

Injected on : Nov 14, 2018 03:40:08
 Instrument : CP35-24952B
 Result file : 35PEST18271026B.077.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDDB.MET

Summary Report

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
<input checked="" type="checkbox"/> o,p-DDD			<0.02	<0.005			
<input checked="" type="checkbox"/> Endrin			<0.02	<0.0081			
<input checked="" type="checkbox"/> o,p-DDT			<0.02	<0.0051			
<input checked="" type="checkbox"/> 4,4'-DDD			<0.02	<0.005			
<input checked="" type="checkbox"/> Endosulfan II			<0.03	<0.015			
<input checked="" type="checkbox"/> 4,4'-DDT	B	0.000080	<0.02	<0.0052		177.69 **	
<input checked="" type="checkbox"/> Endrin aldehyde			<0.1	<0.02			
<input checked="" type="checkbox"/> Endo. sulfate			<0.02	<0.0058			
<input checked="" type="checkbox"/> Methoxychlor	B	0.000167	<0.1	<0.03		197.87 **	
<input checked="" type="checkbox"/> Endrin ketone			<0.02	<0.005			
<input checked="" type="checkbox"/> Mirex			<0.05	<0.01			
<input type="checkbox"/> DCB	B	0.257408				6.62	

Units: ug/l

Reviewed by: DJS 15222
 Date: 11/15/18

Verified by:
 Date: 11/20/18

%RPD = High - Low Amount divided by the Average times 100
 ** %Difference > 40, lower amount found reported
 * Recovery outside QC Limits

Higher Amount Found unless RPD > 40

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX1824B **PIBLKST ID: ST** **Batchnumber:** 1831699999
Sample Amount: 1000 **Total Volume:** 10 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 03:40:08
 Instrument : CP35-24952A
 Result file : 35PEST18271026.077.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : 112% (29-129) Conc.: 0.224673
 %SSR(DCB) : 120% (32-149) Conc.: 0.240919

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
2.17	2.18	2.23	9143.031	0.034837	6	151.26	1
+ 2.17	2.21	2.23	1117.376	0.004257			1
+ 2.45	2.46	2.51	781.537	0.001984			2
+ 2.45	2.46	2.51	638.2873	0.00162			2
2.45	2.48	2.51	713.5974	0.001812			2
+ 2.45	2.49	2.51	839.4853	0.002131			2
2.64	2.67	2.70	16388	0.070798			2
2.83	2.87	2.89	821.6697	0.001166			3
+ 2.91	2.92	2.97	1178.421	0.002878			4
2.91	2.96	2.97	1017.195	0.002484			5
+ 3.03	3.04	3.09	1007.653	0.003442			6
3.03	3.06	3.09	708.1836	0.002419			6
+ 3.03	3.09	3.09	852.1979	0.002911			6

Height Summation: 28791.6767
Amount Avg CF: 0.018919 Linear:

Aroclor-1221							
2.04	2.04	2.08	47804.21	0.300262	3	145.46	1
2.12	2.14	2.16	992.1325	0.009071			2
2.18	2.18	2.22	9143.031	0.027145			3
+ 2.18	2.21	2.22	1117.376	0.003317			3

Height Summation: 57939.3735
Amount Avg CF: 0.112159 Linear:

Aroclor-1248							
+ 3.08	3.09	3.14	852.1979	0.002277	6	137.98	1
3.08	3.10	3.14	908.8386	0.002429			1
+ 3.08	3.13	3.14	939.0983	0.00251			1
+* 3.33	3.33	3.39	900.2559	0.005308			3
* 3.30	3.33	3.36	900.2559	0.001808			2
+* 3.33	3.34	3.39	954.2087	0.005626			3
+* 3.30	3.34	3.36	954.2087	0.001916			2
+* 3.33	3.35	3.39	856.9542	0.005053			3
+* 3.30	3.35	3.36	856.9542	0.001721			2
* 3.33	3.36	3.39	714.4865	0.004213			3
+* 3.30	3.36	3.36	714.4865	0.001435			2
+ 3.33	3.37	3.39	880.4688	0.005192			3
+ 3.33	3.39	3.39	596.5029	0.003517			3
+ 3.57	3.58	3.63	727.6143	0.001306			4
+* 3.60	3.61	3.66	12039.27	0.019784			5
* 3.57	3.61	3.63	12039.27	0.021607			4
3.60	3.65	3.66	1070.167	0.001759			5
4.00	4.03	4.06	796.504	0.002319			6

Height Summation: 16429.522
Amount Avg CF: 0.005689 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 03:40:08
 Instrument : CP35-24952B
 Result file : 35PEST18271026B.077.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : 110% (29-129) Conc.: 0.221242
 %SSR(DCB) : 129% (32-149) Conc.: 0.257408

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
2.73	2.77	2.79	664.2167	0.002779	5	30.52	1
+ 3.05	3.06	3.11	871.3239	0.003027			2
3.05	3.10	3.11	494.7046	0.001719			2
3.23	3.27	3.29	696.0063	0.003238			3
+ 3.52	3.53	3.58	849.9487	0.001399			4
+* 3.55	3.55	3.61	1201.522	0.00326			5
* 3.52	3.55	3.58	1201.522	0.001978			4
* 3.55	3.58	3.61	618.6652	0.001678			5
+* 3.52	3.58	3.58	618.6652	0.001019			4

Height Summation: 3675.1148
Amount Avg CF: 0.002278 Linear:

Aroclor-1221							
+ 2.60	2.60	2.64	628.5714	0.007024	2	54.30	1
2.60	2.61	2.64	468.096	0.005231			1
2.74	2.77	2.78	664.2167	0.002328			3

Height Summation: 1132.3127
Amount Avg CF: 0.00378 Linear:

Aroclor-1248							
+* 3.75	3.75	3.81	547.1094	0.001692	6	61.65	2
* 3.72	3.75	3.78	547.1094	0.001588			1
3.75	3.78	3.81	498.4375	0.001542			2
3.86	3.87	3.92	586.6671	0.001449			3
4.16	4.17	4.22	586.343	0.001187			4
+ 4.16	4.21	4.22	553.7898	0.001121			4
4.28	4.32	4.34	482.6166	0.001297			5
+ 4.28	4.34	4.34	2663.335	0.007157			5
4.51	4.54	4.57	1100.784	0.004231			6
+ 4.51	4.56	4.57	656.4501	0.002523			6
+ 4.51	4.57	4.57	683.4375	0.002627			6

Height Summation: 3801.9576
Amount Avg CF: 0.001882 Linear:

Aroclor-1254							
4.14	4.17	4.20	586.343	0.001198	6	117.83	1
4.28	4.32	4.34	482.6166	0.000744			2
+ 4.28	4.34	4.34	2663.335	0.004107			2
4.51	4.54	4.57	1100.784	0.001345			3
+ 4.51	4.56	4.57	656.4501	0.000802			3
+ 4.51	4.57	4.57	683.4375	0.000835			3
4.69	4.71	4.75	5401.576	0.008548			4
+ 4.83	4.84	4.89	1172.85	0.002917			5
4.83	4.86	4.89	742.3495	0.001847			5
+ 4.91	4.92	4.97	3316.665	0.005675			6
4.91	4.94	4.97	852.4335	0.001458			6
+ 4.91	4.97	4.97	429.4562	0.000735			6

Height Summation: 9166.1026
Amount Avg CF: 0.002523 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX1824B

Sample Amount: 1000

Analyses: 00177

Total Volume: 10

PIBLKST ID: ST

ml Analyst: 2306

Batchnumber: 1831699999

SDG:

State:

Analysis Report (A)

Injected on : Nov 14, 2018 03:40:08
 Instrument : CP35--24952A
 Result file : 35PEST18271026.077.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
3.60	3.61	3.66	12039.27	0.019704	6	97.65	1
+ 3.60	3.65	3.66	1070.167	0.001751			1
+ 3.70	3.71	3.76	598.3589	0.000818			2
+ 3.70	3.72	3.76	670.9852	0.000917			2
3.70	3.74	3.76	713.5098	0.000975			2
3.94	3.95	4.00	13615.02	0.023096			3
+ 3.94	3.99	4.00	1837.379	0.003117			3
4.14	4.16	4.20	1062.694	0.001413			4
+ 4.14	4.18	4.20	972.2892	0.001293			4
+ 4.35	4.35	4.41	1200.829	0.002402			5
4.35	4.37	4.41	6640.057	0.013284			5
+ 4.35	4.38	4.41	6925.129	0.013854			5
4.42	4.43	4.48	1859.161	0.002356			6
+ 4.42	4.47	4.48	16152.5	0.020466			6

Height Summation: **35929.7118**
 Amount Avg CF: **0.010138** Linear:

Aroclor-1260

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
4.10	4.13	4.16	643.0208	0.000775	6	158.87	1
+ 4.10	4.16	4.16	1062.694	0.001281			1
+ 4.21	4.21	4.27	1070.036	0.001081			2
4.21	4.23	4.27	14740.35	0.014896			2
4.42	4.43	4.48	1859.161	0.001907			3
+ 4.42	4.47	4.48	16152.5	0.016572			3
+ 4.60	4.61	4.66	880.1858	0.00126			4
4.60	4.63	4.66	868.6722	0.001243			4
+ 4.60	4.65	4.66	1620.749	0.00232			4
4.72	4.75	4.78	1814.352	0.001159			5
+ 4.72	4.78	4.78	2902.761	0.001855			5
+ 4.91	4.92	4.97	1263.628	0.001068			6
4.91	4.94	4.97	1322.897	0.001118			6
+ 4.91	4.96	4.97	1919.812	0.001623			6

Height Summation: **21248.453**
 Amount Avg CF: **0.003517** Linear:

Chlordane

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
+ 2.64	2.64	2.68	1313.228	0.002645	5	183.81	1
2.64	2.67	2.68	16388	0.033008			1
+ 3.57	3.57	3.61	798.4476	0.001828			2
3.57	3.58	3.61	727.6143	0.001666			2
+ 3.72	3.72	3.76	670.9852	0.000384			3
3.72	3.74	3.76	713.5098	0.000408			3
3.79	3.81	3.83	966.5179	0.000681			4
+ 3.79	3.82	3.83	1173.536	0.000827			4
4.40	4.43	4.44	1859.161	0.002789			5

Height Summation: **20654.803**
 Amount Avg CF: **0.007711** Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 03:40:08
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.077.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
4.61	4.64	4.67	3547.134	0.006115	6	76.91	1
4.76	4.77	4.82	1013.66	0.001392			2
+ 4.76	4.81	4.82	1907.38	0.002619			2
+ 4.91	4.92	4.97	3316.665	0.004235			3
4.91	4.94	4.97	852.4335	0.001089			3
+ 4.91	4.97	4.97	429.4562	0.000548			3
+ 5.08	5.10	5.14	611.5057	0.001561			4
5.08	5.11	5.14	655.553	0.001673			4
+ 5.08	5.13	5.14	6099.795	0.015571			4
+ 5.23	5.25	5.29	3167.965	0.003042			5
5.23	5.27	5.29	1592.504	0.001529			5
5.38	5.41	5.44	1954.261	0.003129			6

Height Summation: **9615.5455**
 Amount Avg CF: **0.002488** Linear:

Chlordane

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
3.42	3.45	3.46	2655.198	0.005957	4	104.98	1
4.17	4.17	4.21	586.343	0.001376			2
4.38	4.39	4.41	587.0798	0.000525			4
4.87	4.90	4.91	5349.729	0.011723			5

Height Summation: **9178.3498**
 Amount Avg CF: **0.004895** Linear:

Toxaphene

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
4.70	4.71	4.74	5401.576	0.033299	5	61.44	1
4.86	4.90	4.90	5349.729	0.028527			2
4.99	5.03	5.03	721.2351	0.003637			3
+ 5.21	5.21	5.25	1261.344	0.009383			4
5.21	5.21	5.25	1471.887	0.010949			4
5.27	5.30	5.31	5745.121	0.027184			5

Height Summation: **18689.5481**
 Amount Avg CF: **0.020719** Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX1824B PIBLKST ID: ST **Batchnumber:** 1831699999
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2306 SDG: State:
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 03:40:08
 Instrument : CP35--24952A
 Result file : 35PEST18271026.077.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Analysis Report (B)

Injected on : Nov 14, 2018 03:40:08
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.077.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDDB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
					5	120.28	
+ 4.35	4.35	4.39	1200.829	0.004691			1
4.35	4.37	4.39	6640.057	0.02594			1
+ 4.35	4.38	4.39	6925.129	0.027054			1
4.40	4.43	4.44	1859.161	0.007847			2
4.57	4.57	4.61	387.9285	0.001681			3
4.78	4.80	4.82	1572.81	0.009344			4
+ 4.78	4.82	4.82	3125.799	0.018569			4
4.85	4.87	4.89	20967.99	0.069086			5

Height Summation: 31427.9465
Amount Avg CF: 0.02278 Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0	0		** 157.01	4	40	
Aroclor-1221			0	0		** 186.96	3	5	
Aroclor-1248			0	0		** 100.56	4	30	
Aroclor-1254			0	0		** 120.28	4	40	
Aroclor-1260			0	0		34.26	4	40	
Chlordane			0.5	0.16		** 44.67	4	40	
Toxaphene			1	0.3		9.47	4	40	

Units: ug/l

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952A

Date Analyzed: 11/14/18

GC Column (1): DB CLP1 ID: .32 (mm)

Time Analyzed: 3:50

Lab File ID: 35PEST18271026.078.RAW

Initial Calibration: 35PEST1827109

Lab Standard ID: PEMMY

Init. Calib Date(s): 11/12/18 11/12/18

Calibration: 35PEST1827109

COMPOUND	RT	RT WINDOW FROM TO	CALC AMOUNT (ng/ml)	NOM AMOUNT (ng/ml)	%D
Tetrachloro-m-xylene	1.80	1.79 1.83	22.62	20.10	13
alpha-BHC	2.21	2.20 2.24	10.88	10.00	9
gamma-BHC (Lindane)	2.50	2.49 2.53	10.76	10.00	8
beta-BHC	2.70	2.69 2.73	10.39	10.00	4
4,4'-DDE	3.95	3.94 3.98	0.37		
Endrin	4.23	4.22 4.26	55.53	50.10	11
4,4'-DDD	4.32	4.30 4.34	2.03		
4,4'-DDT	4.48	4.47 4.51	132.22	100.40	32
Endrin aldehyde	4.53	4.52 4.56	0.17		
Methoxychlor	4.85	4.84 4.88	317.12	250.90	26
Endrin ketone	4.97	4.95 4.99	0.89		
Decachlorobiphenyl	5.51	5.49 5.55	25.64	20.00	28

4,4'-DDT % breakdown: 3

Endrin % breakdown: 2

Combined % breakdown: 4.8

Compounds 12

7D

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952B

Date Analyzed: 11/14/18

GC Column (2) : DB CLP2 ID: .32 (mm)

Time Analyzed: 3:50

Lab File ID: 35PEST18271026B.078.RAW

Initial Calibration: 35PEST1827109B

Lab Standard ID: PEMMY

Init. Calib Date(s): 11/12/18 11/12/18

Calibration: 35PEST1827109B

COMPOUND	RT	RT WINDOW FROM TO	CALC AMOUNT (ng/ml)	NOM AMOUNT (ng/ml)	%D
Tetrachloro-m-xylene	2.44	2.42 2.46	21.80	20.10	8
alpha-BHC	2.78	2.76 2.80	10.23	10.00	2
gamma-BHC (Lindane)	3.08	3.06 3.10	9.87	10.00	-1
beta-BHC	3.32	3.31 3.35	10.05	10.00	1
4,4'-DDE	4.47	4.46 4.50	0.36		
Endrin	4.70	4.69 4.71	54.92	50.10	10
4,4'-DDD	4.77	4.75 4.79	1.82		
Endrin aldehyde	4.90	4.89 4.93	0.000		
4,4'-DDT	4.94	4.92 4.96	106.91	100.40	6
Methoxychlor	5.16	5.14 5.18	252.51	250.90	1
Endrin ketone	5.27	5.26 5.30	0.89		
Decachlorobiphenyl	6.07	6.05 6.11	26.18	20.00	31

4,4'-DDT % breakdown: 3

Endrin % breakdown: 2

Combined % breakdown: 4.7

Compounds 12

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952A

Date Analyzed: 11/14/18

GC Column (1): DB CLP1

ID: .32 (mm)

Time Analyzed: 4:01

Lab File ID: 35PEST18271026.079.RAW

Initial Calibration: 35PEST1827109

Lab Standard ID: MIXA3EX

Init. Calib Date(s): 11/12/18

11/12/18

Calibration: 35PEST1827109

COMPOUND	RT	RT WINDOW FROM TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	1.80	1.79 1.83	20.78	20.03	4
alpha-BHC	2.21	2.20 2.24	5.22	5.00	4
gamma-BHC (Lindane)	2.50	2.49 2.53	5.27	5.00	5
beta-BHC	2.70	2.69 2.73	5.41	5.00	8
Heptachlor	2.81	2.79 2.83	5.37	5.06	6
delta-BHC	2.96	2.94 2.98	5.26	5.00	5
Aldrin	3.09	3.07 3.11	5.11	5.06	1
Heptachlor epoxide	3.55	3.54 3.58	5.09	5.06	1
gamma-Chlordane	3.73	3.73 3.77	4.96	5.06	-2
alpha-Chlordane	3.80	3.79 3.83	5.04	5.06	0
Endosulfan I	3.84	3.82 3.86	4.92	5.06	-3
4,4'-DDE	3.95	3.94 3.98	10.14	10.06	1
Dieldrin	4.03	4.02 4.06	10.36	10.06	3
Endrin	4.23	4.22 4.26	10.43	10.00	4
4,4'-DDD	4.32	4.30 4.34	10.54	10.00	5
Endosulfan II	4.40	4.39 4.43	10.20	10.06	1
4,4'-DDT	4.48	4.47 4.51	11.72	10.00	17
Endrin aldehyde	4.53	4.52 4.56	9.86	10.00	-1
Endosulfan sulfate	4.65	4.63 4.67	11.02	9.88	12
Methoxychlor	4.85	4.84 4.88	58.72	50.13	17
Endrin ketone	4.97	4.95 4.99	11.22	10.00	12
Decachlorobiphenyl	5.51	5.49 5.55	22.67	20.02	13

Compounds 22

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952B

Date Analyzed: 11/14/18

GC Column (2): DB CLP2 ID: .32 (mm)

Time Analyzed: 4:01

Lab File ID: 35PEST18271026B.079.RAW

Initial Calibration: 35PEST1827109B

Lab Standard ID: MIXA3EX

Init. Calib Date(s): 11/12/18 11/12/18

Calibration: 35PEST1827109B

COMPOUND	RT	RT WINDOW FROM TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.44	2.42 2.46	19.82	20.03	-1
alpha-BHC	2.78	2.76 2.80	4.86	5.00	-3
gamma-BHC (Lindane)	3.08	3.06 3.10	4.77	5.00	-5
beta-BHC	3.33	3.31 3.35	5.04	5.00	1
delta-BHC	3.55	3.53 3.57	4.81	5.00	-4
Heptachlor	3.60	3.58 3.62	4.72	5.06	-7
Aldrin	3.85	3.83 3.87	4.67	5.06	-8
Heptachlor epoxide	4.15	4.13 4.17	5.23	5.06	3
gamma-Chlordane	4.36	4.34 4.38	4.93	5.06	-3
alpha-Chlordane	4.39	4.37 4.41	4.95	5.06	-2
Endosulfan I	4.41	4.39 4.43	4.98	5.06	-2
4,4'-DDE	4.48	4.46 4.50	9.61	10.06	-4
Dieldrin	4.57	4.55 4.59	9.76	10.06	-3
Endrin	4.70	4.69 4.71	9.83	10.00	-2
4,4'-DDD	4.77	4.75 4.79	9.66	10.00	-3
Endosulfan II	4.85	4.83 4.87	10.03	10.06	0
Endrin aldehyde	4.90	4.89 4.93	10.04	10.00	0
4,4'-DDT	4.94	4.92 4.96	10.24	10.00	2
Endosulfan sulfate	5.05	5.04 5.08	10.49	9.88	6
Methoxychlor	5.16	5.14 5.18	50.58	50.13	1
Endrin ketone	5.27	5.26 5.30	10.76	10.00	8
Decachlorobiphenyl	6.07	6.05 6.11	24.12	20.02	20

Compounds 22

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952A

Date Analyzed: 11/14/18

GC Column (1): DB CLP1 ID: .32 (mm)

Time Analyzed: 4:11

Lab File ID: 35PEST18271026.080.RAW

Initial Calibration: 35PEST1827109

Lab Standard ID: TOXA4ZC

Init. Calib Date(s): 11/12/18 11/12/18

Calibration: 35PEST1827109

COMPOUND	RT	RT WINDOW		CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
		FROM	TO			
Toxaphene	4.37	4.35	4.39	471.33	504.25	-7
	4.42	4.40	4.44	634.20	504.25	26
	4.58	4.57	4.61	490.89	504.25	-3
	4.80	4.78	4.82	634.83	504.25	26
	4.87	4.85	4.89	458.88	504.25	-9

Compounds 5

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952B

Date Analyzed: 11/14/18

GC Column (2) : DB CLP2 ID: .32 (mm)

Time Analyzed: 4:11

Lab File ID: 35PEST18271026B.080.RAW

Initial Calibration: 35PEST1827109B

Lab Standard ID: TOXA4ZC

Init. Calib Date(s): 11/12/18 11/12/18

Calibration: 35PEST1827109B

COMPOUND	RT	RT WINDOW FROM TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Toxaphene	4.72	4.70 4.74	462.80	504.25	-8
	4.88	4.86 4.90	499.89	504.25	-1
	5.01	4.99 5.03	490.24	504.25	-3
	5.22	5.21 5.25	519.21	504.25	3
	5.29	5.27 5.31	537.25	504.25	7

Compounds 5

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: TOXA41824E **TOXA4ZC ID:** ZC **Batchnumber:** 1831699999
Sample Amount: 1 **Total Volume:** 1 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 04:11:33
 Instrument : CP35-24952A
 Result file : 35PEST18271026.080.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTDI.MET

Analysis Report (B)

Injected on : Nov 14, 2018 04:11:33
 Instrument : CP35-24952B
 Result file : 35PEST18271026B.080.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDIB.MET

Min	R.T	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
2.17	2.19	2.23	812.5975	0.309621	6	63.72	1
+ 2.17	2.21	2.23	4039.691	1.539229			1
2.45	2.47	2.51	8493.06	2.156171			2
+ 2.45	2.49	2.51	3658.677	0.928845			2
2.64	2.68	2.70	8581.063	3.707099			3
+ 2.64	2.70	2.70	5581.618	2.411311			3
+ 2.83	2.83	2.89	9669.794	1.372016			4
2.83	2.86	2.89	8137.186	1.154559			4
+ 2.83	2.88	2.89	3033.165	0.430366			4
+ 2.91	2.92	2.97	9931.934	2.425573			5
2.91	2.96	2.97	9797.232	2.392676			5
3.03	3.04	3.09	12344.12	4.216867			6

Height Summation: 48165.2585
Amount Avg CF: 2.322832 Linear:

Min	R.T	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1221							
2.04	2.05	2.08	1700.742	1.068248	2	89.31	1
2.18	2.19	2.22	812.5975	0.241257			3
+ 2.18	2.21	2.22	4039.691	1.199367			3

Height Summation: 2513.3395
Amount Avg CF: 0.654753 Linear:

Min	R.T	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248							
3.08	3.10	3.14	21451.65	5.732777	6	121.33	1
+ 3.08	3.13	3.14	109346.9	29.222059			1
+ 3.30	3.31	3.36	19181.47	3.852223			2
+* 3.33	3.34	3.39	77505.27	45.700075			3
* 3.30	3.34	3.36	77505.27	15.565417			2
3.33	3.37	3.39	171786.2	101.291721			3
3.57	3.60	3.63	53461.88	9.59497			4
3.60	3.65	3.66	43131.53	7.087829			5
+ 4.00	4.01	4.06	493891.2	143.769662			6
4.00	4.03	4.06	402530.8	117.175032			6
+ 4.00	4.04	4.06	487340.8	141.862868			6

Height Summation: 769867.33
Amount Avg CF: 42.741291 Linear:

Min	R.T	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
2.73	2.74	2.79	575.9216	0.240956	6	94.64	1
+ 2.73	2.78	2.79	1743.14	0.729302			1
+ 3.05	3.06	3.11	1107.155	0.384689			2
3.05	3.10	3.11	857.7344	0.298026			2
3.23	3.24	3.29	5153.295	2.397428			3
3.52	3.54	3.58	3055.302	0.503021			4
+* 3.52	3.58	3.58	5406.48	0.890117			4
* 3.55	3.58	3.61	5406.48	1.466693			5
+ 3.55	3.60	3.61	7746.294	2.101448			5
3.64	3.66	3.70	10218.41	3.508575			6
+ 3.64	3.68	3.70	3501.88	1.202399			6

Height Summation: 25267.143
Amount Avg CF: 1.40245 Linear:

Min	R.T	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1221							
2.60	2.61	2.64	817.3295	0.91335	3	84.50	1
2.66	2.68	2.70	1760.05	1.885472			2
+ 2.66	2.70	2.70	669.4602	0.717166			2
2.74	2.74	2.78	575.9216	0.201877			3

Height Summation: 3153.3011
Amount Avg CF: 1.000233 Linear:

Min	R.T	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248							
+ 3.72	3.72	3.78	12277.21	3.564077	6	146.93	1
* 3.72	3.77	3.78	12045.16	3.496712			1
* 3.75	3.77	3.81	12045.16	3.725645			2
3.86	3.89	3.92	1909.59	0.471751			3
+ 3.86	3.91	3.92	32913	8.130933			3
4.16	4.19	4.22	79607.91	16.110037			4
+ 4.16	4.22	4.22	2363.842	0.478364			4
4.28	4.30	4.34	190548.6	51.204297			5
+ 4.28	4.32	4.34	61909.89	16.636451			5
+ 4.51	4.53	4.57	272753.1	104.838305			6
4.51	4.55	4.57	330431.2	127.008078			6
+ 4.51	4.56	4.57	287444	110.485057			6

Height Summation: 626587.62
Amount Avg CF: 33.66942 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: TOXA41824E **TOXA4ZC ID:** ZC **Batchnumber:** 1831699999
Sample Amount: 1 **Total Volume:** 1 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 04:11:33
 Instrument : CP35--24952A
 Result file : 35PEST18271026.080.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTDI.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
6 116.46							
+ 3.60	3.60	3.66	53461.88	8.749795			1
3.60	3.65	3.66	43131.53	7.059087			1
+ 3.70	3.71	3.76	215502.4	29.445464			2
3.70	3.73	3.76	113315.9	15.483072			2
3.94	3.97	4.00	267057.2	45.302601			3
+ 3.94	3.99	4.00	467144.4	79.244657			3
+ 4.14	4.15	4.20	450962.5	59.952281			4
4.14	4.17	4.20	365535.1	48.595312			4
+ 4.14	4.18	4.20	296338.2	39.396072			4
4.35	4.37	4.41	1206501	241.368942			5
+ 4.35	4.39	4.41	501641.4	100.356862			5
4.42	4.44	4.48	702459.8	89.004632			6
+ 4.42	4.46	4.48	382075.4	48.410571			6

Height Summation: 2698000.53
Amount Avg CF: 74.468941 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
6 65.12							
4.10	4.12	4.16	489414.4	58.996012			1
+ 4.10	4.15	4.16	450962.5	54.360863			1
4.21	4.23	4.27	341467.7	34.506622			2
+ 4.21	4.25	4.27	550667.4	55.647055			2
+ 4.21	4.26	4.27	466866.1	47.178612			2
4.42	4.44	4.48	702459.8	72.069445			3
+ 4.42	4.46	4.48	382075.4	39.199342			3
+ 4.60	4.62	4.66	783699.8	112.167669			4
4.60	4.64	4.66	515565.9	73.790787			4
+ 4.72	4.74	4.78	401392.4	25.651314			5
4.72	4.76	4.78	303669.8	19.40627			5
+ 4.72	4.77	4.78	566022	36.172105			5
+ 4.91	4.92	4.97	113056.7	9.558197			6
+ 4.91	4.94	4.97	38247.08	3.233538			6
4.91	4.95	4.97	61154.68	5.170224			6
+ 4.91	4.97	4.97	324618.4	27.444342			6

Height Summation: 2413732.28
Amount Avg CF: 43.989894 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
4 166.18							
3.57	3.57	3.61	103351.3	23.663216			2
+ 3.57	3.60	3.61	53461.88	12.240581			2
3.72	3.73	3.76	113315.9	6.482988			3
3.79	3.81	3.83	46028.56	3.242399			4
4.40	4.42	4.44	1502570	225.440085			5

Height Summation: 1765265.76
Amount Avg CF: 64.707172 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 04:11:33
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.080.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDIB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
6 89.89							
4.14	4.19	4.20	79607.91	16.26445			1
+ 4.28	4.30	4.34	190548.6	29.380095			2
4.28	4.32	4.34	61909.89	9.545693			2
+ 4.51	4.53	4.57	272753.1	33.322521			3
4.51	4.55	4.57	330431.2	40.369113			3
+ 4.51	4.56	4.57	287444	35.117323			3
+ 4.69	4.69	4.75	216945.1	34.331928			4
+ 4.69	4.70	4.75	299704.8	47.42879			4
4.69	4.72	4.75	750741.6	118.806124			4
+ 4.69	4.74	4.75	226753.4	35.884108			4
+ 4.83	4.85	4.89	612598.2	152.376544			5
4.83	4.86	4.89	251950	62.669577			5
+ 4.83	4.88	4.89	937463.2	233.182863			5
4.91	4.93	4.97	141579.1	24.223435			6
+ 4.91	4.97	4.97	638102.3	109.175929			6

Height Summation: 1616219.7
Amount Avg CF: 45.313065 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
6 58.64							
+ 4.61	4.61	4.67	193630.7	33.379424			1
4.61	4.64	4.67	331570	57.158372			1
+ 4.61	4.66	4.67	436191.1	75.193694			1
+ 4.76	4.76	4.82	266975.6	36.663105			2
4.76	4.80	4.82	262879.6	36.100612			2
4.91	4.93	4.97	141579.1	18.08011			3
+ 4.91	4.97	4.97	638102.3	81.48773			3
5.08	5.11	5.14	336565.9	85.914317			4
+ 5.08	5.12	5.14	82085.29	20.953702			4
+ 5.08	5.14	5.14	198549.2	50.683147			4
5.23	5.26	5.29	429005.5	41.197685			5
+ 5.23	5.29	5.29	1135450	109.038022			5
+ 5.38	5.39	5.44	102325.6	16.385007			6
5.38	5.40	5.44	129628.1	20.756852			6
+ 5.38	5.43	5.44	102878.2	16.473493			6

Height Summation: 1631228.2
Amount Avg CF: 43.201325 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
5 178.23							
3.42	3.43	3.46	11042.03	2.477148			1
4.17	4.19	4.21	79607.91	18.680449			2
+ 4.35	4.35	4.39	90353.75	5.357819			3
* 4.35	4.38	4.39	128292.1	7.607496			3
* 4.38	4.38	4.41	128292.1	11.473637			4
4.87	4.88	4.91	937463.2	205.422603			5
+ 4.87	4.91	4.91	502949.6	110.209356			5

Height Summation: 1284697.34
Amount Avg CF: 49.132267 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: TOXA41824E TOXA4ZC ID: ZC **Batchnumber:** 1831699999
Sample Amount: 1 Total Volume: 1 ml Analyst: 2306 SDG: State:
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 04:11:33
 Instrument : CP35--24952A
 Result file : 35PEST18271026.080.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTDI.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
					5	16.51	
4.35	4.37	4.39	1206501	471.333733			1
+ 4.35	4.39	4.39	501641.4	195.972083			1
4.40	4.42	4.44	1502570	634.201294			2
4.57	4.58	4.61	1132869	490.887666			3
+ 4.57	4.60	4.61	652813.7	282.873124			3
4.78	4.80	4.82	1068622	634.831299			4
4.85	4.87	4.89	1392743	458.884089			5

Height Summation: 6303305
 Amount Avg CF: 538.027616 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 04:11:33
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.080.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDIB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
					5	5.65	
4.70	4.72	4.74	750741.6	462.803931			1
+ 4.70	4.74	4.74	226753.4	139.784934			1
4.86	4.88	4.90	937463.2	499.891837			2
4.99	5.01	5.03	972292.3	490.238044			3
5.21	5.22	5.25	697952.6	519.207629			4
5.27	5.29	5.31	1135450	537.25344			5
+ 5.27	5.31	5.31	361093.4	170.856199			5

Height Summation: 4493899.7
 Amount Avg CF: 501.878976 Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0	0		** 49.41	4	40	
Aroclor-1221			0	0		** 41.75	3	5	
Aroclor-1248			0	0		23.75	4	30	
Aroclor-1254			0	0		** 48.68	4	40	
Aroclor-1260			0	0		1.81	4	40	
Chlordane			0.5	0.16		27.36	4	40	
Toxaphene			1	0.3		6.95	4	40	

Units: ug/l

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952A

Date Analyzed: 11/14/18

GC Column (1): DB CLP1 ID: .32 (mm)

Time Analyzed: 4:22

Lab File ID: 35PEST18271026.081.RAW

Initial Calibration: 35PEST1827109

Lab Standard ID: CHLD4FA

Init. Calib Date(s): 11/12/18 11/12/18

Calibration: 35PEST1827109

COMPOUND	RT	RT WINDOW		CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
		FROM	TO			
Chlordane	2.65	2.64	2.68	101.49	100.20	1
	3.58	3.57	3.61	94.47	100.20	-6
	3.73	3.72	3.76	99.62	100.20	-1
	3.80	3.79	3.83	96.62	100.20	-4
	4.42	4.40	4.44	102.05	100.20	2

Compounds 5

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952B

Date Analyzed: 11/14/18

GC Column (2) : DB CLP2 ID: .32 (mm)

Time Analyzed: 4:22

Lab File ID: 35PEST18271026B.081.RAW

Initial Calibration: 35PEST1827109B

Lab Standard ID: CHLD4FA

Init. Calib Date(s): 11/12/18 11/12/18

Calibration: 35PEST1827109B

COMPOUND	RT	RT WINDOW		CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
		FROM	TO			
Chlordane	3.43	3.42	3.46	91.43	100.20	-9
	4.18	4.17	4.21	94.66	100.20	-6
	4.35	4.35	4.39	97.04	100.20	-3
	4.38	4.38	4.42	94.40	100.20	-6
	4.88	4.87	4.91	102.29	100.20	2

Compounds 5

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: CHLD41824D CHLD4FA ID: FA **Batchnumber:** 1831699999
Sample Amount: 1 **Total Volume:** 1 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 04:22:02
 Instrument : CP35--24952A
 Result file : 35PEST18271026.081.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTDI.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
2.17	2.20	2.23	851.0469	0.324271	6	154.90	1
+ 2.45	2.45	2.51	12825.72	3.256122			2
2.45	2.48	2.51	4352.842	1.105075			2
+ 2.45	2.51	2.51	1000.534	0.25401			2
E+ 2.64	2.65	2.70	503892.3	217.686158			3
2.64	2.69	2.70	66379.79	28.676686			3
+ 2.83	2.84	2.89	39010.54	5.535078			4
2.83	2.87	2.89	4935.842	0.700331			4
2.91	2.93	2.97	34051.73	8.316101			5
+ 2.91	2.96	2.97	4670.209	1.140557			5
+ 3.03	3.05	3.09	11659.86	3.983118			6
3.03	3.06	3.09	10034.24	3.427791			6
+ 3.03	3.08	3.09	21838.43	7.460213			6
<u>Height Summation:</u>			120605.4909				
Amount Avg CF:			7.091709	Linear:			
Aroclor-1221							
2.04	2.06	2.08	2675.729	1.680645	3	160.10	1
+ 2.04	2.08	2.08	1610.696	1.01169			1
2.12	2.16	2.16	39501.99	36.116105			2
2.18	2.20	2.22	851.0469	0.252672			3
<u>Height Summation:</u>			43028.7659				
Amount Avg CF:			12.683141	Linear:			
Aroclor-1248							
+ 3.08	3.08	3.14	21838.43	5.836141	6	37.60	1
3.08	3.11	3.14	57353.18	15.327165			1
* 3.30	3.33	3.36	178592.8	35.86687			2
+* 3.33	3.33	3.39	178592.8	105.305153			3
+* 3.30	3.35	3.36	62236.95	12.499074			2
* 3.33	3.35	3.39	62236.95	36.697289			3
+ 3.33	3.39	3.39	63677.06	37.546433			3
+ 3.57	3.58	3.63	412627.6	74.055563			4
+* 3.60	3.62	3.66	270129.6	44.390551			5
* 3.57	3.62	3.63	270129.6	48.481002			4
3.60	3.64	3.66	132827.7	21.827652			5
+ 3.60	3.66	3.66	217993.8	35.823046			5
4.00	4.03	4.06	101783.7	29.628809			6
<u>Height Summation:</u>			802923.93				
Amount Avg CF:			31.304798	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2018 04:22:02
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.081.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDIB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
2.73	2.74	2.79	6297.055	2.634586	5	207.09	1
3.05	3.07	3.11	10125.39	3.518142			2
+ 3.05	3.10	3.11	8854.395	3.076526			2
* 3.52	3.55	3.58	12539.72	2.064525			4
+* 3.55	3.55	3.61	12539.72	3.401829			5
3.55	3.60	3.61	565057.8	153.291302			5
+ 3.64	3.65	3.70	69215.48	23.765706			6
3.64	3.68	3.70	4134.729	1.419693			6
<u>Height Summation:</u>			598154.694				
Amount Avg CF:			32.58565	Linear:			
Aroclor-1221							
2.60	2.62	2.64	470.5166	0.525793	3	91.95	1
+ 2.60	2.63	2.64	852.6144	0.95278			1
2.66	2.67	2.70	447.2356	0.479106			2
2.74	2.74	2.78	6297.055	2.207301			3
<u>Height Summation:</u>			7214.8072				
Amount Avg CF:			1.070733	Linear:			
Aroclor-1248							
3.72	3.75	3.78	15679.35	4.551718	6	90.76	1
3.75	3.78	3.81	16399.61	5.072505			2
3.86	3.88	3.92	51344.99	12.684431			3
+ 3.86	3.92	3.92	60245.57	14.883258			3
4.16	4.18	4.22	403405.2	81.636018			4
+ 4.16	4.21	4.22	215779	43.666612			4
+ 4.28	4.29	4.34	48251.79	12.966241			5
4.28	4.31	4.34	217997.9	58.580484			5
+ 4.28	4.33	4.34	119961.5	32.236103			5
4.51	4.54	4.57	150355.8	57.792367			6
<u>Height Summation:</u>			855182.85				
Amount Avg CF:			36.719587	Linear:			
Aroclor-1254							
+ 4.14	4.15	4.20	66792.09	13.646088	6	108.69	1
4.14	4.18	4.20	403405.2	82.418488			1
+ 4.28	4.29	4.34	48251.79	7.439793			2
4.28	4.31	4.34	217997.9	33.612417			2
+ 4.28	4.33	4.34	119961.5	18.49649			2
4.51	4.54	4.57	150355.8	18.36912			3
+ 4.69	4.69	4.75	84041.14	13.299652			4
4.69	4.73	4.75	60251.61	9.534919			4
+ 4.83	4.83	4.89	100380.4	24.968435			5
4.83	4.86	4.89	53556.64	13.32158			5
+ 4.83	4.88	4.89	466793.1	116.109253			5
+ 4.91	4.92	4.97	62703.2	10.728186			6
4.91	4.95	4.97	20051.42	3.430692			6
<u>Height Summation:</u>			905618.57				
Amount Avg CF:			26.781202	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: CHLD41824D CHLD4FA ID: FA **Batchnumber:** 1831699999
Sample Amount: 1 Total Volume: 1 ml Analyst: 2306 SDG: State:
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 04:22:02
 Instrument : CP35-24952A
 Result file : 35PEST18271026.081.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTDIM.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
					6	184.48	
+ 3.60	3.62	3.66	270129.6	44.210543			1
	3.60	3.64	132827.7	21.739138			1
+ 3.70	3.71	3.76	146777.8	20.055185			2
	3.70	3.73	1741278	237.921892			2
+ 3.70	3.75	3.76	1352824	184.844951			2
+ 3.94	3.95	4.00	43496.05	7.37851			3
	3.94	3.96	38976.79	6.611879			3
+ 3.94	3.99	4.00	184688.7	31.329911			3
+ 4.14	4.16	4.20	27866.83	3.704698			4
	4.14	4.17	67571.97	8.983216			4
	4.35	4.37	106195.2	21.245091			5
+ 4.35	4.39	4.41	67497	13.503246			5
+ 4.42	4.42	4.48	680196.9	86.183828			6
	4.42	4.46	30230.36	3.830315			6

Height Summation: 2117080.02
Amount Avg CF: 50.055255 Linear:

Aroclor-1260

Aroclor-1260							
					6	78.80	
+ 4.10	4.10	4.16	30214.46	3.642175			1
	4.10	4.12	51020.61	6.150233			1
+ 4.10	4.16	4.16	27866.83	3.359182			1
+ 4.21	4.22	4.27	104903.8	10.600932			2
	4.21	4.25	54198.54	5.476971			2
+ 4.42	4.42	4.48	680196.9	69.785364			3
	4.42	4.46	30230.36	3.101509			3
+ 4.60	4.61	4.66	135031.4	19.326479			4
	4.60	4.64	59238.47	8.478554			4
	4.72	4.74	16864.65	1.077749			5
+ 4.72	4.77	4.78	16523.61	1.055955			5
+ 4.91	4.93	4.97	17003.76	1.437556			6
	4.91	4.96	1294.667	0.109456			6

Height Summation: 212847.297
Amount Avg CF: 4.065745 Linear:

Chlordane

Chlordane							
					5	3.28	
	2.64	2.65	503892.3	101.492453			1
	3.57	3.58	412627.6	94.474825			2
	3.72	3.73	1741278	99.621361			3
+ 3.72	3.75	3.76	1352824	77.397273			3
	3.79	3.80	1371596	96.619603			4
	4.40	4.42	680196.9	102.054245			5

Height Summation: 4709590.8
Amount Avg CF: 98.852497 Linear:

Toxaphene

Toxaphene							
					4	163.08	
	4.35	4.37	106195.2	41.486397			1
	4.40	4.42	680196.9	287.095945			2
+ 4.78	4.78	4.82	14394.3	8.551155			4
	4.78	4.81	6556.753	3.89514			4
	4.85	4.87	8570.826	2.823935			5

Height Summation: 801519.679
Amount Avg CF: 83.825354 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 04:22:02
 Instrument : CP35-24952B
 Result file : 35PEST18271026B.081.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDIB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
					6	157.27	
+ 4.61	4.63	4.67	22969.79	3.959694			1
	4.61	4.65	39733.4	6.849523			1
	4.76	4.78	4.82	385753.4	52.97457		2
+ 4.76	4.81	4.82	86436.41	11.8701			2
+ 4.91	4.92	4.97	62703.2	8.007402			3
	4.91	4.95	20051.42	2.560631			3
	5.08	5.10	5.14	25956.17	6.625765		4
+ 5.08	5.13	5.14	4346.233	1.109452			4
	5.23	5.25	5.29	6875.352	0.660245		5
+ 5.23	5.28	5.29	4316.629	0.414529			5
	5.38	5.40	5.44	39266.21	6.287548		6
+ 5.38	5.43	5.44	12235.02	1.959147			6

Height Summation: 517635.952
Amount Avg CF: 12.659714 Linear:

Chlordane

Chlordane							
					5	4.23	
	3.42	3.43	3.46	407576.3	91.434895		1
	4.17	4.18	4.21	403405.2	94.661325		2
	4.35	4.35	4.39	1636557	97.044954		3
+*	4.35	4.38	4.39	1055513	62.590066		3
*	4.38	4.38	4.41	1055513	94.398435		4
+ 4.38	4.41	4.41	1037143	92.755538			4
	4.87	4.88	4.91	466793.1	102.286525		5

Height Summation: 3969844.6
Amount Avg CF: 95.965227 Linear:

Toxaphene

Toxaphene							
					5	175.44	
	4.70	4.73	4.74	60251.61	37.142849		1
+ 4.86	4.86	4.90	53556.64	28.558483			2
	4.86	4.88	4.90	466793.1	248.912235		2
+ 4.99	5.00	5.03	912.3718	0.460026			3
	4.99	5.02	5.03	4489.738	2.263764		3
	5.21	5.22	5.25	13883.59	10.328016		4
+ 5.27	5.28	5.31	4316.629	2.042471			5
	5.27	5.30	5.31	8649.242	4.092505		5

Height Summation: 554067.28
Amount Avg CF: 60.547874 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: CHLD41824D CHLD4FA ID: FA **Batchnumber:** 1831699999
Sample Amount: 1 Total Volume: 1 ml Analyst: 2306 SDG: State:
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 04:22:02
 Instrument : CP35--24952A
 Result file : 35PEST18271026.081.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTDI.MET

Analysis Report (B)

Injected on : Nov 14, 2018 04:22:02
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.081.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDIB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0	0	E	** 128.51	4	40	
Aroclor-1221			0	0		** 168.86	3	5	
Aroclor-1248			0	0		15.92	4	30	
Aroclor-1254			0	0		** 60.58	4	40	
Aroclor-1260			0	0		** 102.77	4	40	
Chlordane			0.5	0.16		2.96	4	40	
Toxaphene			1	0.3		32.25	4	40	

Units: ug/l

Eurofins Lancaster Laboratories-Single Component Data Summary

Sample Name: IBLKX1824B **PIBLSU ID:** SU **Batchnumber:** 1831699999
Sample Amount: 1000 **Total Volume:** 10 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 06:06:57
 Instrument : CP35-24952A
 Result file : 35PEST18271026.091.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

%SSR(TCX) : 113% (29-129) Conc.: 0.226209
 %SSR(DCB) : 116% (32-149) Conc.: 0.232134

Peak name	Min	R.T.	Max	Height	Amount
TCX	1.79	1.80	1.83	3297044	0.226209
alpha-BHC	2.20	2.22	2.24	967	0.000044
gamma-BHC	2.49	2.49	2.53	1312	0.000070
beta-BHC	2.69	2.72	2.73	7806	-0.000753
Heptachlor	2.79	2.81	2.83	622	0.000042
Aldrin	3.07	3.08	3.11	735	0.000043
Telodrin	3.18	3.20	3.22	9954	-0.000616
Hept. epoxide	3.54	3.56	3.58	1079	0.000065
o,p-DDE	3.73	3.73	3.77	614	-0.004709
g. Chlordane	3.73	3.77	3.77	435	0.000023
a. Chlordane	3.79	3.81	3.83	806	0.000043
Endosulfan I	3.82	3.84	3.86	1456	0.000083
4,4'-DDE	3.94	3.95	3.98	17133	0.000905
Dieldrin	4.02	4.03	4.06	1179	0.000062
o,p-DDD	4.07	4.10	4.11	737	-0.003756
Endrin	4.22	4.23	4.26	33139	0.001945
o,p-DDT	4.25	4.27	4.29	26283	-0.000499
Endosulfan II	4.39	4.40	4.43	39068	0.002224
Endo. sulfate	4.63	4.64	4.67	909	0.000895
Methoxychlor	4.84	4.87	4.88	29143	0.032305
Endrin ketone	4.95	4.98	4.99	1284	-0.001785
Mirex	5.03	5.04	5.06	24593	0.001886
DCB	5.49	5.51	5.55	3873894	0.232134

Analysis Report (B)

Injected on : Nov 14, 2018 06:06:57
 Instrument : CP35-24952B
 Result file : 35PEST18271026B.091.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.B.MET

%SSR(TCX) : 110% (29-129) Conc.: 0.220921
 %SSR(DCB) : 125% (32-149) Conc.: 0.250086

Peak name	Min	R.T.	Max	Height	Amount
TCX	2.42	2.44	2.46	2699766	0.220921
gamma-BHC	3.06	3.07	3.10	504	0.000036
beta-BHC	3.31	3.34	3.35	3463	-0.001770
delta-BHC	3.53	3.55	3.57	823	0.000051
Aldrin	3.83	3.85	3.87	782	0.000051
Telodrin	3.92	3.93	3.96	638	-0.002165
Hept. epoxide	4.13	4.15	4.17	721	-0.002441
o,p-DDE	4.24	4.25	4.28	539	-0.005395
g. Chlordane	4.34	4.36	4.38	403	-0.001120
a. Chlordane	4.37	4.37	4.41	1088	-0.001839
Endosulfan I	4.39	4.41	4.43	470	-0.001720
4,4'-DDE	4.46	4.48	4.50	438	0.000030
o,p-DDT	4.70	4.72	4.74	28096	-0.001837
4,4'-DDD	4.75	4.76	4.79	41157	0.000702
Endosulfan II	4.83	4.84	4.86	15607	-0.001362
Endrin aldehyde	4.89	4.90	4.93	12477	-0.000624
4,4'-DDT	4.92	4.93	4.96	9919	0.000928
Endo. sulfate	5.04	5.05	5.07	607	-0.002285
Methoxychlor	5.14	5.16	5.18	3100	0.000546
Endrin ketone	5.26	5.28	5.30	11948	-0.001556
Mirex	5.53	5.55	5.57	24976	-0.013963
DCB	6.05	6.07	6.11	1734298	0.250086

Summary Report

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
<input type="checkbox"/> TCX	A	0.226209				2.37	
<input checked="" type="checkbox"/> HCB			<0.01	<0.003			
<input checked="" type="checkbox"/> alpha-BHC			<0.01	<0.003			
<input checked="" type="checkbox"/> gamma-BHC	B	0.000036	<0.01	<0.002		65.31	**
<input checked="" type="checkbox"/> beta-BHC			<0.01	<0.0034			
<input checked="" type="checkbox"/> Heptachlor			<0.01	<0.002			
<input checked="" type="checkbox"/> delta-BHC			<0.01	<0.0034			
<input checked="" type="checkbox"/> Aldrin	B	0.000051	<0.01	<0.002		16.82	
<input checked="" type="checkbox"/> Telodrin			<0.01	<0.0036			
<input checked="" type="checkbox"/> Hept. epoxide			<0.01	<0.0023			
<input checked="" type="checkbox"/> o,p-DDE			<0.02	<0.007			
<input checked="" type="checkbox"/> g. Chlordane			<0.02	<0.007			
<input checked="" type="checkbox"/> a. Chlordane			<0.01	<0.003			
<input checked="" type="checkbox"/> Endosulfan I			<0.01	<0.0043			
<input checked="" type="checkbox"/> 4,4'-DDE	B	0.000030	<0.02	<0.005		187.36	**
<input checked="" type="checkbox"/> Dieldrin			<0.02	<0.0053			
<input checked="" type="checkbox"/> o,p-DDD			<0.02	<0.005			
<input checked="" type="checkbox"/> Endrin			<0.02	<0.0081			
<input checked="" type="checkbox"/> o,p-DDT			<0.02	<0.0051			

%RPD = High - Low Amount divided by the Average times 100

** %Difference > 40, lower amount found reported

* Recovery outside QC Limits

Higher Amount Found unless RPD > 40

Eurofins Lancaster Laboratories-Single Component Data Summary

Sample Name: IBLKX1824B **PIBLKSU ID:** SU **Batchnumber:** 1831699999
Sample Amount: 1000 **Total Volume:** 10 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 06:06:57
 Instrument : CP35--24952A
 Result file : 35PEST18271026.091.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Analysis Report (B)

Injected on : Nov 14, 2018 06:06:57
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.091.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDDB.MET

Summary Report

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
<input checked="" type="checkbox"/> 4,4'-DDD			<0.02	<0.005			
<input checked="" type="checkbox"/> Endosulfan II	B	-0.001362	<0.03	<0.015		831.73	**
<input checked="" type="checkbox"/> 4,4'-DDT			<0.02	<0.0052			
<input checked="" type="checkbox"/> Endrin aldehyde			<0.1	<0.02			
<input checked="" type="checkbox"/> Endo. sulfate			<0.02	<0.0058			
<input checked="" type="checkbox"/> Methoxychlor	B	0.000546	<0.1	<0.03		193.35	**
<input checked="" type="checkbox"/> Endrin ketone			<0.02	<0.005			
<input checked="" type="checkbox"/> Mirex			<0.05	<0.01			
<input type="checkbox"/> DCB	B	0.250086				7.45	

Units: ug/l

Reviewed by: DSS 15222
 Date: 11/15/18

Verified by: *[Signature]*
 Date: 11/21/18

%RPD = High - Low Amount divided by the Average times 100
 ** %Difference > 40, lower amount found reported
 * Recovery outside QC Limits

Higher Amount Found unless RPD > 40

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX1824B PIBLKSU ID: SU **Batchnumber:** 1831699999
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2306 SDG: State:
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 06:06:57
 Instrument : CP35--24952A
 Result file : 35PEST18271026.091.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : 113% (29-129) Conc.: 0.226209
 %SSR(DCB) : 116% (32-149) Conc.: 0.232134

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
2.17	2.18	2.23	8125.441	0.03096	6	150.83	1
+ 2.17	2.22	2.23	967.4286	0.003686			1
+ 2.45	2.46	2.51	670.3163	0.001702			2
2.45	2.49	2.51	1311.983	0.003331			2
+ 2.64	2.65	2.70	760.9728	0.003287			3
2.64	2.67	2.70	16046.39	0.069322			3
+ 2.83	2.85	2.89	1065.467	0.001512			4
2.83	2.86	2.89	926.0417	0.001314			4
+ 2.83	2.87	2.89	791.0714	0.001122			4
+ 2.83	2.88	2.89	884.7222	0.001255			4
+ 2.91	2.92	2.97	712.0605	0.001739			5
2.91	2.93	2.97	864.8257	0.002112			5
3.03	3.04	3.09	722.3169	0.002468			6
+ 3.03	3.08	3.09	734.5809	0.002509			6

Height Summation: 27996.9983
 Amount Avg CF: 0.018251 Linear:

Aroclor-1221							
2.12	2.13	2.16	1138.462	0.010409	2	56.17	2
2.18	2.18	2.22	8125.441	0.024124			3

Height Summation: 9263.903
 Amount Avg CF: 0.017266 Linear:

Aroclor-1248							
+ 3.08	3.08	3.14	734.5809	0.001963	6	129.91	1
3.08	3.12	3.14	911.5311	0.002436			1
+ 3.08	3.12	3.14	795.1719	0.002125			1
+ 3.30	3.30	3.36	1712.748	0.00344			2
+ 3.30	3.31	3.36	1009.344	0.002027			2
3.30	3.32	3.36	577.2836	0.001159			2
+* 3.30	3.35	3.36	690.3125	0.001386			2
+* 3.33	3.35	3.39	690.3125	0.00407			3
3.33	3.37	3.39	1104.247	0.006511			3
+ 3.57	3.58	3.63	1489.332	0.002673			4
+ 3.57	3.58	3.63	1389.272	0.002493			4
+* 3.60	3.61	3.66	15082.34	0.024785			5
* 3.57	3.61	3.63	15082.34	0.027069			4
3.60	3.65	3.66	2702.321	0.004441			5
4.00	4.03	4.06	1179.181	0.003433			6
+ 4.00	4.05	4.06	723.2845	0.002105			6

Height Summation: 21556.9037
 Amount Avg CF: 0.007508 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 06:06:57
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.091.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDDB.MET
 %SSR(TCX) : 110% (29-129) Conc.: 0.220921
 %SSR(DCB) : 125% (32-149) Conc.: 0.250086

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
3.05	3.07	3.11	503.5156	0.00175	5	117.55	2
+ 3.05	3.09	3.11	462.8676	0.001608			2
3.23	3.26	3.29	2888.621	0.013439			3
+ 3.52	3.55	3.58	822.7582	0.001355			4
* 3.55	3.55	3.61	1011.907	0.002745			5
* 3.52	3.55	3.58	1011.907	0.001666			4
+ 3.64	3.65	3.70	840.7858	0.002887			6
3.64	3.66	3.70	613.9019	0.002108			6
+ 3.64	3.68	3.70	621.1267	0.002133			6

Height Summation: 6029.8525
 Amount Avg CF: 0.004341 Linear:

Aroclor-1221							
2.60	2.61	2.64	914.6875	0.010221	2	24.59	1
2.66	2.67	2.70	671.5346	0.007194			2

Height Summation: 1586.2221
 Amount Avg CF: 0.008708 Linear:

Aroclor-1248							
* 3.72	3.77	3.78	498.0309	0.001446	5	9.43	1
* 3.75	3.77	3.81	498.0309	0.00154			2
3.86	3.87	3.92	636.2357	0.001572			3
+ 4.16	4.18	4.22	648.9503	0.001313			4
4.16	4.20	4.22	877.978	0.001777			4
+ 4.28	4.29	4.34	767.9346	0.002064			5
4.28	4.32	4.34	667.9911	0.001795			5
+ 4.28	4.34	4.34	2683.929	0.007212			5

Height Summation: 3178.2666
 Amount Avg CF: 0.001626 Linear:

Aroclor-1254							
+ 4.14	4.15	4.20	720.728	0.001472	5	99.77	1
4.14	4.18	4.20	648.9503	0.001326			1
+ 4.14	4.20	4.20	877.978	0.001794			1
+ 4.28	4.29	4.34	767.9346	0.001184			2
4.28	4.32	4.34	667.9911	0.00103			2
+ 4.28	4.34	4.34	2683.929	0.004138			2
+ 4.69	4.69	4.75	25622.1	0.040547			4
4.69	4.72	4.75	28095.69	0.044462			4
+ 4.83	4.84	4.89	15607.31	0.038821			5
4.83	4.88	4.89	12506.2	0.031108			5
4.91	4.93	4.97	9919.267	0.016971			6
+ 4.91	4.96	4.97	1247.437	0.002134			6
+ 4.91	4.97	4.97	1510.048	0.002584			6

Height Summation: 51838.0984
 Amount Avg CF: 0.018979 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX1824B

Sample Amount: 1000

Analyses: 00177

Total Volume: 10

PIBLKSU ID: SU

ml Analyst: 2306

Batchnumber: 1831699999

SDG:

State:

Analysis Report (A)

Injected on : Nov 14, 2018 06:06:57
 Instrument : CP35--24952A
 Result file : 35PEST18271026.091.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
					6	139.50	
+ 3.60	3.61	3.66	15082.34	0.024684			1
3.60	3.65	3.66	2702.321	0.004423			1
+ 3.70	3.70	3.76	1392.428	0.001903			2
+ 3.70	3.72	3.76	1539.138	0.002103			2
3.70	3.73	3.76	614.0521	0.000839			2
+ 3.94	3.95	4.00	17133.32	0.029064			3
3.94	3.99	4.00	2645.86	0.004488			3
4.14	4.16	4.20	3753.024	0.004989			4
+ 4.35	4.37	4.41	44736.71	0.089499			5
4.35	4.38	4.41	44888.57	0.089803			5
+ 4.35	4.40	4.41	39068.22	0.078159			5
4.42	4.44	4.48	44319.2	0.056154			6
+ 4.42	4.46	4.48	65990.43	0.083613			6

Height Summation: 98923.0271
 Amount Avg CF: 0.026783 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
					6	136.76	
+ 4.10	4.11	4.16	1244.003	0.0015			1
4.10	4.13	4.16	1444.852	0.001742			1
+ 4.10	4.16	4.16	3753.024	0.004524			1
4.21	4.23	4.27	33138.72	0.033488			2
4.42	4.44	4.48	44319.2	0.04547			3
+ 4.42	4.46	4.48	65990.43	0.067703			3
4.60	4.63	4.66	1217.524	0.001743			4
+ 4.60	4.64	4.66	908.8607	0.001301			4
4.72	4.78	4.78	5780.536	0.003694			5
+ 4.91	4.93	4.97	931.9702	0.000788			6
4.91	4.95	4.97	723.8907	0.000612			6

Height Summation: 86624.7227
 Amount Avg CF: 0.014458 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
					5	199.75	
2.64	2.65	2.68	760.9728	0.001533			1
+ 2.64	2.67	2.68	16046.39	0.03232			1
+ 3.57	3.58	3.61	1489.332	0.00341			2
3.57	3.58	3.61	1389.272	0.003181			2
+ 3.72	3.72	3.76	1539.138	0.000881			3
3.72	3.73	3.76	614.0521	0.000351			3
+ 3.79	3.80	3.83	464.3601	0.000327			4
3.79	3.81	3.83	806.3051	0.000568			4
+ 3.79	3.82	3.83	440.8854	0.000311			4
+ 3.79	3.83	3.83	963.5312	0.000679			4
4.40	4.41	4.44	39907.64	0.059876			5
+ 4.40	4.44	4.44	44319.2	0.066495			5

Height Summation: 43478.242
 Amount Avg CF: 0.013102 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 06:06:57
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.091.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDDB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
					6	107.76	
4.61	4.65	4.67	26205.01	0.045174			1
+ 4.61	4.66	4.67	26981.84	0.046513			1
+ 4.76	4.76	4.82	41157.27	0.05652			2
4.76	4.81	4.82	26847.17	0.036869			2
+ 4.91	4.93	4.97	9919.267	0.012667			3
4.91	4.96	4.97	1247.437	0.001593			3
+ 4.91	4.97	4.97	1510.048	0.001928			3
5.08	5.10	5.14	1265.334	0.00323			4
5.23	5.28	5.29	11947.74	0.011473			5
5.38	5.39	5.44	3862.031	0.006184			6

Height Summation: 71374.722
 Amount Avg CF: 0.017421 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
					5	174.82	
3.42	3.42	3.46	1694.121	0.003801			1
4.17	4.18	4.21	648.9503	0.001523			2
+ 4.17	4.20	4.21	877.978	0.00206			2
4.35	4.36	4.39	402.8533	0.000239			3
+ 4.35	4.37	4.39	1087.568	0.000645			3
4.38	4.41	4.41	469.636	0.00042			4
4.87	4.88	4.91	12506.2	0.027404			5
+ 4.87	4.90	4.91	12477.32	0.027341			5

Height Summation: 15721.7606
 Amount Avg CF: 0.006677 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
					3	61.82	
4.70	4.72	4.74	28095.69	0.173199			1
4.86	4.88	4.90	12506.2	0.066688			2
+ 4.86	4.90	4.90	12477.32	0.066534			2
+ 5.27	5.28	5.31	11947.74	0.056532			5
5.27	5.30	5.31	13383.78	0.063327			5

Height Summation: 53985.67
 Amount Avg CF: 0.101071 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX1824B PIBLKSU ID: SU **Batchnumber:** 1831699999
Sample Amount: 1000 Total Volume: 10 ml Analyst: 2306 SDG: State:
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 06:06:57
 Instrument : CP35-24952A
 Result file : 35PEST18271026.091.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
					4	60.83	
Toxaphene							
+ 4.35	4.37	4.39	44736.71	0.174769			1
4.35	4.38	4.39	44888.57	0.175362			1
4.40	4.41	4.44	39907.64	0.168441			2
+ 4.40	4.44	4.44	44319.2	0.187061			2
4.78	4.81	4.82	4181.878	0.024843			4
+ 4.78	4.82	4.82	4402.698	0.026155			4
4.85	4.87	4.89	29142.65	0.09602			5

Height Summation: 118120.738
Amount Avg CF: 0.116167 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 06:06:57
 Instrument : CP35-24952B
 Result file : 35PEST18271026B.091.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0	0		** 123.14	4	40	
Aroclor-1221			0	0		** 65.90	3	5	
Aroclor-1248			0	0		** 128.80	4	30	
Aroclor-1254			0	0		34.10	4	40	
Aroclor-1260			0	0		18.59	4	40	
Chlordane			0.5	0.16		** 64.96	4	40	
Toxaphene			1	0.3		13.90	4	40	

Units: ug/l

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952A

Date Analyzed: 11/14/18

GC Column (1): DB CLP1 ID: .32 (mm)

Time Analyzed: 6:17

Lab File ID: 35PEST18271026.092.RAW

Initial Calibration: 35PEST1827109

Lab Standard ID: MIXA4XR

Init. Calib Date(s): 11/12/18 11/12/18

Calibration: 35PEST1827109

COMPOUND	RT	RT WINDOW FROM TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	1.80	1.79 1.83	42.16	40.06	5
alpha-BHC	2.21	2.20 2.24	10.93	10.00	9
gamma-BHC (Lindane)	2.50	2.49 2.53	10.97	10.00	10
beta-BHC	2.70	2.69 2.73	10.99	10.00	10
Heptachlor	2.81	2.79 2.83	11.05	10.13	9
delta-BHC	2.96	2.94 2.98	10.73	10.00	7
Aldrin	3.09	3.07 3.11	10.60	10.13	5
Heptachlor epoxide	3.56	3.54 3.58	10.13	10.13	0
gamma-Chlordane	3.73	3.73 3.77	10.03	10.13	-1
alpha-Chlordane	3.80	3.79 3.83	10.12	10.13	0
Endosulfan I	3.84	3.82 3.86	10.16	10.13	0
4,4'-DDE	3.95	3.94 3.98	20.38	20.13	1
Dieldrin	4.03	4.02 4.06	20.68	20.13	3
Endrin	4.24	4.22 4.26	20.87	20.00	4
4,4'-DDD	4.32	4.30 4.34	20.85	20.00	4
Endosulfan II	4.40	4.39 4.43	20.00	20.13	-1
4,4'-DDT	4.48	4.47 4.51	23.98	20.00	20
Endrin aldehyde	4.53	4.52 4.56	19.28	20.00	-4
Endosulfan sulfate	4.65	4.63 4.67	22.25	19.75	13
Methoxychlor	4.85	4.84 4.88	122.55	100.25	22
Endrin ketone	4.97	4.95 4.99	21.75	20.00	9
Decachlorobiphenyl	5.51	5.49 5.55	44.36	40.04	11

Compounds 22

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952B

Date Analyzed: 11/14/18

GC Column (2) : DB CLP2 ID: .32 (mm)

Time Analyzed: 6:17

Lab File ID: 35PEST18271026B.092.RAW

Initial Calibration: 35PEST1827109B

Lab Standard ID: MIXA4XR

Init. Calib Date(s): 11/12/18 11/12/18

Calibration: 35PEST1827109B

COMPOUND	RT	RT WINDOW FROM TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.43	2.42 2.46	42.19	40.06	5
alpha-BHC	2.78	2.76 2.80	10.60	10.00	6
gamma-BHC (Lindane)	3.07	3.06 3.10	10.25	10.00	2
beta-BHC	3.32	3.31 3.35	10.76	10.00	8
delta-BHC	3.54	3.53 3.57	10.30	10.00	3
Heptachlor	3.60	3.58 3.62	10.31	10.13	2
Aldrin	3.84	3.83 3.87	9.64	10.13	-5
Heptachlor epoxide	4.15	4.13 4.17	10.16	10.13	0
gamma-Chlordane	4.35	4.34 4.38	9.91	10.13	-2
alpha-Chlordane	4.38	4.37 4.41	10.02	10.13	-1
Endosulfan I	4.41	4.39 4.43	10.57	10.13	4
4,4'-DDE	4.47	4.46 4.50	18.84	20.13	-6
Dieldrin	4.56	4.55 4.59	19.53	20.13	-3
Endrin	4.69	4.69 4.71	21.00	20.00	5
4,4'-DDD	4.77	4.75 4.79	18.78	20.00	-6
Endosulfan II	4.84	4.83 4.87	19.52	20.13	-3
Endrin aldehyde	4.90	4.89 4.93	19.88	20.00	-1
4,4'-DDT	4.93	4.92 4.96	20.67	20.00	3
Endosulfan sulfate	5.05	5.04 5.08	20.49	19.75	4
Methoxychlor	5.15	5.14 5.18	102.32	100.25	2
Endrin ketone	5.27	5.26 5.30	20.85	20.00	4
Decachlorobiphenyl	6.07	6.05 6.11	45.37	40.04	13

Compounds 22

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952A

Date Analyzed: 11/14/18

GC Column (1) : DB CLP1 ID: .32 (mm)

Time Analyzed: 6:27

Lab File ID: 35PEST18271026.093.RAW

Initial Calibration: 35PEST1827109

Lab Standard ID: TOXA4ZD

Init. Calib Date(s): 11/12/18 11/12/18

Calibration: 35PEST1827109

COMPOUND	RT	RT WINDOW		CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
		FROM	TO			
Toxaphene	4.37	4.35	4.39	489.30	504.25	-3
	4.42	4.40	4.44	676.68	504.25	34
	4.58	4.57	4.61	516.35	504.25	2
	4.80	4.78	4.82	663.17	504.25	32
	4.87	4.85	4.89	495.10	504.25	-2

Compounds 5

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952B

Date Analyzed: 11/14/18

GC Column (2) : DB CLP2 ID: .32 (mm)

Time Analyzed: 6:27

Lab File ID: 35PEST18271026B.093.RAW

Initial Calibration: 35PEST1827109B

Lab Standard ID: TOXA4ZD

Init. Calib Date(s): 11/12/18 11/12/18

Calibration: 35PEST1827109B

COMPOUND	RT	RT WINDOW		CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
		FROM	TO			
Toxaphene	4.71	4.70	4.74	526.10	504.25	4
	4.88	4.86	4.90	560.57	504.25	11
	5.01	4.99	5.03	582.45	504.25	16
	5.22	5.21	5.25	549.56	504.25	9
	5.28	5.27	5.31	557.57	504.25	11

Compounds 5

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: TOXA41824E TOXA4ZD ID: ZD **Batchnumber:** 1831699999
Sample Amount: 1 Total Volume: 1 ml Analyst: 2306 SDG: State:
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 06:27:52
 Instrument : CP35--24952A
 Result file : 35PEST18271026.093.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD1.MET

Analysis Report (B)

Injected on : Nov 14, 2018 06:27:52
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.093.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD1B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
2.17	2.17	2.23	1435.6	0.547002	6	64.71	1
2.17	2.19	2.23	703.5173	0.268059			1
2.17	2.21	2.23	5124.396	1.95253			1
2.45	2.47	2.51	8904.433	2.260608			2
2.45	2.49	2.51	4142.58	1.051695			2
2.64	2.68	2.70	9161.358	3.957792			3
2.83	2.83	2.89	8492.303	1.204945			4
2.83	2.85	2.89	8497.774	1.205721			4
2.83	2.88	2.89	4599.25	0.652573			4
2.91	2.92	2.97	10368.56	2.532206			5
2.91	2.96	2.97	18611.82	4.545372			5
3.03	3.04	3.09	12674.4	4.329694			6

Height Summation: **58553.3023**
 Amount Avg CF: **2.761208** Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1221							
2.04	2.06	2.08	3641.49	2.287246	3	86.22	1
2.04	2.07	2.08	855.4086	0.537288			1
2.12	2.15	2.16	1233.644	1.127903			2
2.18	2.19	2.22	703.5173	0.208871			3
2.18	2.21	2.22	5124.396	1.521412			3

Height Summation: **5578.6513**
 Amount Avg CF: **1.208007** Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248							
3.08	3.10	3.14	25154.51	6.722336	6	124.56	1
3.08	3.13	3.14	117669.5	31.446206			1
3.30	3.31	3.36	20790.44	4.175353			2
3.33	3.34	3.39	81971.64	48.333617			3
3.30	3.34	3.36	81971.64	16.4624			2
3.33	3.37	3.39	186927.2	110.219434			3
3.57	3.60	3.63	60233.87	10.810361			4
3.60	3.60	3.66	60233.87	9.898266			5
3.60	3.65	3.66	48224.06	7.924687			5
4.00	4.01	4.06	509879.3	148.423731			6
4.00	4.04	4.06	502079.5	146.153242			6

Height Summation: **904590.78**
 Amount Avg CF: **49.71541** Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
2.73	2.76	2.79	1020.969	0.427157	6	70.17	1
2.73	2.78	2.79	3010.277	1.259451			1
3.05	3.08	3.11	768.75	0.267108			2
3.05	3.09	3.11	1133.768	0.393936			2
3.23	3.23	3.29	3364.169	1.565086			3
3.52	3.54	3.58	14356.31	2.363607			4
3.52	3.57	3.58	6436.849	1.059756			4
3.55	3.57	3.61	6436.849	1.746216			5
3.55	3.60	3.61	9033.427	2.450627			5
3.64	3.66	3.70	15684.82	5.385512			6
3.64	3.68	3.70	9232.247	3.169968			6

Height Summation: **35179.294**
 Amount Avg CF: **1.589857** Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1221							
2.66	2.67	2.70	2052.854	2.199141	2	101.83	2
2.74	2.76	2.78	1020.969	0.357879			3
2.74	2.78	2.78	3010.277	1.05519			3

Height Summation: **3073.823**
 Amount Avg CF: **1.27851** Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248							
3.72	3.72	3.78	14010.6	4.06728	6	179.70	1
3.72	3.76	3.78	12167.27	3.532161			1
3.75	3.76	3.81	12167.27	3.763415			2
3.86	3.88	3.92	1364.1	0.336992			3
3.86	3.90	3.92	35814.4	8.847704			3
3.86	3.92	3.92	34814.81	8.600762			3
4.16	4.16	4.22	40679.68	8.232237			4
4.16	4.18	4.22	91948.82	18.607434			4
4.16	4.21	4.22	6015.462	1.217333			4
4.28	4.29	4.34	205258.5	55.157148			5
4.28	4.31	4.34	82452.96	22.156793			5
4.51	4.53	4.57	358800.3	137.912329			6
4.51	4.54	4.57	426384.4	163.889678			6
4.51	4.56	4.57	359748.8	138.276905			6

Height Summation: **626484.82**
 Amount Avg CF: **35.381079** Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: TOXA41824E TOXA4ZD ID: ZD **Batchnumber:** 1831699999
Sample Amount: 1 **Total Volume:** 1 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 06:27:52
 Instrument : CP35--24952A
 Result file : 35PEST18271026.093.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTDI.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
					6	114.81	
+ 3.60	3.60	3.66	60233.87	9.858128			1
	3.60	3.65	48224.06	7.892552			1
+ 3.70	3.71	3.76	236870.6	32.365137			2
	3.70	3.73	120071.3	16.406106			2
	3.94	3.97	285291.9	48.395868			3
+ 3.94	4.00	4.00	501662.2	85.10013			3
+ 4.14	4.15	4.20	486047.9	64.616638			4
	4.14	4.17	388608.4	51.662744			4
+ 4.14	4.18	4.20	318309.5	42.317001			4
E 4.35	4.37	4.41	1252492	250.569762			5
+ 4.35	4.39	4.41	540866.2	108.204057			5
+ 4.42	4.42	4.48	1603212	203.133751			6
	4.42	4.45	745216.7	94.422112			6
+ 4.42	4.47	4.48	422374.3	53.516613			6

Height Summation: 2839904.36
Amount Avg CF: 78.224857 **Linear:**

Aroclor-1260

	4.10	4.12	4.16	516814.2	62.298896		1
+ 4.10	4.15	4.16	486047.9	58.590201			1
	4.21	4.23	4.27	384988.2	38.904536		2
+ 4.21	4.25	4.27	574706.8	58.076329			2
+ 4.21	4.26	4.27	486046.2	49.116835			3
	4.42	4.45	4.48	745216.7	76.456125		3
+ 4.42	4.47	4.48	422374.3	43.333841			3
+ 4.60	4.62	4.66	818094.1	117.090381			4
	4.60	4.64	4.66	550232	78.752401		4
+ 4.72	4.74	4.78	412505.7	26.361518			5
	4.72	4.76	4.78	320622.8	20.489666		5
+ 4.72	4.77	4.78	589508.8	37.673048			5
+ 4.91	4.92	4.97	112430.5	9.505256			6
+ 4.91	4.94	4.97	37262.67	3.150313			6
	4.91	4.95	4.97	57255.23	4.840552		6
+ 4.91	4.97	4.97	328234.3	27.750042			6

Height Summation: 2575129.13
Amount Avg CF: 46.957029 **Linear:**

Chlordane

	3.57	3.57	3.61	114234.4	26.155		2
+ 3.57	3.60	3.61	60233.87	13.79109			2
	3.72	3.73	3.76	120071.3	6.869475		3
+ 3.79	3.80	3.83	43874.7	3.090674			4
	3.79	3.81	3.83	49229.93	3.467913		4
	4.40	4.42	4.44	1603212	240.540041		5

Height Summation: 1886747.63
Amount Avg CF: 69.258107 **Linear:**

Analysis Report (B)

Injected on : Nov 14, 2018 06:27:52
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.093.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDIB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
					6	76.82	
	4.14	4.16	4.20	40679.68	8.311142		1
+ 4.14	4.18	4.20	91948.82	18.785783			1
+ 4.28	4.29	4.34	205258.5	31.648168			2
	4.28	4.31	4.34	82452.96	12.713165		2
+ 4.28	4.34	4.34	119367.3	18.404872			2
+ 4.51	4.53	4.57	358800.3	43.834994			3
	4.51	4.54	4.57	426384.4	52.091812		3
+ 4.51	4.56	4.57	359748.8	43.950874			3
+ 4.69	4.69	4.75	382171.8	60.479332			4
	4.69	4.71	4.75	853414.1	135.05422		4
+ 4.69	4.73	4.75	321080.8	50.811578			4
+ 4.83	4.84	4.89	719124.8	178.873773			5
	4.83	4.86	4.89	366750.9	91.224941		5
E+ 4.83	4.88	4.89	1051248	261.485484			5
+ 4.91	4.92	4.97	223714.7	38.276402			6
	4.91	4.96	4.97	662824.6	113.405784		6

Height Summation: 2432506.64
Amount Avg CF: 68.800177 **Linear:**

Aroclor-1260

	4.61	4.63	4.67	394748.5	68.049527		1
+ 4.61	4.66	4.67	534428.4	92.128532			1
+ 4.76	4.76	4.82	371899.8	51.072089			2
	4.76	4.79	4.82	359330.5	49.345978		2
+ 4.76	4.82	4.82	721849.2	99.129783			2
+ 4.91	4.92	4.97	223714.7	28.569092			3
	4.91	4.96	4.97	662824.6	84.644848		3
	5.08	5.10	5.14	549472	140.262313		4
+ 5.08	5.12	5.14	389197.9	99.349553			4
+ 5.08	5.13	5.14	419593.1	107.108458			4
	5.23	5.25	5.29	427659.1	41.068389		5
+ 5.23	5.28	5.29	1178396	113.162155			5
+ 5.38	5.38	5.44	117075.1	18.746788			6
	5.38	5.40	5.44	142654.1	22.842656		6
+ 5.38	5.42	5.44	114964.8	18.408874			6

Height Summation: 2536688.8
Amount Avg CF: 67.702285 **Linear:**

Chlordane

	3.42	3.42	3.46	11624.31	2.607776		1
	4.17	4.18	4.21	91948.82	21.576314		2
	4.35	4.37	4.39	163986.1	9.724088		3
	4.38	4.41	4.41	138451.1	12.382194		4
+ 4.87	4.88	4.91	1051248	230.355816			5
	4.87	4.90	4.91	655695.1	143.679874		5

Height Summation: 1061705.43
Amount Avg CF: 37.994049 **Linear:**

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: TOXA41824E TOXA4ZD ID: ZD **Batchnumber:** 1831699999
Sample Amount: 1 Total Volume: 1 ml Analyst: 2306 SDG: State:
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 06:27:52
 Instrument : CP35--24952A
 Result file : 35PEST18271026.093.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTDI.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
					5	16.48	
4.35	4.37	4.39	1252492	489.300655			1
+ 4.35	4.39	4.39	540866.2	211.29571			1
4.40	4.42	4.44	1603212	676.680038			2
4.57	4.58	4.61	1191637	516.352645			3
+ 4.57	4.60	4.61	728613.1	315.718043			3
4.78	4.80	4.82	1116323	663.16881			4
4.85	4.87	4.89	1502668	495.102425			5

Height Summation: 6666332
Amount Avg CF: 568.120915 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 06:27:52
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.093.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDIB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
					5	3.66	
4.70	4.71	4.74	853414.1	526.097661			1
+ 4.70	4.73	4.74	321080.8	197.934224			1
4.86	4.88	4.90	1051248	560.566317			2
+ 4.86	4.90	4.90	655695.1	349.642128			2
4.99	5.01	5.03	1155175	582.449057			3
5.21	5.22	5.25	738758.9	549.563476			4
5.27	5.28	5.31	1178396	557.573917			5
+ 5.27	5.30	5.31	384646.6	182.000713			5

Height Summation: 4976992
Amount Avg CF: 555.250086 Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0	0		** 53.84	4	40	
Aroclor-1221			0	0		5.67	3	5	
Aroclor-1248			0	0		33.69	4	30	
Aroclor-1254			0	0	E	12.82	4	40	
Aroclor-1260			0	0		36.19	4	40	
Chlordane			0.5	0.16		** 58.30	4	40	
Toxaphene			1	0.3		2.29	4	40	

Units: ug/l

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952A

Date Analyzed: 11/14/18

GC Column (1) : DB CLP1 ID: .32 (mm)

Time Analyzed: 6:38

Lab File ID: 35PEST18271026.094.RAW

Initial Calibration: 35PEST1827109

Lab Standard ID: CHLD4FB

Init. Calib Date(s): 11/12/18 11/12/18

Calibration: 35PEST1827109

COMPOUND	RT	RT WINDOW		CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
		FROM	TO			
Chlordane	2.65	2.64	2.68	100.53	100.20	0
	3.58	3.57	3.61	91.74	100.20	-8
	3.73	3.72	3.76	96.66	100.20	-4
	3.80	3.79	3.83	96.55	100.20	-4
	4.42	4.40	4.44	99.45	100.20	-1

Compounds 5

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

Instrument: 24952B

Date Analyzed: 11/14/18

GC Column (2) : DB CLP2 ID: .32 (mm)

Time Analyzed: 6:38

Lab File ID: 35PEST18271026B.094.RAW

Initial Calibration: 35PEST1827109B

Lab Standard ID: CHLD4FB

Init. Calib Date(s): 11/12/18 11/12/18

Calibration: 35PEST1827109B

COMPOUND	RT	RT WINDOW		CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
		FROM	TO			
Chlordane	3.43	3.42	3.46	92.55	100.20	-8
	4.18	4.17	4.21	92.99	100.20	-7
	4.36	4.35	4.39	93.69	100.20	-6
	4.39	4.38	4.42	93.99	100.20	-6
	4.88	4.87	4.91	98.87	100.20	-1

Compounds 5

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: CHLD41824D **CHLD4FB ID:** FB **Batchnumber:** 1831699999
Sample Amount: 1 **Total Volume:** 1 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 06:38:21
 Instrument : CP35-24952A
 Result file : 35PEST18271026.094.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTDI.MET

Analysis Report (B)

Injected on : Nov 14, 2018 06:38:21
 Instrument : CP35-24952B
 Result file : 35PEST18271026B.094.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDIB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak	Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016															
2.17	2.20	2.23	884.2407	0.336919	6	164.42	1								
+ 2.45	2.45	2.51	12304.82	3.123879			2								
2.45	2.48	2.51	3604.256	0.915028			2								
+ 2.45	2.50	2.51	1112.957	0.282551			2								
E+ 2.64	2.65	2.70	499125.5	215.626856			3								
2.64	2.69	2.70	61829.79	26.711044			3								
+ 2.83	2.84	2.89	34730.02	4.927729			4								
2.83	2.87	2.89	1076.562	0.15275			4								
2.91	2.93	2.97	31084.36	7.591411			5								
+ 2.91	2.96	2.97	2520.814	0.615632			5								
+ 3.03	3.05	3.09	8352.902	2.85343			6								
3.03	3.06	3.09	6273.863	2.143211			6								
+ 3.03	3.08	3.09	18011.88	6.153027			6								
Height Summation:				104753.0717											
Amount Avg CF:				6.308394	Linear:										
Aroclor-1221															
+ 2.04	2.04	2.08	1056.593	0.663654	3	167.70	1								
2.04	2.05	2.08	807.3354	0.507093			1								
+ 2.04	2.07	2.08	793.6654	0.498507			1								
2.12	2.16	2.16	38875.68	35.543479			2								
2.18	2.20	2.22	884.2407	0.262527			3								
Height Summation:				40567.2561											
Amount Avg CF:				12.104366	Linear:										
Aroclor-1248															
+ 3.08	3.08	3.14	18011.88	4.813527	6	77.25	1								
3.08	3.11	3.14	52765.71	14.101202			1								
* 3.30	3.33	3.36	169560.4	34.052889			2								
* 3.33	3.33	3.39	169560.4	99.979304			3								
+ 3.33	3.39	3.39	59059.86	34.823955			3								
+ 3.57	3.58	3.63	400693.4	71.913695			4								
+* 3.60	3.62	3.66	263945.9	43.37438			5								
* 3.57	3.62	3.63	263945.9	47.371194			4								
3.60	3.64	3.66	122954.2	20.205134			5								
+ 3.60	3.66	3.66	209079.5	34.358154			5								
4.00	4.03	4.06	94580.21	27.531903			6								
Height Summation:				873366.82											
Amount Avg CF:				40.540271	Linear:										
Aroclor-1016															
2.73	2.75	2.79	4645.657	1.943668	5	179.69	1								
3.05	3.07	3.11	9728.16	3.380122			2								
+ 3.05	3.10	3.11	8423.551	2.926826			2								
* 3.52	3.55	3.58	12248.1	2.016513			4								
+* 3.55	3.55	3.61	12248.1	3.322717			5								
3.55	3.60	3.61	570813.9	154.852842			5								
3.64	3.65	3.70	66323.23	22.772628			6								
+ 3.64	3.68	3.70	1372.922	0.471404			6								
Height Summation:				663759.047											
Amount Avg CF:				36.993155	Linear:										
Aroclor-1221															
+ 2.66	2.66	2.70	593.8654	0.636184	2	67.25	2								
2.66	2.69	2.70	540.3125	0.578815			2								
2.74	2.75	2.78	4645.657	1.628438			3								
Height Summation:				5185.9695											
Amount Avg CF:				1.103627	Linear:										
Aroclor-1248															
3.72	3.75	3.78	12706.79	3.688784	6	93.84	1								
3.75	3.78	3.81	12739.59	3.940437			2								
3.86	3.89	3.92	46791.88	11.559616			3								
+ 3.86	3.92	3.92	55683.42	13.75621			3								
4.16	4.18	4.22	396300.6	80.198279			4								
+ 4.16	4.21	4.22	211097.6	42.71925			4								
+ 4.28	4.29	4.34	37663.12	10.120849			5								
4.28	4.31	4.34	206855.7	55.586348			5								
+ 4.28	4.33	4.34	107671.5	28.933529			5								
4.51	4.54	4.57	136990.9	52.655291			6								
Height Summation:				812385.46											
Amount Avg CF:				34.604792	Linear:										
Aroclor-1254															
+ 4.14	4.15	4.20	57727.17	11.794062	6	112.00	1								
4.14	4.18	4.20	396300.6	80.966968			1								
+ 4.28	4.29	4.34	37663.12	5.807159			2								
4.28	4.31	4.34	206855.7	31.894436			2								
+ 4.28	4.33	4.34	107671.5	16.601533			2								
4.51	4.54	4.57	136990.9	16.736316			3								
+ 4.69	4.69	4.75	75958.28	12.020526			4								
4.69	4.73	4.75	53335.99	8.44051			4								
+ 4.83	4.83	4.89	86846.3	21.601988			5								
4.83	4.87	4.89	47770.65	11.882383			5								
+ 4.83	4.88	4.89	451186.2	112.227221			5								
+ 4.91	4.92	4.97	62832.28	10.750271			6								
4.91	4.95	4.97	23704.58	4.055728			6								
Height Summation:				864958.42											
Amount Avg CF:				25.662724	Linear:										

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: CHLD41824D CHLD4FB ID: FB **Batchnumber:** 1831699999
Sample Amount: 1 **Total Volume:** 1 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 06:38:21
 Instrument : CP35--24952A
 Result file : 35PEST18271026.094.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD1.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
					6	188.53	
+ 3.60	3.62	3.66	263945.9	43.198493			1
	3.60	3.64	122954.2	20.1232			1
+ 3.70	3.71	3.76	141371.5	19.316488			2
	3.70	3.73	1689473	230.843445			2
+ 3.70	3.75	3.76	1327808	181.426855			2
+ 3.94	3.95	4.00	34853.14	5.912358			3
	3.94	3.96	31179.35	5.28915			3
+ 3.94	3.99	4.00	171868.2	29.155089			3
+ 4.14	4.16	4.20	19152.18	2.546147			4
	4.14	4.17	58568.05	7.786209			4
	4.35	4.37	95568.67	19.119179			5
+ 4.35	4.39	4.41	61062.26	12.215931			5
+ 4.42	4.42	4.48	662816.6	83.98167			6
	4.42	4.46	25476.86	3.228026			6

Height Summation: **2023220.13**
 Amount Avg CF: **47.731535** Linear:

Aroclor-1260

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
					6	81.77	
+ 4.10	4.10	4.16	21435.83	2.583963			1
	4.10	4.12	41534.61	5.006752			1
+ 4.10	4.16	4.16	19152.18	2.308682			1
+ 4.21	4.22	4.27	93997.72	9.498831			2
	4.21	4.25	46442.26	4.693169			2
+ 4.42	4.42	4.48	662816.6	68.002218			3
	4.42	4.46	25476.86	2.61382			3
+ 4.60	4.61	4.66	132072.7	18.903012			4
	4.60	4.64	56935.74	8.148974			4
	4.72	4.74	15779.84	1.008424			5
+ 4.72	4.77	4.78	16778.16	1.072222			5
+ 4.91	4.93	4.97	15753.23	1.331832			6
	4.91	4.96	1818.531	0.153745			6

Height Summation: **187987.841**
 Amount Avg CF: **3.604147** Linear:

Chlordane

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
					5	3.51	
	2.64	2.65	2.68	499125.5			1
	3.57	3.58	3.61	400693.4			2
	3.72	3.73	3.76	1689473			3
+ 3.72	3.75	3.76	1327808	75.966066			3
	3.79	3.80	3.83	1370662			4
	4.40	4.42	4.44	662816.6			5

Height Summation: **4622770.5**
 Amount Avg CF: **96.986522** Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 06:38:21
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.094.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD1B.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
					6	154.54	
	4.61	4.65	4.67	33078.12			1
	4.76	4.78	4.82	336029.6			2
+ 4.76	4.81	4.82	78565.01	10.78914			2
+ 4.91	4.92	4.97	62832.28	8.023886			3
	4.91	4.95	4.97	23704.58			3
	5.08	5.10	5.14	22454.25			4
+ 5.08	5.14	5.14	3866.382	0.986961			4
	5.23	5.25	5.29	5302.274			5
+ 5.23	5.28	5.29	3403.161	0.326808			5
	5.38	5.40	5.44	36938.11			6
+ 5.38	5.43	5.44	9840.594	1.575737			6

Height Summation: **457506.934**
 Amount Avg CF: **11.171882** Linear:

Chlordane

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
					5	2.70	
	3.42	3.43	3.46	412564.1			1
+ 3.42	3.46	3.46	6711.225	1.505583			1
	4.17	4.18	4.21	396300.6			2
	4.35	4.36	4.39	1580012			3
	4.38	4.39	4.41	1050952			4
+ 4.38	4.41	4.41	979616.4	87.610721			4
	4.87	4.88	4.91	451186.2			5

Height Summation: **3891014.9**
 Amount Avg CF: **94.41943** Linear:

Toxaphene

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
					5	178.76	
	4.70	4.73	4.74	53335.99			1
+ 4.86	4.87	4.90	47770.65	25.473168			2
	4.86	4.88	4.90	451186.2			2
	4.99	5.02	5.03	5368.722			3
	5.21	5.22	5.25	14005.54			4
	5.27	5.28	5.31	3403.161			5
+ 5.27	5.31	5.31	7282.062	3.445606			5

Height Summation: **57299.613**
 Amount Avg CF: **57.64112** Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: CHLD41824D CHLD4FB ID: FB **Batchnumber:** 1831699999
Sample Amount: 1 **Total Volume:** 1 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Nov 14, 2018 06:38:21
 Instrument : CP35--24952A
 Result file : 35PEST18271026.094.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTDI.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
					4	163.64	
4.35	4.37	4.39	95568.67	37.335019			1
+ 4.35	4.39	4.39	61062.26	23.854686			1
4.40	4.42	4.44	662816.6	279.760108			2
+ 4.78	4.78	4.82	14423.11	8.56827			4
4.78	4.81	4.82	7360.688	4.37273			4
4.85	4.87	4.89	12319.08	4.058918			5

Height Summation: 778065.038

Amount Avg CF: 81.381694 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 06:38:21
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.094.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDIB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0	0	E	** 141.73	4	40	
Aroclor-1221			0	0		** 166.58	3	5	
Aroclor-1248			0	0		15.80	4	30	
Aroclor-1254			0	0		** 60.14	4	40	
Aroclor-1260			0	0		** 102.43	4	40	
Chlordane			0.5	0.16		2.68	4	40	
Toxaphene			1	0.3		34.15	4	40	

Units: ug/l

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 35PEST18271001
Instrument CP35--24952A

Data Directory Path is - \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2306	35PEST18271001.001	HEXANE	AA	9/28/18 16:15	1827099999	1.00
2306	35PEST18271001.002	IBLKX1824B	PIBLKAA	9/28/18 16:25	1827099999	10.00
2306	35PEST18271001.003	EVALX1824B	PEMAA	9/28/18 16:36	1827099999	1.00
2306	35PEST18271001.004	MIXA11824B	MIXA1AA	9/28/18 16:46	1827099999	1.00
2306	35PEST18271001.005	MIXA21824B	MIXA2AA	9/28/18 16:57	1827099999	1.00
2306	35PEST18271001.006	MIXA31824B	MIXA3AA	9/28/18 17:07	1827099999	1.00
2306	35PEST18271001.007	MIXA41824B	MIXA4AA	9/28/18 17:18	1827099999	1.00
2306	35PEST18271001.008	MIXA51824B	MIXA5AA	9/28/18 17:28	1827099999	1.00
2306	35PEST18271001.009	MIXA61824B	MIXA6AA	9/28/18 17:39	1827099999	1.00
2306	35PEST18271001.010	ICMAX1824B	ICMAXAA	9/28/18 17:49	1827099999	1.00
2306	35PEST18271001.011	MIXE11824D	MIXE1AA	9/28/18 17:59	1827099999	1.00
2306	35PEST18271001.012	MIXE21824D	MIXE2AA	9/28/18 18:10	1827099999	1.00
2306	35PEST18271001.013	MIXE31824D	MIXE3AA	9/28/18 18:21	1827099999	1.00
2306	35PEST18271001.014	MIXE41824D	MIXE4AA	9/28/18 18:31	1827099999	1.00
2306	35PEST18271001.015	MIXE51824D	MIXE5AA	9/28/18 18:41	1827099999	1.00
2306	35PEST18271001.016	MIXE61824D	MIXE6AA	9/28/18 18:52	1827099999	1.00
2306	35PEST18271001.017	ICMEX1824C	ICMEXAA	9/28/18 19:02	1827099999	1.00
2306	35PEST18271001.018	TOXA11824D	TOXA1AA	9/28/18 19:13	1827099999	1.00
2306	35PEST18271001.019	TOXA21824D	TOXA2AA	9/28/18 19:23	1827099999	1.00
2306	35PEST18271001.020	TOXA31824D	TOXA3AA	9/28/18 19:34	1827099999	1.00
2306	35PEST18271001.021	TOXA41824D	TOXA4AA	9/28/18 19:44	1827099999	1.00
2306	35PEST18271001.022	TOXA51824D	TOXA5AA	9/28/18 19:55	1827099999	1.00
2306	35PEST18271001.023	TOXA61824D	TOXA6AA	9/28/18 20:05	1827099999	1.00
2306	35PEST18271001.024	ICTXX1824D	ICTXXAA	9/28/18 20:16	1827099999	1.00
2306	35PEST18271001.025	CHLD11824D	CHLD1AA	9/28/18 20:26	1827099999	1.00
2306	35PEST18271001.026	CHLD21824D	CHLD2AA	9/28/18 20:37	1827099999	1.00
2306	35PEST18271001.027	CHLD31824D	CHLD3AA	9/28/18 20:47	1827099999	1.00
2306	35PEST18271001.028	CHLD41824D	CHLD4AA	9/28/18 20:58	1827099999	1.00
2306	35PEST18271001.029	CHLD51824D	CHLD5AA	9/28/18 21:08	1827099999	1.00
2306	35PEST18271001.030	CHLD61824D	CHLD6AA	9/28/18 21:19	1827099999	1.00
2306	35PEST18271001.031	ICCHX1824F	ICCHXAA	9/28/18 21:29	1827099999	1.00
2306	35PEST18271001.032	AR1641824C	AR164AA	9/28/18 21:40	1827099999	1.00
2306	35PEST18271001.033	2154X1824A	2154XAA	9/28/18 21:50	1827099999	1.00
2306	35PEST18271001.034	AR4841824B	AR484AA	9/28/18 22:00	1827099999	1.00
2306	35PEST18271001.035	MDLAX1824D	MDLAXAA	9/28/18 22:11	1827099999	1.00
2306	35PEST18271001.036	MDLEX1824D	MDLEXAA	9/28/18 22:21	1827099999	1.00
2306	35PEST18271001.037	MDTXX1824D	MDTXXAA	9/28/18 22:32	1827099999	1.00
2306	35PEST18271001.038	MDCHX1824D	MDCHXAA	9/28/18 22:42	1827099999	1.00
2306	35PEST18271001.039	BLANKA 9/21/18 FG	PBLK05264	9/28/18 22:53	182640005A	10.00
2306	35PEST18271001.040	LCSA 9/21/18 FG	LCS05264	9/28/18 23:03	182640005A	10.00
2306	35PEST18271001.041	LCSDA 9/21/18 FG	LCSD05264	9/28/18 23:14	182640005A	10.00
2306	35PEST18271001.042	LCSDMXE 9/21/18	FLCSD05264	9/28/18 23:24	182640005A	10.00
2306	35PEST18271001.043	LCSMXE 9/21/18	FGLCS05264	9/28/18 23:35	182640005A	10.00
2306	35PEST18271001.044	EVALX1824B	PEMAQ	9/28/18 23:45	1827099999	1.00
2306	35PEST18271001.045	MIXA41824B	MIXA4EA	9/28/18 23:56	1827099999	1.00
2306	35PEST18271001.046	MIXE41824D	MIXE4TB	9/29/18 0:06	1827099999	1.00
2306	35PEST18271001.047	9795933 FG	OL-11	9/29/18 0:16	182640005A	10.00
2306	35PEST18271001.048	9795934 FG	OL-12	9/29/18 0:27	182640005A	10.00
2306	35PEST18271001.049	9795935 FG	OL-13	9/29/18 0:38	182640005A	10.00
2306	35PEST18271001.050	9795936 FG	OL-14	9/29/18 0:48	182640005A	10.00
2306	35PEST18271001.051	9795937 FG	OL-15	9/29/18 0:58	182640005A	10.00
2306	35PEST18271001.052	9795938 FG	OL-16	9/29/18 1:09	182640005A	10.00
2306	35PEST18271001.053	9795939 FG	OL-17	9/29/18 1:19	182640005A	10.00
2306	35PEST18271001.054	9795944 FG	OL-22	9/29/18 1:30	182640005A	10.00
2306	35PEST18271001.055	9795945 FG	OL-23	9/29/18 1:40	182640005A	10.00
2306	35PEST18271001.056	MIXA41824B	MIXA4EB	9/29/18 1:51	1827099999	1.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2306	35PEST18271001.057	MIXE41824D	MIXE4TC	9/29/18 2:01	1827099999	1.00
2306	35PEST18271001.058	9795940 FG	OL-18	9/29/18 2:12	182640005A	10.00
2306	35PEST18271001.059	9795940 FG DF5	OL-18	9/29/18 2:22	182640005A	50.00
2306	35PEST18271001.060	9795941 FG	OL-19	9/29/18 2:33	182640005A	10.00
2306	35PEST18271001.061	9795941 FG DF5	OL-19	9/29/18 2:43	182640005A	50.00
2306	35PEST18271001.062	9795942 FG	OL-20	9/29/18 2:54	182640005A	10.00
2306	35PEST18271001.063	9795942 FG DF5	OL-20	9/29/18 3:04	182640005A	50.00
2306	35PEST18271001.064	9795943 FG	OL-21	9/29/18 3:14	182640005A	10.00
2306	35PEST18271001.065	9795943 FG DF5	OL-21	9/29/18 3:25	182640005A	50.00
2306	35PEST18271001.066	9795946 FG	OL-24	9/29/18 3:35	182640005A	10.00
2306	35PEST18271001.067	9795946 FG DF5	OL-24	9/29/18 3:46	182640005A	50.00
2306	35PEST18271001.068	EVALX1824B	PEMAR	9/29/18 3:56	1827099999	1.00
2306	35PEST18271001.069	MIXA41824B	MIXA4EC	9/29/18 4:07	1827099999	1.00
2306	35PEST18271001.070	MIXE41824D	MIXE4TD	9/29/18 4:17	1827099999	1.00

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Pesticide Residue Analysis
Runlog for 35PEST18271025
Instrument CP35--24952A

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Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2306	35PEST18271025.001	HEXANE	AA	11/12/18	13:27 1831599999	1.00
2306	35PEST18271025.002	EVALX1824B	PEMMI	11/12/18	13:37 1831599999	1.00
2306	35PEST18271025.003	MIXA41824B	MIXA4WK	11/12/18	13:48 1831599999	1.00
2306	35PEST18271025.004	TOXA41824E	TOXA4XW	11/12/18	13:58 1831599999	1.00
2306	35PEST18271025.005	CHLD41824D	CHLD4DW	11/12/18	14:09 1831599999	1.00
2306	35PEST18271025.006	HEXANE	AA	11/12/18	17:36 1831599999	1.00
2306	35PEST18271025.007	9868566 BC DF50003E531		11/12/18	17:47 183020028A	50,000.00
2306	35PEST18271025.008	MIXA41824B	MIXA4WN	11/12/18	17:57 1831599999	1.00
2306	35PEST18271025.009	IBLKX1824B	PIBLKAA	11/12/18	18:07 1831599999	10.00
2306	35PEST18271025.010	EVALX1824B	PEMAA	11/12/18	18:18 1831599999	1.00
2306	35PEST18271025.011	MIXA11824B	MIXA1AA	11/12/18	18:28 1831599999	1.00
2306	35PEST18271025.012	MIXA21824B	MIXA2AA	11/12/18	18:39 1831599999	1.00
2306	35PEST18271025.013	MIXA31824B	MIXA3AA	11/12/18	18:49 1831599999	1.00
2306	35PEST18271025.014	MIXA41824B	MIXA4AA	11/12/18	19:00 1831599999	1.00
2306	35PEST18271025.015	MIXA51824B	MIXA5AA	11/12/18	19:10 1831599999	1.00
2306	35PEST18271025.016	MIXA61824B	MIXA6AA	11/12/18	19:21 1831599999	1.00
2306	35PEST18271025.017	ICMAX1824C	ICMAXAA	11/12/18	19:31 1831599999	1.00
2306	35PEST18271025.018	MDLAX1824D	MDLAXAA	11/12/18	19:42 1831599999	1.00
2306	35PEST18271025.019	TOXA41824E	TOXA4XZ	11/12/18	19:52 1831599999	1.00
2306	35PEST18271025.020	CHLD41824D	CHLD4DZ	11/12/18	20:02 1831599999	1.00
2306	35PEST18271025.021	BLANKA 11/8/18 BC	PBLK30312	11/12/18	20:13 183120030A	10.00
2306	35PEST18271025.022	LCSA 11/8/18 BC	LCS30312	11/12/18	20:23 183120030A	10.00
2306	35PEST18271025.023	BLANKA 11/9/18 BC	PBLK46312	11/12/18	20:34 183120046A	10.00
2306	35PEST18271025.024	LCSA 11/9/18 BC	LCS46312	11/12/18	20:44 183120046A	10.00
2306	35PEST18271025.025	MIXA31824B	MIXA3EM	11/12/18	20:55 1831599999	1.00
2306	35PEST18271025.026	TOXA41824E	TOXA4XY	11/12/18	21:05 1831599999	1.00
2306	35PEST18271025.027	CHLD41824D	CHLD4DY	11/12/18	21:16 1831599999	1.00
2306	35PEST18271025.028	9885261 BC DF50	EVT1A	11/12/18	21:26 183120030A	1,250.00
2306	35PEST18271025.029	9885261MS BC DF5	EVT1AMS	11/12/18	21:37 183120030A	1,250.00
2306	35PEST18271025.030	9885261MSD BC DF5	EVT1AMSD	11/12/18	21:47 183120030A	1,250.00
2306	35PEST18271025.031	MIXA41824B	MIXA4WP	11/12/18	21:58 1831599999	1.00
2306	35PEST18271025.032	TOXA41824E	TOXA4YA	11/12/18	22:08 1831599999	1.00
2306	35PEST18271025.033	CHLD41824D	CHLD4EA	11/12/18	22:18 1831599999	1.00
2306	35PEST18271025.034	9879402 BC	90E-2	11/12/18	22:29 183090043A	10.00
2306	35PEST18271025.035	HEXANE	AA	11/12/18	22:39 1831599999	1.00
2306	35PEST18271025.036	9879401 BC DF5	90E-1	11/12/18	22:50 183090043A	50.00
2306	35PEST18271025.037	HEXANE	AA	11/12/18	23:00 1831599999	1.00
2306	35PEST18271025.038	9879403 BC DF5	90E-3	11/12/18	23:11 183090043A	50.00
2306	35PEST18271025.039	HEXANE	AA	11/12/18	23:21 1831599999	1.00
2306	35PEST18271025.040	9879404 BC DF5	90E-4	11/12/18	23:32 183090043A	50.00
2306	35PEST18271025.041	HEXANE	AA	11/12/18	23:42 1831599999	1.00
2306	35PEST18271025.042	9879405 BC DF5	90E-5	11/12/18	23:53 183090043A	50.00
2306	35PEST18271025.043	HEXANE	AA	11/13/18	0:03 1831599999	1.00
2306	35PEST18271025.044	EVALX1824B	PEMMN	11/13/18	0:14 1831599999	1.00
2306	35PEST18271025.045	MIXA31824B	MIXA3EN	11/13/18	0:24 1831599999	1.00
2306	35PEST18271025.046	TOXA41824E	TOXA4YI	11/13/18	0:35 1831599999	1.00
2306	35PEST18271025.047	CHLD41824D	CHLD4EI	11/13/18	0:45 1831599999	1.00
2306	35PEST18271025.048	9879347 BC DF20	09911	11/13/18	0:55 183120046A	200.00
2306	35PEST18271025.049	HEXANE	AA	11/13/18	1:06 1831599999	1.00
2306	35PEST18271025.050	9880320 BC	DAT11	11/13/18	1:16 183120046A	10.00
2306	35PEST18271025.051	HEXANE	AA	11/13/18	1:27 1831599999	1.00
2306	35PEST18271025.052	9880320MS BC	DAT11MS	11/13/18	1:38 183120046A	10.00
2306	35PEST18271025.053	HEXANE	AA	11/13/18	1:48 1831599999	1.00
2306	35PEST18271025.054	9880320MSD BC	DAT11MSD	11/13/18	1:59 183120046A	10.00
2306	35PEST18271025.055	HEXANE	AA	11/13/18	2:09 1831599999	1.00
2306	35PEST18271025.056	9880321 BC	DAT12	11/13/18	2:19 183120046A	10.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor	
2306	35PEST18271025.057	MIXA41824B	MIXA4WX	11/13/18	2:30	1831599999	1.00
2306	35PEST18271025.058	TOXA41824E	TOXA4YJ	11/13/18	2:40	1831599999	1.00
2306	35PEST18271025.059	CHLD41824D	CHLD4EJ	11/13/18	2:51	1831599999	1.00
2306	35PEST18271025.060	9880318 BC DF5	DATG9	11/13/18	3:01	183120046A	50.00
2306	35PEST18271025.061	HEXANE	AA	11/13/18	3:12	1831599999	1.00
2306	35PEST18271025.062	9880319 BC DF5	DAT10	11/13/18	3:22	183120046A	50.00
2306	35PEST18271025.063	HEXANE	AA	11/13/18	3:33	1831599999	1.00
2306	35PEST18271025.064	9880319 BC DF10	DAT10	11/13/18	3:43	183120046A	100.00
2306	35PEST18271025.065	HEXANE	AA	11/13/18	3:54	1831599999	1.00
2306	35PEST18271025.066	9881829 BC DF20	93E-1	11/13/18	4:04	183120046A	200.00
2306	35PEST18271025.067	HEXANE	AA	11/13/18	4:15	1831599999	1.00
2306	35PEST18271025.068	9881850 BC DF25	95E02	11/13/18	4:25	183120046A	250.00
2306	35PEST18271025.069	HEXANE	AA	11/13/18	4:36	1831599999	1.00
2306	35PEST18271025.070	EVALX1824B	PEMMO	11/13/18	4:46	1831599999	1.00
2306	35PEST18271025.071	MIXA31824B	MIXA3EO	11/13/18	4:57	1831599999	1.00
2306	35PEST18271025.072	TOXA41824E	TOXA4YK	11/13/18	5:07	1831599999	1.00
2306	35PEST18271025.073	9881851 BC DF25	95E03	11/13/18	5:18	183120046A	250.00
2306	35PEST18271025.074	9881831 BC DF25	93E-3	11/13/18	5:28	183120046A	250.00
2306	35PEST18271025.075	HEXANE	AA	11/13/18	5:39	1831599999	1.00
2306	35PEST18271025.076	9881831 BC DF50	93E-3	11/13/18	5:49	183120046A	500.00
2306	35PEST18271025.077	HEXANE	AA	11/13/18	6:00	1831599999	1.00
2306	35PEST18271025.078	9881849 BC DF50	95E01	11/13/18	6:10	183120046A	500.00
2306	35PEST18271025.079	9881830 BC DF500	93E-2	11/13/18	6:21	183120046A	5,000.00
2306	35PEST18271025.080	MIXA41824B	MIXA4WZ	11/13/18	6:31	1831599999	1.00
2306	35PEST18271025.081	TOXA41824E	TOXA4YL	11/13/18	6:42	1831599999	1.00

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 35PEST18271026
Instrument CP35--24952A

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2306	35PEST18271026.001	HEXANE	AA	11/13/18 12:03	1831699999	1.00
2306	35PEST18271026.002	IBLKX1824B	PIBLKRR	11/13/18 12:14	1831699999	10.00
2306	35PEST18271026.003	EVALX1824B	PEMMS	11/13/18 12:24	1831699999	1.00
2306	35PEST18271026.004	MIXA41824B	MIXA4XF	11/13/18 12:34	1831699999	1.00
2306	35PEST18271026.005	TOXA41824E	TOXA4YR	11/13/18 12:45	1831699999	1.00
2306	35PEST18271026.006	CHLD41824D	CHLD4EP	11/13/18 12:55	1831699999	1.00
15222	35PEST18271026.007	HEXANE	AA	11/13/18 14:00	1831699999	1.00
15222	35PEST18271026.008	BLANKA 11/12/18	BCPBLK20316	11/13/18 14:11	183160020A	10.00
15222	35PEST18271026.009	LCSA 11/12/18	BC LCS20316	11/13/18 14:21	183160020A	10.00
15222	35PEST18271026.010	9886519	BC DF20 O3709	11/13/18 14:32	183160020A	200.00
15222	35PEST18271026.011	9886519MS	DF20 O3709MS	11/13/18 14:42	183160020A	200.00
15222	35PEST18271026.012	9886519MSD	DF20 O3709MSD	11/13/18 14:52	183160020A	200.00
15222	35PEST18271026.013	HEXANE	AA	11/13/18 15:03	1831699999	1.00
15222	35PEST18271026.014	9887870	BC DF20 UEVT2	11/13/18 15:14	183160020A	200.00
15222	35PEST18271026.015	HEXANE	AA	11/13/18 15:24	1831699999	1.00
15222	35PEST18271026.016	IBLKX1824B	PIBLKRZ	11/13/18 15:34	1831699999	10.00
15222	35PEST18271026.017	MIXA41824B	MIXA4XG	11/13/18 15:45	1831699999	1.00
15222	35PEST18271026.018	TOXA41824E	TOXA4YS	11/13/18 15:55	1831699999	1.00
15222	35PEST18271026.019	CHLD41824D	CHLD4EQ	11/13/18 16:06	1831699999	1.00
2306	35PEST18271026.020	HEXANE	AA	11/13/18 17:42	1831699999	1.00
2306	35PEST18271026.021	BLANKA 10/30/18	CFPBLK30302	11/13/18 17:53	183020030A	10.00
2306	35PEST18271026.022	LCSA 10/30/18	CFG LCS30302	11/13/18 18:03	183020030A	10.00
2306	35PEST18271026.023	EVALX1824B	PEMMU	11/13/18 18:14	1831699999	1.00
2306	35PEST18271026.024	MIXA31824B	MIXA3EU	11/13/18 18:24	1831699999	1.00
2306	35PEST18271026.025	TOXA41824E	TOXA4YU	11/13/18 18:35	1831699999	1.00
2306	35PEST18271026.026	CHLD41824D	CHLD4ES	11/13/18 18:45	1831699999	1.00
2306	35PEST18271026.027	9867761	CFG DF20 T1002	11/13/18 18:56	183020030A	200.00
2306	35PEST18271026.028	9867761	CFG DF50 T1002	11/13/18 19:06	183020030A	500.00
2306	35PEST18271026.029	9867762	CFG DF5 T1003	11/13/18 19:16	183020030A	50.00
2306	35PEST18271026.030	HEXANE	AA	11/13/18 19:27	1831699999	1.00
2306	35PEST18271026.031	9867763MS	CFG DFT1003	11/13/18 19:37	183020030A	50.00
2306	35PEST18271026.032	9867764MSD	CFG DT1003	11/13/18 19:48	183020030A	50.00
2306	35PEST18271026.033	HEXANE	AA	11/13/18 19:58	1831699999	1.00
2306	35PEST18271026.034	9867766	CFG DF5 T1004	11/13/18 20:09	183020030A	50.00
2306	35PEST18271026.035	9867767	CFG DF10CT1005	11/13/18 20:19	183020030A	1,000.00
2306	35PEST18271026.036	9870252	CFG DF10 T1103	11/13/18 20:30	183020030A	100.00
2306	35PEST18271026.037	MIXA41824B	MIXA4XJ	11/13/18 20:40	1831699999	1.00
2306	35PEST18271026.038	TOXA41824E	TOXA4YV	11/13/18 20:51	1831699999	1.00
2306	35PEST18271026.039	CHLD41824D	CHLD4ET	11/13/18 21:01	1831699999	1.00
2306	35PEST18271026.040	9870251	CFG T1102	11/13/18 21:12	183020030A	10.00
2306	35PEST18271026.041	HEXANE	AA	11/13/18 21:22	1831699999	1.00
2306	35PEST18271026.042	9870252	CFG DF20 T1103	11/13/18 21:33	183020030A	200.00
2306	35PEST18271026.043	9870253	CFG DF10 T1104	11/13/18 21:43	183020030A	100.00
2306	35PEST18271026.044	9870253	CFG DF20 T1104	11/13/18 21:54	183020030A	200.00
2306	35PEST18271026.045	9870254	CFG DF10 T1105	11/13/18 22:04	183020030A	100.00
2306	35PEST18271026.046	9870254	CFG DF20 T1105	11/13/18 22:14	183020030A	200.00
2306	35PEST18271026.047	9872060	CFG DF10 12T02	11/13/18 22:25	183020030A	100.00
2306	35PEST18271026.048	9872060	CFG DF20 12T02	11/13/18 22:35	183020030A	200.00
2306	35PEST18271026.049	9872061	CFG DF10 12T03	11/13/18 22:46	183020030A	100.00
2306	35PEST18271026.050	MIXA31824B	MIXA3EV	11/13/18 22:56	1831699999	1.00
2306	35PEST18271026.051	TOXA41824E	TOXA4YW	11/13/18 23:07	1831699999	1.00
2306	35PEST18271026.052	CHLD41824D	CHLD4EU	11/13/18 23:17	1831699999	1.00
2306	35PEST18271026.053	9872061	CFG DF20 12T03	11/13/18 23:28	183020030A	200.00
2306	35PEST18271026.054	9872062	CFG DF10 12T04	11/13/18 23:38	183020030A	100.00
2306	35PEST18271026.055	9872062	CFG DF20 12T04	11/13/18 23:49	183020030A	200.00
2306	35PEST18271026.056	9872063	CFG 12T05	11/13/18 23:59	183020030A	10.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor	
2306	35PEST18271026.057	HEXANE	AA	11/14/18	0:10	1831699999	1.00
2306	35PEST18271026.058	9872064 CFG DF50	12T06	11/14/18	0:20	183020030A	500.00
2306	35PEST18271026.059	EVALX1824B	PEMMV	11/14/18	0:31	1831699999	1.00
2306	35PEST18271026.060	MIXA41824B	MIXA4XL	11/14/18	0:41	1831699999	1.00
2306	35PEST18271026.061	TOXA41824E	TOXA4YX	11/14/18	0:51	1831699999	1.00
2306	35PEST18271026.062	CHLD41824D	CHLD4EV	11/14/18	1:02	1831699999	1.00
2306	35PEST18271026.063	9870349 CFG	AMARA	11/14/18	1:13	183020030A	10.00
2306	35PEST18271026.064	HEXANE	AA	11/14/18	1:23	1831699999	1.00
2306	35PEST18271026.065	9870350 CFG	AMARB	11/14/18	1:34	183020030A	10.00
2306	35PEST18271026.066	HEXANE	AA	11/14/18	1:44	1831699999	1.00
2306	35PEST18271026.067	9870351 CFG	AMARC	11/14/18	1:55	183020030A	10.00
2306	35PEST18271026.068	HEXANE	AA	11/14/18	2:05	1831699999	1.00
2306	35PEST18271026.069	9872065 CFG DF20	12T07	11/14/18	2:16	183020030A	200.00
2306	35PEST18271026.070	9872065 CFG DF50	12T07	11/14/18	2:26	183020030A	500.00
2306	35PEST18271026.071	IBLKX1824B	PIBLKSS	11/14/18	2:37	1831699999	10.00
2306	35PEST18271026.072	MIXA31824B	MIXA3EW	11/14/18	2:47	1831699999	1.00
2306	35PEST18271026.073	TOXA41824E	TOXA4YY	11/14/18	2:58	1831699999	1.00
2306	35PEST18271026.074	CHLD41824D	CHLD4EW	11/14/18	3:08	1831699999	1.00
2306	35PEST18271026.075	BLANKA 11/2/18 CF	(PBLK38305	11/14/18	3:19	183050038A	10.00
2306	35PEST18271026.076	LCSA 11/2/18 CFG	LCS38305	11/14/18	3:29	183050038A	10.00
2306	35PEST18271026.077	IBLKX1824B	PIBLKST	11/14/18	3:40	1831699999	10.00
2306	35PEST18271026.078	EVALX1824B	PEMMY	11/14/18	3:50	1831699999	1.00
2306	35PEST18271026.079	MIXA31824B	MIXA3EX	11/14/18	4:01	1831699999	1.00
2306	35PEST18271026.080	TOXA41824E	TOXA4ZC	11/14/18	4:11	1831699999	1.00
2306	35PEST18271026.081	CHLD41824D	CHLD4FA	11/14/18	4:22	1831699999	1.00
2306	35PEST18271026.082	9874411 CFG	T1302	11/14/18	4:32	183050038A	10.00
2306	35PEST18271026.083	HEXANE	AA	11/14/18	4:43	1831699999	1.00
2306	35PEST18271026.084	9874411MS CFG	T1302MS	11/14/18	4:53	183050038A	10.00
2306	35PEST18271026.085	9874411MSD CFG	T1302MSD	11/14/18	5:04	183050038A	10.00
2306	35PEST18271026.086	HEXANE	AA	11/14/18	5:14	1831699999	1.00
2306	35PEST18271026.087	9874412 CFG DF50	T1303	11/14/18	5:25	183050038A	500.00
2306	35PEST18271026.088	HEXANE	AA	11/14/18	5:35	1831699999	1.00
2306	35PEST18271026.089	9874413 CFG DF5	T1304	11/14/18	5:46	183050038A	50.00
2306	35PEST18271026.090	HEXANE	AA	11/14/18	5:56	1831699999	1.00
2306	35PEST18271026.091	IBLKX1824B	PIBLKSU	11/14/18	6:06	1831699999	10.00
2306	35PEST18271026.092	MIXA41824B	MIXA4XR	11/14/18	6:17	1831699999	1.00
2306	35PEST18271026.093	TOXA41824E	TOXA4ZD	11/14/18	6:27	1831699999	1.00
2306	35PEST18271026.094	CHLD41824D	CHLD4FB	11/14/18	6:38	1831699999	1.00

Sample Data

Pesticides

Data Summary

Sample Name: **9874411** CFG T1302 Sample ID: AC Batchnumber: **183050038A**
 Sample Amount: 30.19 g Total Volume: 10 ml Analyst: 15222 SDG: TID13 State: NY
 Analyses: 14587

Analysis Report (A)

Injected on Nov 14, 2018 04:32:30
 Instrument 24952A
 Result file 35PEST18271026.082.RAW
 Calibration file 35PEST1827109
 Method file 35PESTD

%SSR(TCX) 79% (42 - 129) Conc: 7.881086
 %SSR(DCB) 96% (39 - 152) Conc: 9.495324

Analysis Report (B)

Injected on Nov 14, 2018 04:32:30
 Instrument 24952B
 Result file 35PEST18271026B.082.RAW
 Calibration file 35PEST1827109B
 Method file 35PESTD

%SSR(TCX) 57% (42 - 129) Conc: 5.725162
 %SSR(DCB) 102% (39 - 152) Conc: 10.07571

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	1.79	1.80	1.83	3467881	7.881086	Tetrachloro-m-xylene	2.42	2.44	2.46	2112229	5.725162
HCB	2.14	2.17	2.18	69565	0.099037	Alpha BHC	2.76	2.78	2.80	15149	0.030156
Alpha BHC	2.20	2.23	2.24	226842	0.339774	HCB	2.85	2.86	2.89	32167	0.019933
Gamma BHC - Lindane	2.49	2.51	2.53	46315	0.081852	Gamma BHC - Lindane	3.06	3.08	3.10	44091	0.103078
Beta BHC	2.69	2.70	2.73	154673	0.591033	Beta BHC	3.31	3.32	3.35	44055	0.150538
Heptachlor	2.79	2.79	2.83	11156300 E	24.7885	Delta BHC	3.53	3.55	3.57	92571	0.189036
Aldrin	3.07	3.08	3.11	24019	0.04702	Heptachlor	3.58	3.60	3.62	26252	0.061662
Telodrin	3.18	3.19	3.22	115041	0.270929	Aldrin	3.83	3.86	3.87	68996	0.150214
o,p-DDE	3.73	3.76	3.77	104894	0.139631	Telodrin	3.92	3.94	3.96	365137	1.128516
Alpha Chlordane	3.79	3.81	3.83	100636	0.178449	Heptachlor Epoxide	4.13	4.15	4.17	129084	0.257612
Endosulfan I	3.82	3.84	3.86	556057	1.055886	o,p-DDE	4.24	4.26	4.28	130894	0.31475
p,p-DDE	3.94	3.97	3.98	88669	0.155203	Gamma Chlordane	4.34	4.35	4.38	78965	0.15344
Dieldrin	4.02	4.04	4.06	269787	0.466765	Alpha Chlordane	4.37	4.39	4.41	52029	0.066616
o,p-DDD	4.07	4.08	4.11	119806	0.248916	Endosulfan I	4.39	4.41	4.43	25723	0.009588
Endrin	4.22	4.24	4.26	63732	0.123878	p,p-DDE	4.46	4.47	4.50	57983	0.129374
o,p-DDT	4.25	4.28	4.29	106411	0.215142	o,p-DDD	4.52	4.53	4.56	87847	0.198049
p,p-DDD	4.30	4.32	4.34	215127	0.33601	Dieldrin	4.55	4.57	4.59	48278	0.112051
Endosulfan II	4.39	4.40	4.43	196985	0.371477	Endrin	4.69	4.70	4.71	82479	0.175788
p,p-DDT	4.47	4.48	4.51	71696	0.19854	o,p-DDT	4.70	4.72	4.74	84798	0.160265
Endrin Aldehyde	4.52	4.55	4.56	59127	0.131403	p,p-DDD	4.75	4.77	4.79	144833	0.295518
Endosulfan Sulfate	4.63	4.67	4.67	27164	0.086647	Endosulfan II	4.83	4.84	4.86	30674	0
Methoxychlor	4.84	4.85	4.88	87586	1.368488	Endrin Aldehyde	4.89	4.90	4.93	77223	0.195072
Endrin Ketone	4.95	4.96	4.99	36996	0.005133	o,p-DDT	4.92	4.94	4.96	57675	0.178791
Mirex	5.03	5.05	5.06	28639	0.07276	Endosulfan Sulfate	5.04	5.05	5.07	85684	0.169367
Decachlorobiphenyl	5.49	5.51	5.55	4792936	9.495324	Methoxychlor	5.14	5.16	5.18	25013	0.14584
						Endrin Ketone	5.26	5.28	5.30	7306	0
						Mirex	5.53	5.55	5.57	5880	0
						Decachlorobiphenyl	6.05	6.07	6.11	2103439	10.07571

Single Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	Comments
<input type="checkbox"/> Tetrachloro-m-xylene	A	7.881086	0.4969	0.9937	0.9937		31.69	
<input checked="" type="checkbox"/> Tetrachloro-m-xylene-D1	A	7.881086	0.4969	0.9937	0.9937			
<input checked="" type="checkbox"/> Tetrachloro-m-xylene-D2	B	5.725162	0.4969	0.9937	0.9937			
<input type="checkbox"/> HCB			<0.2087	<0.4969	<0.8248			
<input checked="" type="checkbox"/> Alpha BHC			<0.1689	<0.5962	<0.8248	D2		
<input checked="" type="checkbox"/> Gamma BHC - Lindane			<0.2087	<0.5962	<0.8248	D1		
<input checked="" type="checkbox"/> Beta BHC			<0.4372	<0.8943	<0.9937	D2		
<input checked="" type="checkbox"/> Heptachlor			<0.308	<0.6161	<0.8248	D2		
<input checked="" type="checkbox"/> Delta BHC			<0.4472	<0.8943	<0.9937	D1		
<input checked="" type="checkbox"/> Aldrin			<0.1689	<0.5962	<0.8248	D1		
<input type="checkbox"/> Telodrin					<1.1924			
<input checked="" type="checkbox"/> Heptachlor Epoxide			<0.1689	<0.5962	<0.8248	D1		
<input type="checkbox"/> o,p-DDE			<0.3279	<0.8943	<1.6893			
<input checked="" type="checkbox"/> Gamma Chlordane			<0.2484	<0.5962	<0.8248	D1		

Reviewed and digitally signed by Dylan Schreiner on 11/19/2018 10:40:43

Data Summary

Sample Name: 9874411 **CFG** **T1302** **Sample ID:** AC **Batchnumber:** 183050038A
Sample Amount: 30.19 g **Total Volume:** 10 ml **Analyst:** 15222 **SDG:** TID13 **State:** NY
Analyses: 14587

Analysis Report (A)

Injected on Nov 14, 2018 04:32:30
Instrument 24952A
Result file 35PEST18271026.082.RAW
Calibration file 35PEST1827109
Method file 35PESTD

Analysis Report (B)

Injected on Nov 14, 2018 04:32:30
Instrument 24952B
Result file 35PEST18271026B.082.RAW
Calibration file 35PEST1827109B
Method file 35PESTD

Single Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	Comments
<input checked="" type="checkbox"/> Alpha Chlordane			<0.1689	<0.5962	<0.8248	D2		
<input checked="" type="checkbox"/> Endosulfan I			<0.2186	<0.5962	<0.8248	D2		
<input checked="" type="checkbox"/> p,p-DDE			<0.3279	<1.1924	<1.6893	D2		
<input checked="" type="checkbox"/> Dieldrin			<0.3279	<1.1924	<1.6893	D2		
<input type="checkbox"/> o,p-DDD			<0.3279	<0.8943	<1.6893			
<input checked="" type="checkbox"/> Endrin			<0.6757	<1.3912	<1.6893	D1		
<input type="checkbox"/> o,p-DDT			<0.3279	<0.8943	<1.6893			
<input checked="" type="checkbox"/> p,p-DDD			<0.3279	<1.1924	<1.6893	D2		
<input checked="" type="checkbox"/> Endosulfan II			<1.0931	<2.1862	<2.2855	D2		
<input checked="" type="checkbox"/> p,p-DDT			<0.785	<1.5899	<1.6893	D2		
<input checked="" type="checkbox"/> Endrin Aldehyde			<0.3279	<1.1924	<1.6893	D1		
<input checked="" type="checkbox"/> Endosulfan Sulfate			<0.3279	<1.1924	<1.6893	D1		
<input checked="" type="checkbox"/> Methoxychlor			<1.7887	<6.4591	<6.6578	D2		
<input checked="" type="checkbox"/> Endrin Ketone			<0.5962	<1.7887	<1.9874	D2		
<input type="checkbox"/> Mirex			<0.3478	<0.6956	<1.6893			
<input type="checkbox"/> Decachlorobiphenyl	B	10.07571	0.4969	0.9937	0.9937		5.93	
<input checked="" type="checkbox"/> Decachlorobiphenyl-D1	A	9.495324	0.4969	0.9937	0.9937			
<input checked="" type="checkbox"/> Decachlorobiphenyl-D2	B	10.07571	0.4969	0.9937	0.9937			

Multiple Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	Hits	Comments
<input checked="" type="checkbox"/> Chlordane			<3.9748	<7.9497	<16.893	D1		4	No Req.
<input checked="" type="checkbox"/> Toxaphene			<13.9119	<27.8238	<32.7923	D2		4	

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Valerio L. Tomayko
 Valerio L. Tomayko
 Principal Specialist

NOV 19 2018

Reviewed and digitally signed by Dylan Schreiner on 11/19/2018 10:40:43

Eurofins Lancaster Laboratories-Single Component Data Summary

Sample Name: 9874411 CFG T1302 ID: AC **Batchnumber:** 183050038A
Sample Amount: 30.19 g Total Volume: 10 ml Analyst: 2306 SDG: TID13 State: NY
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 04:32:30
 Instrument : CP35--24952A
 Result file : 35PEST18271026.082.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : 79% (42-129) Conc.: 7.881086
 %SSR(DCB) : 96% (39-152) Conc.: 9.495324

Analysis Report (B)

Injected on : Nov 14, 2018 04:32:30
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.082.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : 57% (42-129) Conc.: 5.725162
 %SSR(DCB) : 102% (39-152) Conc.: 10.07571

Peak name	Min	R.T.	Max	Height	Amount
TCX	1.79	1.80	1.83	3467881	7.881086
HCB	2.14	2.17	2.18	69565	0.099037
alpha-BHC	2.20	2.23	2.24	226842	0.339774
gamma-BHC	2.49	2.51	2.53	46315	0.081852
beta-BHC	2.69	2.70	2.73	154673	0.591033
Heptachlor	2.79	2.79	2.83	11156300 E	24.788500
Aldrin	3.07	3.08	3.11	24019	0.047020
Telodrin	3.18	3.19	3.22	115041	0.270930
o,p-DDE	3.73	3.76	3.77	104894	0.139631
a. Chlordane	3.79	3.81	3.83	100636	0.178449
Endosulfan I	3.82	3.84	3.86	556057	1.055886
4,4'-DDE	3.94	3.97	3.98	88669	0.155203
Dieldrin	4.02	4.04	4.06	269787	0.466765
o,p-DDD	4.07	4.08	4.11	119806	0.248916
Endrin	4.22	4.24	4.26	63732	0.123878
o,p-DDT	4.25	4.28	4.29	106411	0.215142
4,4'-DDD	4.30	4.32	4.34	215127	0.336011
Endosulfan II	4.39	4.40	4.43	196985	0.371477
4,4'-DDT	4.47	4.48	4.51	71696	0.198540
Endrin aldehyde	4.52	4.55	4.56	59127	0.131403
Endo. sulfate	4.63	4.67	4.67	27104	0.086047
Methoxychlor	4.84	4.85	4.88	87586	1.368488
Endrin ketone	4.95	4.98	4.99	30990	0.005133
Mirex	5.03	5.05	5.06	28639	0.072760
DCB	5.49	5.51	5.55	4792936	9.495324

Peak name	Min	R.T.	Max	Height	Amount
TCX	2.42	2.44	2.46	2112229	5.725162
alpha-BHC	2.76	2.78	2.80	15149	0.030156
HCB	2.85	2.86	2.89	32167	0.019933
gamma-BHC	3.06	3.08	3.10	44091	0.103078
beta-BHC	3.31	3.32	3.35	44055	0.150538
delta-BHC	3.53	3.55	3.57	92571	0.189037
Heptachlor	3.58	3.60	3.62	26252	0.061662
Aldrin	3.83	3.86	3.87	68996	0.150214
Telodrin	3.92	3.94	3.96	365137	1.128516
Hept. epoxide	4.13	4.15	4.17	129084	0.257612
o,p-DDE	4.24	4.26	4.28	130894	0.314750
g. Chlordane	4.34	4.35	4.38	78965	0.153440
a. Chlordane	4.37	4.39	4.41	52029	0.066616
Endosulfan I	4.39	4.41	4.43	25723	0.009588
4,4'-DDE	4.46	4.47	4.50	57983	0.129374
o,p-DDD	4.52	4.53	4.56	87847	0.198050
Dieldrin	4.55	4.57	4.59	48278	0.112051
Endrin	4.69	4.70	4.71	82479	0.175788
o,p-DDT	4.70	4.72	4.74	84798	0.160265
4,4'-DDD	4.75	4.77	4.79	144833	0.295518
Endosulfan II	4.83	4.84	4.86	30674	-0.004188
Endrin aldehyde	4.89	4.90	4.93	77223	0.195072
4,4'-DDT	4.92	4.94	4.96	57675	0.178792
Endo. sulfate	5.04	5.05	5.07	85684	0.160367
Methoxychlor	5.14	5.16	5.18	25013	0.145840
Endrin ketone	5.26	5.28	5.30	7306	-0.063095
Mirex	5.53	5.55	5.57	5880	-0.564280
DCB	6.05	6.07	6.11	2103439	10.075710

Summary Report

Compound Name	Column	Amount Found	LOQ	DL	Qualifiers	%RPD	Comments
<input type="checkbox"/> TCX	A	7.881086	0.9937	0.4969		31.69	
<input type="checkbox"/> HCB	B	0.010033	<0.8248	<0.2087		132.08	**
<input checked="" type="checkbox"/> alpha-BHC	B	0.030156	<0.8248	<0.1689		167.39	**
<input checked="" type="checkbox"/> gamma-BHC	B	0.103078	<0.8248	<0.2087		22.96	
<input checked="" type="checkbox"/> beta-BHC	B	0.150538	<0.9937	<0.4372		118.80	**
<input checked="" type="checkbox"/> Heptachlor	B	0.061662	<0.8248	<0.308		199.01	**
<input checked="" type="checkbox"/> delta-BHC			<0.9937	<0.4472			
<input checked="" type="checkbox"/> Aldrin	A	0.047020	<0.8248	<0.1689		104.64	**
<input type="checkbox"/> Telodrin	A	0.270930	<1.1924			122.56	**
<input checked="" type="checkbox"/> Hept. epoxide			<0.8248	<0.1689			
<input type="checkbox"/> o,p-DDE	A	0.139631	<1.6893	<0.3279		77.08	**
<input checked="" type="checkbox"/> g. Chlordane			<0.8248	<0.2484			
<input checked="" type="checkbox"/> a. Chlordane	B	0.066616	<0.8248	<0.1689		91.27	**
<input checked="" type="checkbox"/> Endosulfan I	B	0.009588	<0.8248	<0.2186		196.40	**

%RPD = High - Low Amount divided by the Average times 100

** %Difference > 40, lower amount found reported

* Recovery outside QC Limits

Higher Amount Found unless RPD > 40

Eurofins Lancaster Laboratories-Single Component Data Summary

Sample Name: 9874411 CFG T1302 ID: AC **Batchnumber:** 183050038A
Sample Amount: 30.19 g **Total Volume:** 10 ml **Analyst:** 2306 **SDG:** TID13 **State:** NY
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 04:32:30
 Instrument : CP35--24952A
 Result file : 35PEST18271026.082.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Analysis Report (B)

Injected on : Nov 14, 2018 04:32:30
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.082.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.MET

Summary Report

Compound Name	Column	Amount Found	LOQ	DL	Qualifiers	%RPD	Comments
<input checked="" type="checkbox"/> 4,4'-DDE	A	0.155203	<1.6893	<0.3279		18.15	
<input checked="" type="checkbox"/> Dieldrin	B	0.112051	<1.6893	<0.3279		122.57	**
<input type="checkbox"/> o,p-DDD	A	0.248916	<1.6893	<0.3279		22.76	LMDL
<input checked="" type="checkbox"/> Endrin	B	0.175788	<1.6893	<0.6757		34.65	
<input type="checkbox"/> o,p-DDT	A	0.215142	<1.6893	<0.3279		29.24	
<input checked="" type="checkbox"/> 4,4'-DDD	A	0.336011	<1.6893	0.3279	(J)	12.82	D2 LMDL
<input checked="" type="checkbox"/> Endosulfan II	B	-0.004188	<2.2855	<1.0931		204.56	** D1 LMDL
<input checked="" type="checkbox"/> 4,4'-DDT	A	0.198540	<1.6893	<0.785		10.47	
<input checked="" type="checkbox"/> Endrin aldehyde	B	0.195072	<1.6893	<0.3279		39.00	
<input checked="" type="checkbox"/> Endo. sulfate	A	0.086647	<1.6893	<0.3279		64.62	** LMDL
<input checked="" type="checkbox"/> Methoxychlor	B	0.145840	<6.6578	<1.7887		161.48	**
<input checked="" type="checkbox"/> Endrin ketone			<1.9874	<0.5962			
<input type="checkbox"/> Mirex			<1.6893	<0.3478			
<input type="checkbox"/> DCB	B	10.075710	0.9937	0.4969		5.93	

Units: ug/kg

Reviewed by: DJS 15522

Date: 11/19/18

Verified by: _____

Date: NOV 19 2018


 Valerie L. Tomayko
 Principal Specialist

%RPD = High - Low Amount divided by the Average times 100

** %Difference > 40, lower amount found reported

* Recovery outside QC Limits

Higher Amount Found unless RPD > 40

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9874411 CFG T1302 ID: AC **Batchnumber: 183050038A**
Sample Amount: 30.19 g Total Volume: 10 ml Analyst: 2306 SDG: TID13 State: NY
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 04:32:30
 Instrument : CP35--24952A
 Result file : 35PEST18271026.082.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : 79% (42-129) Conc.: 7.881086
 %SSR(DCB) : 96% (39-152) Conc.: 9.495324

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
2.17	2.20	2.23	9966.856	1.257912	6	116.12	1
+ 2.17	2.23	2.23	226842	28.62961			1
+ 2.45	2.46	2.51	12995.93	1.092857			2
2.45	2.50	2.51	60558.7	5.092516			2
+ 2.64	2.67	2.70	130916.5	18.733735			3
2.64	2.68	2.70	152712.7	21.852702			3
+ 2.64	2.70	2.70	154672.7	22.133171			3
+ 2.83	2.83	2.89	55008.02	2.585263			4
2.83	2.85	2.89	60319.77	2.834904			4
+ 2.83	2.88	2.89	12145.14	0.570796			4
+ 2.91	2.92	2.97	1485.203	0.120144			5
2.91	2.94	2.97	49198.3	3.979858			5
3.03	3.07	3.09	38117.2	4.313082			6
+ 3.03	3.08	3.09	24019.26	2.717855			6

Height Summation: 370873.526
 Amount Avg CF: 6.555162 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1221							
+ 2.04	2.04	2.08	55474.57	11.541562	3	82.12	1
2.04	2.07	2.08	3475.024	0.722984			1
+ 2.04	2.08	2.08	8130.328	1.691526			1
+ 2.12	2.13	2.16	78950.09	23.909553			2
2.12	2.15	2.16	10349.5	3.134283			2
2.18	2.20	2.22	9966.856	0.980165			3

Height Summation: 23791.38
 Amount Avg CF: 1.612477 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248							
+ 3.08	3.08	3.14	24019.26	2.126184	6	158.98	1
E 3.08	3.13	3.14	1248460	110.513634			1
+ 3.30	3.31	3.36	47023.82	3.128127			2
3.30	3.33	3.36	55196.72	3.671806			2
3.33	3.37	3.39	33644.57	6.571092			3
+ 3.57	3.58	3.63	364239.4	21.653257			4
* 3.57	3.62	3.63	143149.5	8.509933			4
+* 3.60	3.62	3.66	143149.5	7.791931			5
3.60	3.65	3.66	61844.14	3.366308			5
+ 4.00	4.02	4.06	86360.3	8.32697			6
4.00	4.04	4.06	269787	26.013205			6

Height Summation: 1812081.93
 Amount Avg CF: 26.440996 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 04:32:30
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.082.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : 57% (42-129) Conc.: 5.725162
 %SSR(DCB) : 102% (39-152) Conc.: 10.07571

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
2.73	2.76	2.79	31410.62	4.352996	6	68.73	1
+ 2.73	2.78	2.79	15149.09	2.099415			1
+ 3.05	3.06	3.11	163194.2	18.782062			2
3.05	3.08	3.11	44090.99	5.074443			2
3.23	3.27	3.29	114097.6	17.582229			3
+* 3.55	3.55	3.61	92571.19	8.318354			5
* 3.52	3.55	3.58	92571.19	5.048299			4
* 3.55	3.58	3.61	143101.4	12.858947			5
+* 3.52	3.58	3.58	143101.4	7.803926			4
+ 3.55	3.60	3.61	26251.56	2.358939			5
+ 3.64	3.64	3.70	39225.89	4.461256			6
3.64	3.65	3.70	38143.07	4.338105			6
+ 3.64	3.69	3.70	104780.8	11.916977			6

Height Summation: 463414.87
 Amount Avg CF: 8.20917 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1221							
2.60	2.61	2.64	57568	21.308755	3	167.75	1
E 2.66	2.68	2.70	3271362	1160.808218			2
2.74	2.76	2.78	31410.62	3.647015			3
+ 2.74	2.78	2.78	15149.09	1.758926			3

Height Summation: 3360340.62
 Amount Avg CF: 395.254663 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248							
3.72	3.73	3.78	74852.78	7.197674	6	24.59	1
+* 3.75	3.76	3.81	97653.16	10.004885			2
+* 3.72	3.76	3.78	97653.16	9.390107			1
3.75	3.79	3.81	89032.47	9.121667			2
3.86	3.88	3.92	84320.98	6.899942			3
+ 3.86	3.90	3.92	110281	9.024237			3
+ 3.86	3.92	3.92	87166.59	7.132797			3
4.16	4.19	4.22	111646.1	7.483776			4
+ 4.16	4.21	4.22	92223.04	6.181824			4
4.28	4.31	4.34	63547.54	5.65635			5
+ 4.28	4.32	4.34	113247.9	10.080166			5
+ 4.51	4.52	4.57	50570.86	6.438542			6
4.51	4.53	4.57	87846.73	11.184402			6
+ 4.51	4.57	4.57	48277.64	6.146575			6

Height Summation: 511246.6
 Amount Avg CF: 7.923969 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9874411 CFG T1302 ID: AC **Batchnumber:** 183050038A
Sample Amount: 30.19 g Total Volume: 10 ml Analyst: 2306 SDG: TID13 State: NY
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 04:32:30
 Instrument : CP35--24952A
 Result file : 35PEST18271026.082.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
3.60	3.62	3.66	143149.5	7.760334	6	48.65	1
+ 3.60	3.65	3.66	61844.14	3.352657			1
+ 3.70	3.70	3.76	114641.2	5.188525			2
3.70	3.73	3.76	113932.1	5.156432			2
3.94	3.97	4.00	88669.27	4.982288			3
+ 3.94	3.98	4.00	83291.2	4.680097			3
+ 3.94	3.99	4.00	78860.65	4.431146			3
+ 4.14	4.16	4.20	40154.12	1.768204			4
4.14	4.17	4.20	50250.94	2.212821			4
+ 4.14	4.19	4.20	65754.3	2.895518			4
+ 4.35	4.35	4.41	62374.62	4.133315			5
4.35	4.39	4.41	84217.95	5.580785			5
+ 4.35	4.40	4.41	196985.2	13.053416			5
+ 4.42	4.43	4.48	20192.36	0.847452			6
4.42	4.45	4.48	43202.3	1.813155			6
+ 4.42	4.46	4.48	46312.98	1.943707			6

Height Summation: 523422.06
 Amount Avg CF: 4.584302 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
+ 4.10	4.11	4.16	98079.78	3.916177	6	211.78	1
4.10	4.14	4.16	160140.2	63.941551			1
+ 4.10	4.16	4.16	40154.12	1.603293			1
+ 4.21	4.22	4.27	54200.97	1.817104			2
4.21	4.24	4.27	63732.32	2.133288			2
+ 4.42	4.43	4.48	20192.36	0.686206			3
4.42	4.45	4.48	43202.3	1.46816			3
+ 4.42	4.46	4.48	46312.98	1.573872			3
+ 4.60	4.62	4.66	65033.04	3.083109			4
4.60	4.63	4.66	70767.88	3.354988			4
4.72	4.74	4.78	44382.27	0.939479			5
+ 4.91	4.92	4.97	26638.09	0.745967			6
4.91	4.94	4.97	10272.08	0.287657			6
+ 4.91	4.95	4.97	42509.4	1.190424			6
+ 4.91	4.96	4.97	36996.02	1.036028			6

Height Summation: 1833758.85
 Amount Avg CF: 12.020854 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
2.64	2.67	2.68	130916.5	8.734284 ✓	5	133.51	1
+ 2.64	2.68	2.68	152712.7	10.188449 x			1
3.57	3.58	3.61	364239.4	27.623686 ✓			2
3.72	3.73	3.76	113932.1	2.159073 LMDL			3
+ 3.79	3.79	3.83	77893.84	1.817519 x			4
3.79	3.81	3.83	100636.2	2.348173 LMDL			4
+ 4.40	4.40	4.44	196985.2	9.789644 x			5
4.40	4.43	4.44	20192.36	1.003507 LMDL			5

Height Summation: 729916.56
 Amount Avg CF: 8.373745 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 04:32:30
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.082.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
4.14	4.15	4.20	129083.8	8.735581	6	48.72	1
+ 4.14	4.19	4.20	111646.1	7.555507			1
4.28	4.31	4.34	63547.54	3.245511			2
+ 4.28	4.32	4.34	113247.9	5.783816			2
+ 4.51	4.52	4.57	50570.86	2.04647			3
4.51	4.53	4.57	87846.73	3.554927			3
+ 4.51	4.57	4.57	48277.64	1.953669			3
+ 4.69	4.69	4.75	95568.88	5.009585			4
+ 4.69	4.70	4.75	82479.2	4.323442			4
4.69	4.72	4.75	84797.72	4.444976			4
+ 4.83	4.84	4.89	30673.67	2.527232			5
4.83	4.85	4.89	40329.54	3.322787			5
+ 4.83	4.87	4.89	23555.29	1.940742			5
+ 4.83	4.88	4.89	23729.26	1.955075			5
4.91	4.94	4.97	57674.93	3.268591			6
+ 4.91	4.97	4.97	32762.42	1.856733			6

Height Summation: 463280.26
 Amount Avg CF: 4.428729 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
+ 4.61	4.61	4.67	100163.2	5.71939	6	25.64	1
4.61	4.64	4.67	27793.71	1.587041			1
+ 4.61	4.65	4.67	56965.27	3.252757			1
+ 4.76	4.77	4.82	141833.2	6.588138			2
4.76	4.79	4.82	33696.79	1.532792			2
+ 4.76	4.81	4.82	174301.6	7.92859			2
4.91	4.94	4.97	57674.93	2.439641			3
+ 4.91	4.97	4.97	32762.42	1.385845			3
+ 5.08	5.08	5.14	39295.78	3.322601			4
5.08	5.10	5.14	28074.42	2.373794			4
+ 5.08	5.12	5.14	31060.87	2.62631			4
+ 5.08	5.13	5.14	3729.099	0.315309			4
+ 5.23	5.24	5.29	28413.05	0.903784			5
5.23	5.26	5.29	65487.89	2.083089			5
+ 5.23	5.28	5.29	7305.901	0.232392			5
+ 5.23	5.29	5.29	14237.65	0.452882			5
+ 5.38	5.39	5.44	17383.51	0.922012			6
5.38	5.41	5.44	24129.15	1.279797			6
+ 5.38	5.44	5.44	5569.716	0.295415			6

Height Summation: 236856.89
 Amount Avg CF: 1.882692 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9874411 CFG T1302 ID: AC **Batchnumber:** 183050038A
Sample Amount: 30.19 g Total Volume: 10 ml Analyst: 2306 SDG: TID13 State: NY
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 04:32:30
 Instrument : CP35--24952A
 Result file : 35PEST18271026.082.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
+ 4.35	4.35	4.39	62374.62	8.07134	5	38.58	1
4.35	4.39	4.39	84217.95	10.897889			1
+ 4.40	4.40	4.44	196985.2	27.539934			2
4.40	4.43	4.44	20192.36	2.823036			2
+ 4.57	4.58	4.61	65722.17	9.43303			3
4.57	4.59	4.61	55686	7.99255			3
4.78	4.79	4.82	45075.48	8.869752			4
4.85	4.85	4.89	87585.92	9.558796			5
+ 4.85	4.89	4.89	9431.92	1.029364			5

Height Summation: 292757.71
Amount Avg CF: 8.028404 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 04:32:30
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.082.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
3.42	3.43	3.46	189832.4	14.106208	5	92.46	1
4.17	4.19	4.21	111646.1	8.677838			2
+ 4.35	4.35	4.39	78964.83	1.551002			3
4.35	4.37	4.39	66244.54	1.301154			3
4.38	4.39	4.41	52029.15	1.541292			4
+ 4.38	4.41	4.41	25723.45	0.762022			4
+ 4.87	4.87	4.91	23555.29	1.709698			5
+ 4.87	4.88	4.91	23729.26	1.722325			5
4.87	4.89	4.91	53688.18	3.896813			5
+ 4.87	4.90	4.91	77222.62	5.604997			5

Height Summation: 473440.37
Amount Avg CF: 5.904661 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
4.70	4.72	4.74	84797.72	17.315204	5	71.70	1
+ 4.86	4.87	4.90	23555.29	4.160516			2
4.86	4.88	4.90	23729.26	4.191244			2
+ 4.86	4.89	4.90	53688.18	9.482817			2
+ 4.99	4.99	5.03	38385.52	6.410833			3
4.99	5.00	5.03	43666.74	7.292859			3
5.21	5.22	5.25	58002.03	14.292073			4
+ 5.21	5.24	5.25	28413.05	7.001158			4
+ 5.27	5.28	5.31	7305.901	1.145043			5
5.27	5.29	5.31	14237.65	2.231446			5
+ 5.27	5.30	5.31	10923.79	1.71207			5

Height Summation: 224433.4
Amount Avg CF: 9.064565 Linear:

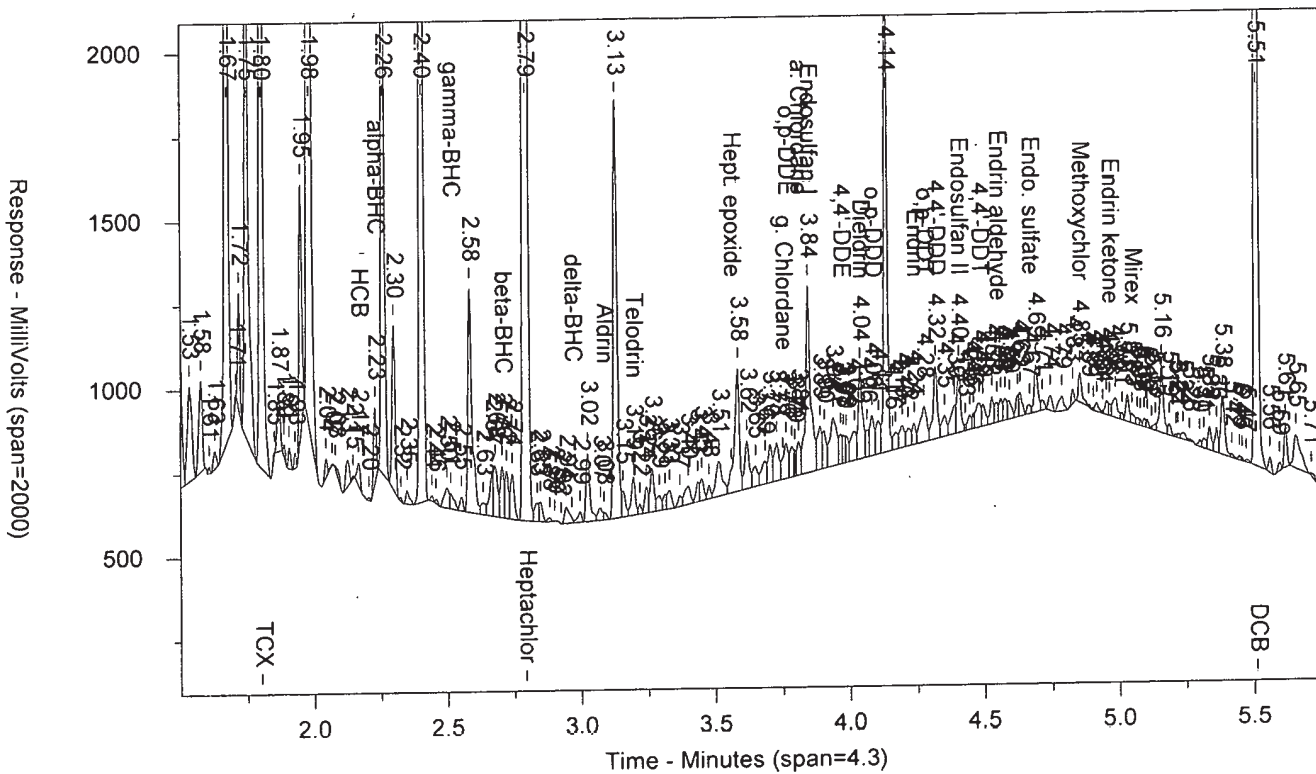
Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0	0		22.41	4	40	
Aroclor-1221			0	0		**198.37	3	5	
Aroclor-1248			0	0	E	**107.77	4	30	
Aroclor-1254			0	0		3.45	4	40	
Aroclor-1260			0	0		**145.84	4	40	
Chlordane			16.893	3.9748		34.58	4	40	
Toxaphene			32.7923	13.9119		12.12	4	40	

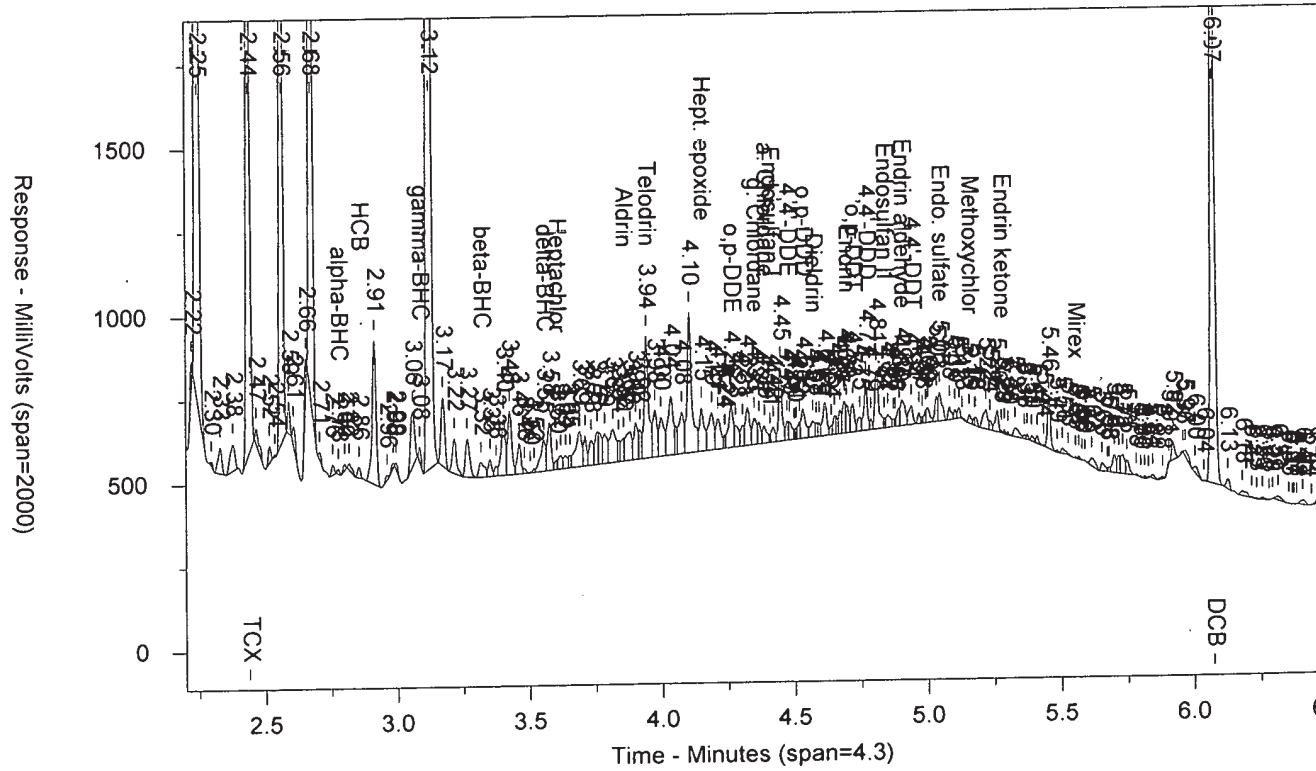
Units: ug/kg

9874411 CFG ACT1302 T 183050038A 14587 SW-846 8081B

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026.082.RAW



\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.082.RAW



Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: 9874411 CFG ACT1302 T 183050038A 14587 SW-846 8081B
 Injected On: 11/14/2018 4:32:30 AM Sample Weight: 30.19
 Instrument ID: CP35-24952 Dilution Factor: 10
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

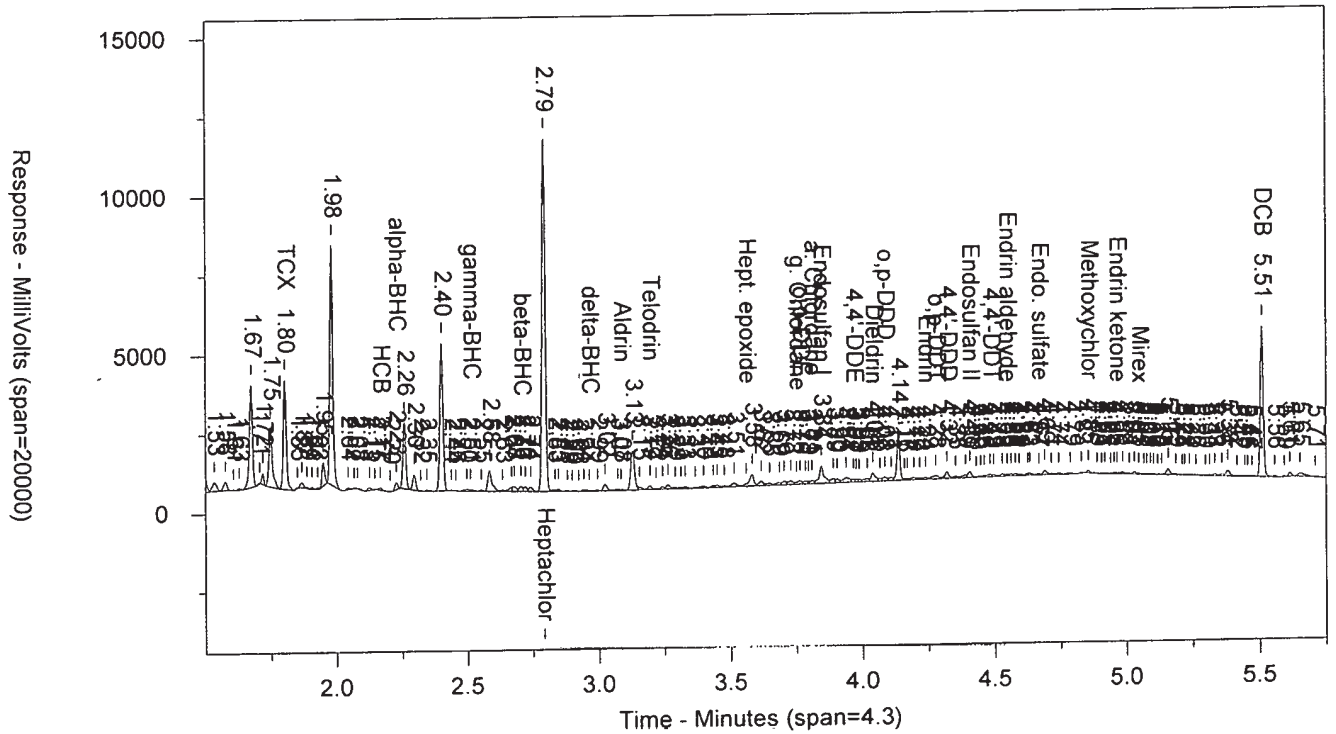
RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.802	3467881	7.881	TCX	2.438	2112229	5.725	TCX
2.166	69565	.099	HCB	2.856	32167	.02	HCB
2.227	226842	.34	alpha-BHC	2.777	15149	.03	alpha-BHC
2.512	46315	.082	gamma-BHC	3.084	44091	.103	gamma-BHC
2.703	154673	.591	beta-BHC	3.318	44055	.151	beta-BHC
2.792	11156300	24.789	Heptachlor	3.604	26252	.062	Heptachlor
3.085	24019	.047	Aldrin	3.856	68996	.15	Aldrin
3.195	115041	.271	Telodrin	3.943	365137	1.129	Telodrin
	0		delta-BHC	3.555	92571	.189	delta-BHC
3.763	104894	.14	o,p-DDE	4.263	130894	.315	o,p-DDE
3.809	100636	.178	a. Chlordane	4.387	52029	.067	a. Chlordane
3.844	556057	1.056	Endosulfan I	4.408	25723	.01	Endosulfan I
3.966	88669	.155	4,4'-DDE	4.474	57983	.129	4,4'-DDE
4.038	269787	.467	Dieldrin	4.569	48278	.112	Dieldrin
4.083	119806	.249	o,p-DDD	4.532	87847	.198	o,p-DDD
	0		Hept. epoxide	4.15	129084	.258	Hept. epoxide
4.238	63732	.124	Endrin	4.696	82479	.176	Endrin
4.276	106411	.215	o,p-DDT	4.72	84798	.16	o,p-DDT
4.318	215127	.336	4,4'-DDD	4.769	144833	.296	4,4'-DDD
	0		g. Chlordane	4.349	78965	.153	g. Chlordane
4.404	196985	.371	Endosulfan II	4.839	30674	-.004	Endosulfan II
4.482	71696	.199	4,4'-DDT	4.94	57675	.179	4,4'-DDT
4.547	59127	.131	Endrin aldehyde	4.904	77223	.195	Endrin aldehyde
4.668	27164	.087	Endo. sulfate	5.046	85684	.169	Endo. sulfate
4.854	87586	1.368	Methoxychlor	5.157	25013	.146	Methoxychlor
4.963	36996	.005	Endrin ketone	5.278	7306	-.063	Endrin ketone
5.047	28639	.073	Mirex	5.555	5880	-.564	Mirex
5.509	4792936	9.495	DCB	6.073	2103439	10.076	DCB

Files:

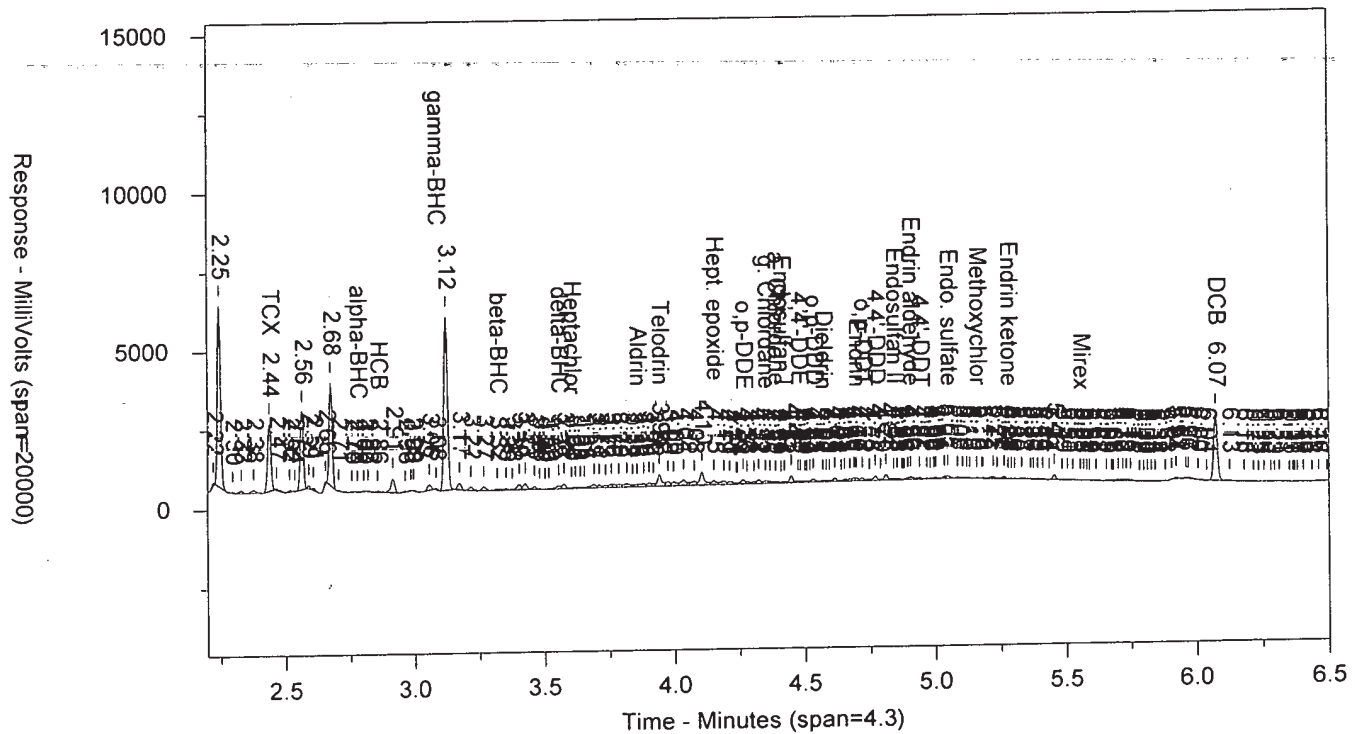
Area File: 35pest18271026.082.RAW
 Area File: 35pest18271026B.082.RAW
 Method A: 35PESTD.MET
 Method B: 35PESTDB.MET
 Calibration File A: 35pest1827109.CAL
 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 11/14/2018 4:39:52 AM
 File Reported On: 11/14/2018 at 8:55:13 AM

9874411 CFG ACT1302 T 183050038A 14587 SW-846 8081B

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\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.082.RAW



Data Summary

Sample Name: 9874412 **CFG DF50** **T1303** **Sample ID:AE** **Batchnumber: 183050038A**
Sample Amount: 30.29 g **Total Volume:** 500 ml **Analyst:** 15222 **SDG:** TID13 **State:** NY
Analyses: 14587

Analysis Report (A)

Injected on Nov 14, 2018 05:25:03
Instrument 24952A
Result file 35PEST18271026.087.RAW
Calibration file 35PEST1827109
Method file 35PESTD

%SSR(TCX) 101% (42 - 129) **Conc:** 10.01735
%SSR(DCB) * 368% (39 - 152) **Conc:** 36.11337

Analysis Report (B)

Injected on Nov 14, 2018 05:25:03
Instrument 24952B
Result file 35PEST18271026B.087.RAW
Calibration file 35PEST1827109B
Method file 35PESTD

%SSR(TCX) 80% (42 - 129) **Conc:** 7.980289
%SSR(DCB) * 342% (39 - 152) **Conc:** 33.61228

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	1.79	1.81	1.83	88450	10.01735	Tetrachloro-m-xylene	2.42	2.44	2.46	59080	7.980289
HCBC	2.14	2.17	2.18	167792	15.45348	Alpha BHC	2.76	2.78	2.80	46980	4.660516
Alpha BHC	2.20	2.23	2.24	80638	6.019223	HCBC	2.85	2.85	2.89	73135	6.315024
Gamma BHC - Lindane	2.49	2.52	2.53	30262	2.665209	Delta BHC	3.53	3.54	3.57	503251	51.21396
Beta BHC	2.69	2.71	2.73	231934	45.60313	Telodrin	3.92	3.94	3.96	1169253	188.1919
Heptachlor	2.79	2.79	2.83	1611530	178.4442	Heptachlor Epoxide	4.13	4.15	4.17	91977	7.961839
Delta BHC	2.94	2.95	2.98	86496	8.027395	o,p-DDE	4.24	4.27	4.28	20687	0
Heptachlor Epoxide	3.54	3.56	3.58	69459	6.860798	Gamma Chlordane	4.34	4.37	4.38	49499	4.08523
Gamma Chlordane	3.73	3.73	3.77	265042	23.59109	Alpha Chlordane	4.37	4.39	4.41	18512	0
o,p-DDE	3.73	3.76	3.77	97691	5.941004	p,p-DDE	4.46	4.48	4.50	98117	10.91012
Alpha Chlordane	3.79	3.80	3.83	103718	9.165287	o,p-DDD	4.52	4.54	4.56	112447	15.08837
Endosulfan I	3.82	3.85	3.86	508019	48.07418	Dieldrin	4.55	4.56	4.59	70097	8.107805
p,p-DDE	3.94	3.94	3.98	101585	8.861154	Endrin	4.69	4.70	4.71	38083	2.500145
Dieldrin	4.02	4.05	4.06	64858	5.592089	o,p-DDT	4.70	4.72	4.74	57911	2.76132
o,p-DDD	4.07	4.09	4.11	134694	14.73087	p,p-DDD	4.75	4.77	4.79	207184	22.88742
Endrin	4.22	4.23	4.26	39910	3.865862	Endosulfan II	4.83	4.85	4.86	25497	0
o,p-DDT	4.25	4.26	4.29	55232	3.347613	Endrin Aldehyde	4.89	4.92	4.93	21620	0.487827
p,p-DDD	4.30	4.32	4.34	342079	29.33607	p,p-DDT	4.92	4.95	4.96	47917	7.402608
Endosulfan II	4.39	4.41	4.43	28605	2.688282	Endosulfan Sulfate	5.04	5.06	5.07	32081	0.746358
p,p-DDT	4.47	4.48	4.51	70611	9.744594	Methoxychlor	5.14	5.16	5.18	22778	6.61848
Endrin Aldehyde	4.52	4.54	4.56	53442	5.918757	Endrin Ketone	5.26	5.26	5.30	128397	11.88288
Endosulfan Sulfate	4.63	4.63	4.67	224135	25.63305	Decachlorobiphenyl	6.05	6.07	6.11	166835	33.61228
Methoxychlor	4.84	4.86	4.88	58080	60.69014						
Endrin Ketone	4.95	4.97	4.99	48995	1.331501						
Mirex	5.03	5.05	5.06	5740	0.726742						
Decachlorobiphenyl	5.49	5.51	5.55	330225	36.11337						

Single Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	Comments
<input type="checkbox"/> Tetrachloro-m-xylene	A	10.01735	<24.7606	<49.5213	<49.5213	J	22.64	
<input checked="" type="checkbox"/> Tetrachloro-m-xylene-D1	A	10.01735	<24.7606	<49.5213	<49.5213	J		
<input checked="" type="checkbox"/> Tetrachloro-m-xylene-D2	B	7.980289	<24.7606	<49.5213	<49.5213	J		
<input type="checkbox"/> HCB			<10.3995	<24.7606	<41.1027			
<input checked="" type="checkbox"/> Alpha BHC			<8.4186	<29.7128	<41.1027	D2		
<input checked="" type="checkbox"/> Gamma BHC - Lindane			<10.3995	<29.7128	<41.1027	D2		
<input checked="" type="checkbox"/> Beta BHC			<21.7894	<44.5692	<49.5213	D2		
<input checked="" type="checkbox"/> Heptachlor			<15.3516	<30.7032	<41.1027	D2		
<input checked="" type="checkbox"/> Delta BHC			<22.2846	<44.5692	<49.5213	D1		
<input checked="" type="checkbox"/> Aldrin			<8.4186	<29.7128	<41.1027	D1		
<input type="checkbox"/> Telodrin					<59.4256			
<input checked="" type="checkbox"/> Heptachlor Epoxide			<8.4186	<29.7128	<41.1027	D1		
<input type="checkbox"/> o,p-DDE			<16.342	<44.5692	<84.1862			
<input checked="" type="checkbox"/> Gamma Chlordane			<12.3803	<29.7128	<41.1027	D2		
<input checked="" type="checkbox"/> Alpha Chlordane			<8.4186	<29.7128	<41.1027	D2		
<input checked="" type="checkbox"/> Endosulfan I			<10.8947	<29.7128	<41.1027	D2		

Reviewed and digitally signed by Dylan Schreiner on 11/19/2018 10:41:15

Data Summary

Sample Name: **9874412** CFG DF50 T1303 Sample ID: AE Batchnumber: **183050038A**
 Sample Amount: 30.29 g Total Volume: 500 ml Analyst: 15222 SDG: TID13 State: NY
 Analyses: 14587

Analysis Report (A)

Injected on Nov 14, 2018 05:25:03
 Instrument 24952A
 Result file 35PEST18271026.087.RAW
 Calibration file 35PEST1827109
 Method file 35PESTD

Analysis Report (B)

Injected on Nov 14, 2018 05:25:03
 Instrument 24952B
 Result file 35PEST18271026B.087.RAW
 Calibration file 35PEST1827109B
 Method file 35PESTD

Single Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	Comments
<input checked="" type="checkbox"/> p,p-DDE			<16.342	<59.4256	<84.1862	D1		
<input checked="" type="checkbox"/> Dieldrin			<16.342	<59.4256	<84.1862	D1		
<input type="checkbox"/> o,p-DDD			<16.342	<44.5692	<84.1862			
<input checked="" type="checkbox"/> Endrin			<33.6745	<69.3298	<84.1862	D2		
<input type="checkbox"/> o,p-DDT			<16.342	<44.5692	<84.1862			
<input checked="" type="checkbox"/> p,p-DDD	A	29.33607	16.342	<59.4256	<84.1862	JD1	24.70	
<input checked="" type="checkbox"/> Endosulfan II			<54.4734	<108.9468	<113.899	D2		
<input checked="" type="checkbox"/> p,p-DDT			<39.1218	<79.2341	<84.1862	D2		
<input checked="" type="checkbox"/> Endrin Aldehyde			<16.342	<59.4256	<84.1862	D2		
<input checked="" type="checkbox"/> Endosulfan Sulfate			<16.342	<59.4256	<84.1862	D2		
<input checked="" type="checkbox"/> Methoxychlor			<89.1383	<321.8884	<331.7927	D2		
<input checked="" type="checkbox"/> Endrin Ketone			<29.7128	<89.1383	<99.0426	D1		
<input type="checkbox"/> Mirex			<17.3325	<34.6649	<84.1862			
<input type="checkbox"/> Decachlorobiphenyl	A	36.11337	24.7606	<49.5213	<49.5213	J	7.17	
<input checked="" type="checkbox"/> Decachlorobiphenyl-D1	A	36.11337	24.7606	<49.5213	<49.5213	J		
<input checked="" type="checkbox"/> Decachlorobiphenyl-D2	B	33.61228	24.7606	<49.5213	<49.5213	J		

Multiple Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	No Req. Hits	Comments
<input checked="" type="checkbox"/> Chlordane			<198.0852	<396.1703	<841.862	D1		4	
<input checked="" type="checkbox"/> Toxaphene			<693.2981	<1386.5962	<1634.2027	D2		4	

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Valerie L. Tomayko
 Valerie L. Tomayko
 Principal Specialist

NOV 19 2018

Eurofins Lancaster Laboratories-Single Component Data Summary

Sample Name: 9874412 CFG DF50 T1303 ID: AE **Batchnumber:** 183050038A
Sample Amount: 30.29 g Total Volume: 500 ml Analyst: 2306 SDG: TID13 State: NY
Analyses: 14587

Diluted for matrix

Analysis Report (A)

Injected on : Nov 14, 2018 05:25:03
 Instrument : CP35--24952A
 Result file : 35PEST18271026.087.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : 101% (42-129) Conc.: 10.01735
 %SSR(DCB) : *368% (39-152) Conc.: 36.11337

Analysis Report (B)

Injected on : Nov 14, 2018 05:25:03
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.087.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : 80% (42-129) Conc.: 7.980289
 %SSR(DCB) : *342% (39-152) Conc.: 33.61228

Peak name	Min	R.T.	Max	Height	Amount
TCX	1.79	1.81	1.83	88450	10.017350
HCB	2.14	2.17	2.18	167792	15.453480
alpha-BHC	2.20	2.23	2.24	80638	6.019223
gamma-BHC	2.49	2.52	2.53	30262	2.665209
beta-BHC	2.69	2.71	2.73	231934	45.603130
Heptachlor	2.79	2.79	2.83	1611530	178.444200
delta-BHC	2.94	2.95	2.98	86496	8.027395
Hept. epoxide	3.54	3.56	3.58	69459	6.860798
o,p-DDE	3.73	3.76	3.77	97691	5.941004
g. Chlordane	3.73	3.73	3.77	265042	23.591090
a. Chlordane	3.79	3.80	3.83	103718	9.165287
Endosulfan I	3.82	3.85	3.86	508019	48.074180
4,4'-DDE	3.94	3.94	3.98	101585	8.861154
Dieldrin	4.02	4.05	4.06	64858	5.592089
o,p-DDD	4.07	4.09	4.11	134694	14.730870
Endrin	4.22	4.23	4.26	39910	3.865862
o,p-DDT	4.25	4.26	4.29	55232	3.347613
4,4'-DDD	4.30	4.32	4.34	342079	29.336070
Endosulfan II	4.39	4.41	4.43	28605	2.688282
4,4'-DDT	4.47	4.48	4.51	70611	9.744594
Endrin aldehyde	4.52	4.54	4.56	53442	5.918757
Endo. sulfate	4.63	4.63	4.67	224135	25.633050
Methoxychlor	4.84	4.86	4.88	58080	60.690140
Endrin ketone	4.95	4.97	4.99	48995	1.331501
Mirex	5.03	5.05	5.06	5740	0.726743
DCB	5.49	5.51	5.55	330225	36.113370

Peak name	Min	R.T.	Max	Height	Amount
TCX	2.42	2.44	2.46	59080	7.980289
alpha-BHC	2.76	2.78	2.80	46980	4.660516
HCB	2.85	2.85	2.89	73135	6.315024
delta-BHC	3.53	3.54	3.57	503251	51.213960
Telodrin	3.92	3.94	3.96	1169253	188.191900
Hept. epoxide	4.13	4.15	4.17	91977	7.961839
o,p-DDE	4.24	4.27	4.28	20687	-5.104289
g. Chlordane	4.34	4.37	4.38	49499	4.085230
a. Chlordane	4.37	4.39	4.41	18512	-0.861768
4,4'-DDE	4.46	4.48	4.50	98117	10.910120
o,p-DDD	4.52	4.54	4.56	112447	15.088370
Dieldrin	4.55	4.56	4.59	70097	8.107805
Endrin	4.69	4.70	4.71	38083	2.500145
o,p-DDT	4.70	4.72	4.74	57911	2.761320
4,4'-DDD	4.75	4.77	4.79	207184	22.887420
Endosulfan II	4.83	4.85	4.86	25497	-0.909455
Endrin aldehyde	4.89	4.92	4.93	21620	0.487827
4,4'-DDT	4.92	4.95	4.96	47917	7.402608
Endo. sulfate	5.04	5.06	5.07	32081	0.746358
Methoxychlor	5.14	5.16	5.18	22778	6.610480
Endrin ketone	5.26	5.26	5.30	128397	11.882880
DCB	6.05	6.07	6.11	166835	33.612280

(B) a. chlordane $\frac{18512}{145125} \times \frac{500}{30.29} = 2.10563$
LMOC

Summary Report

Compound Name	Column	Amount Found	LOQ	DL	Qualifiers	%RPD	Comments
<input type="checkbox"/> TCX	A	10.017350	<49.5213	<24.7606		22.64	
<input type="checkbox"/> HCB	B	6.315024	<41.1027	<10.3995		83.96	**
<input checked="" type="checkbox"/> alpha-BHC	A	6.019223	<41.1027	<8.4186		25.44	LMOC
<input checked="" type="checkbox"/> gamma-BHC			<41.1027	<10.3995			
<input checked="" type="checkbox"/> beta-BHC			<49.5213	<21.7894			
<input checked="" type="checkbox"/> Heptachlor			<41.1027	<15.3516			
<input checked="" type="checkbox"/> delta-BHC	A	8.027395	<49.5213	<22.2846		145.80	** LMOC
<input checked="" type="checkbox"/> Aldrin			<41.1027	<8.4186			
<input type="checkbox"/> Telodrin			<59.4256				
<input checked="" type="checkbox"/> Hept. epoxide	B	7.961839	<41.1027	<8.4186		14.86	LMOC
<input type="checkbox"/> o,p-DDE	B	-5.104289	<84.1862	<16.342		2640.16	**
<input checked="" type="checkbox"/> g. Chlordane	B	4.085230	<41.1027	<12.3803		140.96	** LMOC
<input checked="" type="checkbox"/> a. Chlordane	B	-0.861768	<41.1027	<8.4186		241.51	** D2 LMOC
<input checked="" type="checkbox"/> Endosulfan I			<41.1027	<10.8947			
<input checked="" type="checkbox"/> 4,4'-DDE	B	10.910120	<84.1862	<16.342		20.73	LMOC
<input checked="" type="checkbox"/> Dieldrin	B	8.107805	<84.1862	<16.342		36.73	LMOC

%RPD = High - Low Amount divided by the Average times 100

** %Difference > 40, lower amount found reported

* Recovery outside QC Limits

Higher Amount Found unless RPD > 40

Eurofins Lancaster Laboratories-Single Component Data Summary

Sample Name: 9874412 CFG DF50 T1303 ID: AE **Batchnumber:** 183050038A
Sample Amount: 30.29 g **Total Volume:** 500 ml **Analyst:** 2306 **SDG:** TID13 **State:** NY
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 05:25:03
 Instrument : CP35--24952A
 Result file : 35PEST18271026.087.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

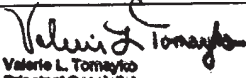
Analysis Report (B)

Injected on : Nov 14, 2018 05:25:03
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.087.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDDB.MET

Summary Report

Compound Name	Column	Amount Found	LOQ	DL	Qualifiers	%RPD	Comments
<input type="checkbox"/> o,p-DDD	B	15.088370	<84.1862	<16.342		2.40	
<input checked="" type="checkbox"/> Endrin	B	2.500145	<84.1862	<33.6745		42.91	** LMOC
<input type="checkbox"/> o,p-DDT	A	3.347613	<84.1862	<16.342		19.19	
<input checked="" type="checkbox"/> 4,4'-DDD	A	29.336070	<84.1862	16.342	(J)	24.70	
<input checked="" type="checkbox"/> Endosulfan II	B	-0.909455	<113.899	<54.4734		404.51	** DI LMOC
<input checked="" type="checkbox"/> 4,4'-DDT	A	9.744594	<84.1862	<39.1218		27.32	
<input checked="" type="checkbox"/> Endrin aldehyde	B	0.487827	<84.1862	<16.342		169.54	** LMOC
<input checked="" type="checkbox"/> Endo. sulfate	B	0.746358	<84.1862	<16.342		188.68	** LMOC
<input checked="" type="checkbox"/> Melhoxychlor	B	6.618480	<331.7927	<89.1383		160.67	** LMOC
<input checked="" type="checkbox"/> Endrin ketone	A	1.331501	<99.0426	<29.7128		159.70	** LMOC
<input type="checkbox"/> Mirex			<84.1862	<17.3325			
<input type="checkbox"/> DCB	A	36.113370	<49.5213	24.7606	J	7.17	

Units: ug/kg


 Valerie L. Tomayko
 Principal Specialist

Reviewed by: DSS 15222
 Date: 11/19/18

Verified by: _____
 Date: NOV 19 2018

%RPD = High - Low Amount divided by the Average times 100

Higher Amount Found unless RPD > 40

** %Difference > 40, lower amount found reported

* Recovery outside QC Limits

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9874412 CFG DF50 T1303 ID: AE **Batchnumber:** 183050038A
Sample Amount: 30.29 g **Total Volume:** 500 ml **Analyst:** 2306 **SDG:** TID13 **State:** NY
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 05:25:03
 Instrument : CP35--24952A
 Result file : 35PEST18271026.087.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : 101% (42-129) Conc.: 10.01735
 %SSR(DCB) : *368% (39-152) Conc.: 36.11337

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
2.17	2.17	2.23	167791.8	1055.350066	6	197.97	1
+ 2.17	2.23	2.23	80638.05	507.184328			1
+ 2.45	2.46	2.51	440018.5	1843.998859			2
2.45	2.48	2.51	61495.63	257.7116			2
E 2.64	2.68	2.70	1570375	11198.689329			3
+ 2.83	2.83	2.89	53152.11	124.489593			4
2.83	2.86	2.89	67109.55	157.179848			4
+ 2.83	2.88	2.89	51066.9	119.605743			4
+ 2.91	2.91	2.97	24164.16	97.414363			5
2.91	2.95	2.97	86496	348.696283			5
3.03	3.05	3.09	60177.7	339.340829			6
+ 3.03	3.07	3.09	69179.56	390.102134			6

Height Summation: 2013445.68
Amount Avg CF: 2226.161326 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1221							
+ 2.04	2.05	2.08	104202.9	1080.39928	2	130.02	1
2.04	2.07	2.08	11044.25	114.509287			1
2.12	2.13	2.16	180717.3	2727.422346			2

Height Summation: 191761.55
Amount Avg CF: 1420.965816 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248							
3.08	3.13	3.14	82825.65	365.375923	6	117.20	1
+ 3.30	3.31	3.36	78112.35	258.952412			2
+* 3.33	3.33	3.39	255534	2487.167875			3
* 3.30	3.33	3.36	255534	847.127832			2
3.33	3.36	3.39	34254.82	333.409597			3
3.57	3.59	3.63	1017807	3015.335071			4
3.60	3.64	3.66	195148.2	529.363075			5
+ 3.60	3.65	3.66	79260.95	215.004905			5
4.00	4.05	4.06	64857.88	311.651659			6

Height Summation: 1650427.55
Amount Avg CF: 900.377193 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 05:25:03
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.087.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : 80% (42-129) Conc.: 7.980289
 %SSR(DCB) : *342% (39-152) Conc.: 33.61228

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
+ 2.73	2.73	2.79	438200.9	3026.347812	6	72.03	1
2.73	2.75	2.79	21459.78	148.207724			1
+ 2.73	2.78	2.79	46979.78	324.456555			1
3.05	3.06	3.11	197391.6	1132.142421			2
3.23	3.27	3.29	40089.68	307.867504			3
+ 3.52	3.54	3.58	503250.9	1367.689944			4
* 3.55	3.56	3.61	401594.4	1798.386438			5
* 3.52	3.56	3.58	401594.4	1091.417069			4
+ 3.64	3.65	3.70	32051.8	181.66474			6
3.64	3.68	3.70	109937.9	623.111339			6

Height Summation: 1172067.76
Amount Avg CF: 850.188749 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1221							
2.60	2.61	2.64	33449.17	617.015577	3	172.92	1
E 2.66	2.68	2.70	37788500	668229.072657			2
2.74	2.75	2.78	21459.78	124.170979			3
+ 2.74	2.78	2.78	46979.78	271.835278			3

Height Summation: 37843408.95
Amount Avg CF: 222990.086404 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248							
3.72	3.73	3.78	112380.1	538.520990	6	66.80	1
* 3.75	3.77	3.81	63146.25	322.409045			2
* 3.72	3.77	3.78	63146.25	302.597705			1
+ 3.75	3.79	3.81	68487.3	349.679118			2
3.86	3.88	3.92	20905.72	85.252823			3
+ 3.86	3.91	3.92	212864	868.05223			3
4.16	4.19	4.22	38604.2	128.957204			4
+ 4.16	4.21	4.22	4897.607	16.36044			4
4.28	4.30	4.34	82016.59	363.808707			5
+ 4.28	4.33	4.34	101600.1	450.677125			5
4.51	4.54	4.57	112446.7	713.456897			6
+ 4.51	4.56	4.57	70097.02	444.754736			6

Height Summation: 429499.56
Amount Avg CF: 358.735279 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9874412 CFG DF50 T1303 ID: AE Batchnumber: 183050038A
Sample Amount: 30.29 g Total Volume: 500 ml Analyst: 2306 SDG: TID13 State: NY
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 05:25:03
 Instrument : CP35--24952A
 Result file : 35PEST18271026.087.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
3.60	3.64	3.66	195148.2	527.21645	6	87.25	1
+ 3.60	3.65	3.66	79260.95	214.133037			1
+ 3.70	3.71	3.76	16108.8	36.332912			2
3.70	3.73	3.76	265042.2	597.794687			2
+ 3.70	3.76	3.76	97691.43	220.340073			2
+ 3.94	3.94	4.00	101585.2	284.459219			3
3.94	3.99	4.00	99791.65	279.436915			3
+ 4.14	4.14	4.20	266284.6	584.362135			4
4.14	4.19	4.20	40092.04	87.982069			4
+ 4.35	4.36	4.41	31090.28	102.671301			5
4.35	4.38	4.41	36380.55	120.141678			5
+ 4.42	4.43	4.48	2288.601	4.786653			6
4.42	4.45	4.48	15241.21	31.877284			6
+ 4.42	4.47	4.48	41000.4	85.753125			6

Height Summation: 651695.85
Amount Avg CF: 274.074847 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
4.10	4.14	4.16	266284.6	529.861905	6	96.74	1
4.21	4.23	4.27	39909.75	66.573679			2
+ 4.21	4.26	4.27	55231.63	92.132194			2
+ 4.42	4.43	4.48	2288.601	3.875882			3
4.42	4.45	4.48	15241.21	25.811894			3
+ 4.42	4.47	4.48	41000.4	69.436613			3
4.60	4.63	4.66	224134.5	529.538329			4
4.72	4.75	4.78	149872	168.099939			5
+ 4.72	4.77	4.78	20298.84	21.413242			5
4.91	4.96	4.97	85003.62	118.628173			6
+ 4.91	4.97	4.97	48995.02	68.37579			6

Height Summation: 780445.68
Amount Avg CF: 238.085653 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
3.57	3.59	3.61	1017807	3846.750214 ✓	4	176.48	2
3.72	3.73	3.76	265042.2	250.305341 ✓			3
+ 3.72	3.76	3.76	97691.43	92.259597 ✓			3
3.79	3.80	3.83	103717.9	120.604492 LMDL			4
+ 4.40	4.41	4.44	28605.04	70.845083 ✓			5
4.40	4.43	4.44	2288.601	5.668097 LMDL			5

Height Summation: 1388855.701
Amount Avg CF: 1055.832036 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
4.35	4.36	4.39	31090.28	200.491609 LMDL	4	138.08	1
+ 4.35	4.38	4.39	36380.55	234.606925 ✓			1
+ 4.40	4.41	4.44	28605.04	199.299267 ✓			2
4.40	4.43	4.44	2288.601	15.945319 LMDL			2
4.78	4.79	4.82	151714.6	1487.758112 ✓			4
+ 4.85	4.86	4.89	58079.94	315.884929 ✓			5
4.85	4.87	4.89	45624.96	248.144837 LMDL			5

Height Summation: 230718.441
Amount Avg CF: 488.084969 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 05:25:03
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.087.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
4.14	4.15	4.20	91976.68	310.192726	6	38.84	1
+ 4.14	4.19	4.20	38604.2	130.193241			1
4.28	4.30	4.34	82016.59	208.74682			2
+ 4.28	4.33	4.34	101600.1	258.590339			2
4.51	4.54	4.57	112446.7	226.770002			3
+ 4.51	4.56	4.57	70097.02	141.363876			3
+ 4.69	4.70	4.75	38083	99.483311			4
4.69	4.72	4.75	57910.55	151.278346			4
+ 4.83	4.85	4.89	25496.97	104.689158			5
4.83	4.86	4.89	26443.99	108.57757			5
+ 4.91	4.92	4.97	21620.43	61.062087			6
4.91	4.95	4.97	47917.17	135.33137			6
+ 4.91	4.97	4.97	22218.52	62.751259			6

Height Summation: 418711.68
Amount Avg CF: 190.149472 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
+ 4.61	4.62	4.67	26231.8	74.645468	6	67.90	1
4.61	4.65	4.67	78572.16	223.585711			1
+ 4.76	4.77	4.82	207183.5	469.659997			2
4.76	4.79	4.82	58608.61	132.858648			2
+ 4.76	4.81	4.82	21777.8	49.367645			2
+ 4.91	4.92	4.97	21620.43	45.57608			3
4.91	4.95	4.97	47917.17	101.009867			3
+ 4.91	4.97	4.97	22218.52	46.83686			3
+ 5.08	5.09	5.14	33360.61	140.572427			4
5.08	5.11	5.14	133201.8	561.275718			4
+ 5.08	5.14	5.14	6636.494	27.964359			4
+ 5.23	5.25	5.29	69320.92	109.886667			5
5.23	5.26	5.29	128396.9	203.533181			5
+ 5.38	5.39	5.44	24111.53	63.732043			6
5.38	5.41	5.44	88190.18	233.105919			6

Height Summation: 534886.82
Amount Avg CF: 242.561507 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
3.42	3.43	3.46	58193.87	215.501857 ✓	4	80.00	1
4.17	4.19	4.21	38604.2	149.532769 LMDL			2
4.35	4.37	4.39	49498.96	48.451656 LMDL			3
4.38	4.39	4.41	18511.69	27.328639 LMDL			4

Height Summation: 164808.72
Amount Avg CF: 110.20373 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9874412 CFG DF50 T1303 ID: AE **Batchnumber:** 183050038A
Sample Amount: 30.29 g **Total Volume:** 500 ml **Analyst:** 2306 **SDG:** TID13 **State:** NY
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 05:25:03
 Instrument : CP35--24952A
 Result file : 35PEST18271026.087.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Analysis Report (B)

Injected on : Nov 14, 2018 05:25:03
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.087.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDDB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
+ 4.70	4.70	4.74	38083	387.532778X	4	43.04	1
4.70	4.72	4.74	57910.55	589.298015 LMAC			1
+ 4.99	5.00	5.03	43825.3	364.758813X			3
4.99	5.01	5.03	23078.01	192.07872 LMDL			3
+ 4.99	5.02	5.03	49709.13	413.730043X			3
+ 5.21	5.22	5.25	32691.47	401.439697X			4
5.21	5.23	5.25	32292.81	396.544293 LMDL			4
5.27	5.29	5.31	44215.82	345.350115 LMDL			5
+ 5.27	5.30	5.31	48367.63	377.778057X			5
Height Summation:			157497.19				
Amount Avg CF:			380.817786	Linear:			

Summary Report

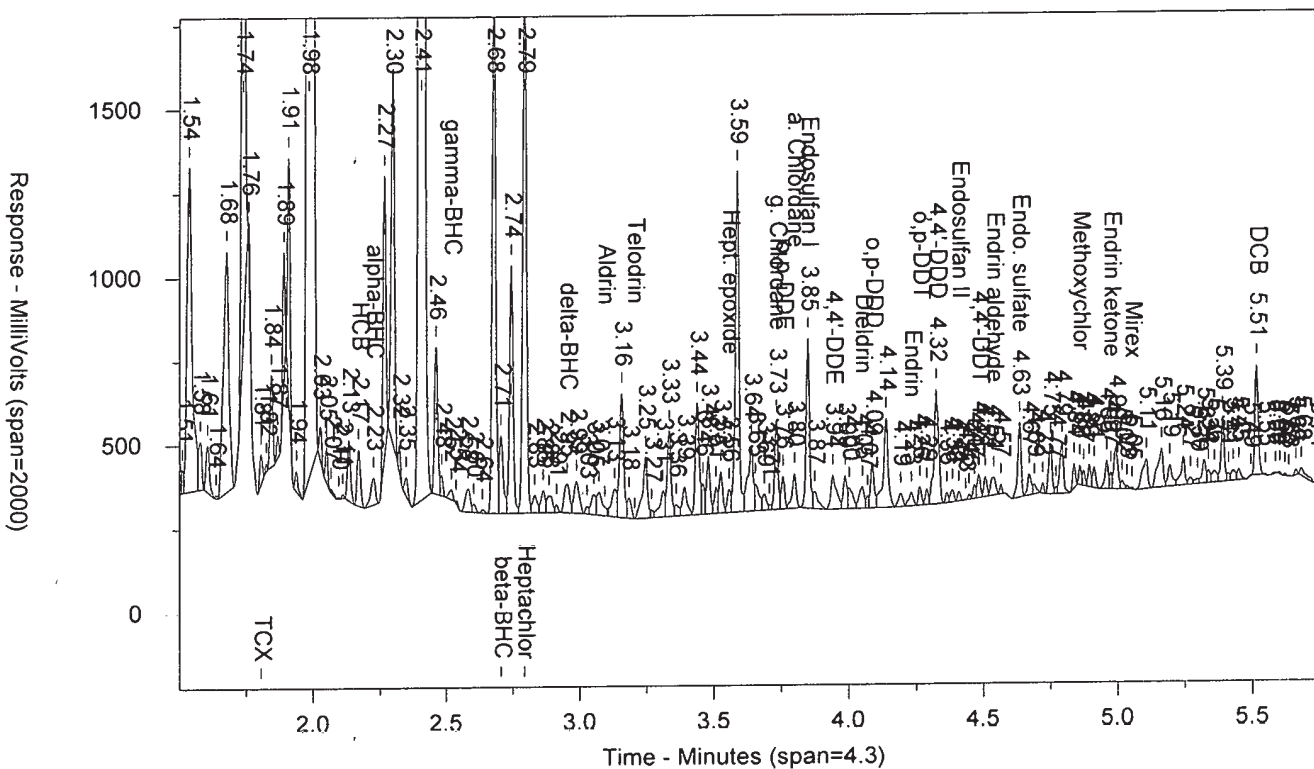
Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0	0	E	** 89.45	4	40	
Aroclor-1221			0	0		** 197.47	3	5	
Aroclor-1248			0	0		** 86.04	4	30	
Aroclor-1254			0	0		36.16	4	40	
Aroclor-1260			0	0		1.86	4	40	
Chlordane			841.862	198.0852		** 162.20	4	40	
Toxaphene			1634.2027	693.2981		24.69	4	40	

Units: ug/kg

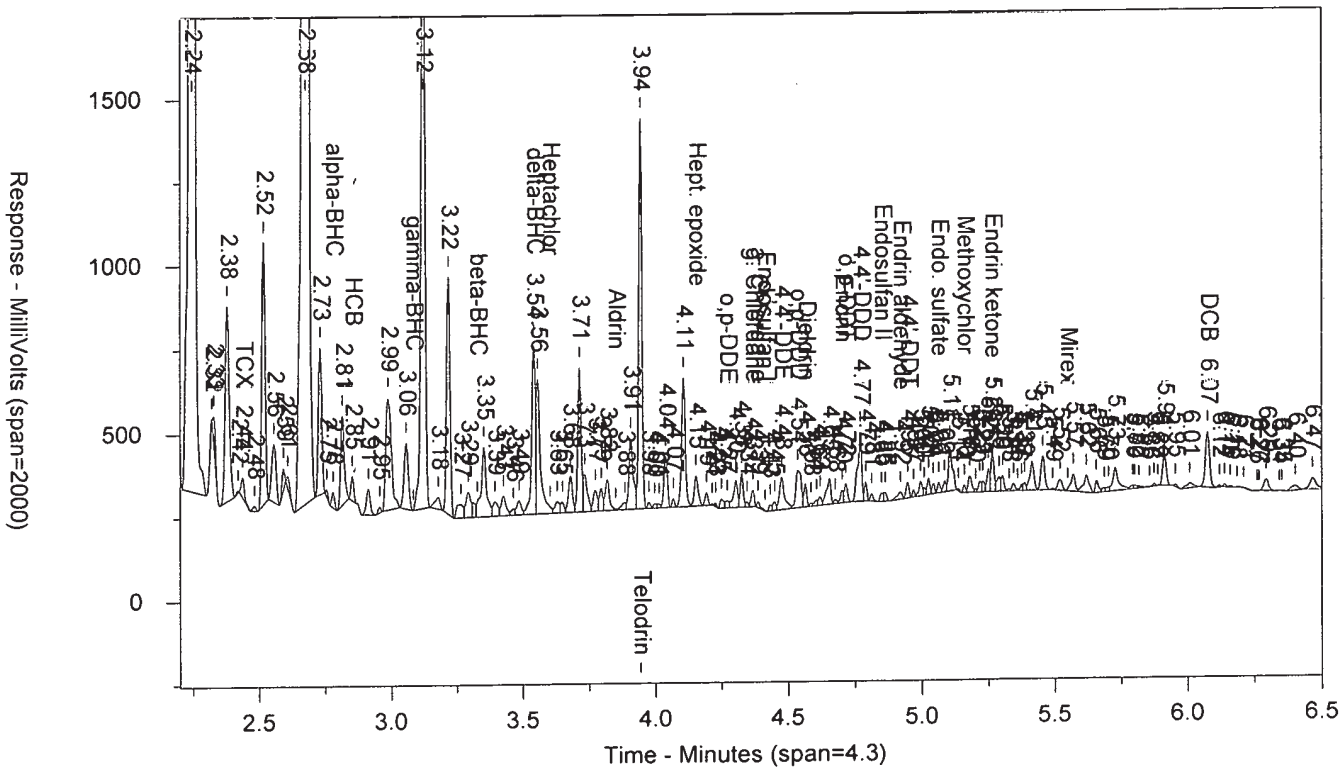
9874412 CFG DF50 AET1303 T 183050038A 14587

SW-846 8081B

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: 9874412 CFG DF50 AET1303 T 183050038A 14587 SW-846 8081B
 Injected On: 11/14/2018 5:25:03 AM Sample Weight: 30.29
 Instrument ID: CP35-24952 Dilution Factor: 500
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.805	88450	10.017	TCX	2.437	59080	7.98	TCX
2.17	167792	15.453	HCB	2.852	73135	6.315	HCB
2.226	80638	6.019	alpha-BHC	2.779	46980	4.661	alpha-BHC
2.52	30262	2.665	gamma-BHC		0		gamma-BHC
2.705	231934	45.603	beta-BHC		0		beta-BHC
2.794	1611530	178.444	Heptachlor		0		Heptachlor
2.953	86496	8.027	delta-BHC	3.541	503251	51.214	delta-BHC
3.556	69459	6.861	Hept. epoxide	4.153	91977	7.962	Hept. epoxide
3.732	265042	23.591	g. Chlordane	4.367	49499	4.085	g. Chlordane
3.756	97691	5.941	o,p-DDE	4.271	20687	-5.104	o,p-DDE
3.799	103718	9.165	a. Chlordane	4.386	18512	-0.862	a. Chlordane
3.848	508019	48.074	Endosulfan I		0		Endosulfan I
3.941	101585	8.861	4,4'-DDE	4.475	98117	10.91	4,4'-DDE
	0		Telodrin	3.943	1169253	188.192	Telodrin
4.05	64858	5.592	Dieldrin	4.564	70097	8.108	Dieldrin
4.087	134694	14.731	o,p-DDD	4.535	112447	15.088	o,p-DDD
4.231	39910	3.866	Endrin	4.702	38083	2.5	Endrin
4.263	55232	3.348	o,p-DDT	4.716	57911	2.761	o,p-DDT
4.324	342079	29.336	4,4'-DDD	4.77	207184	22.887	4,4'-DDD
4.409	28605	2.688	Endosulfan II	4.85	25497	-0.909	Endosulfan II
4.483	70611	9.745	4,4'-DDT	4.946	47917	7.403	4,4'-DDT
4.538	53442	5.919	Endrin aldehyde	4.92	21620	.488	Endrin aldehyde
4.634	224135	25.633	Endo. sulfate	5.063	32081	.746	Endo. sulfate
4.858	58080	60.69	Methoxychlor	5.159	22778	6.618	Methoxychlor
4.974	48995	1.332	Endrin ketone	5.265	128397	11.883	Endrin ketone
5.052	5740	.727	Mirex		0		Mirex
5.513	330225	36.113	DCB	6.074	166835	33.612	DCB

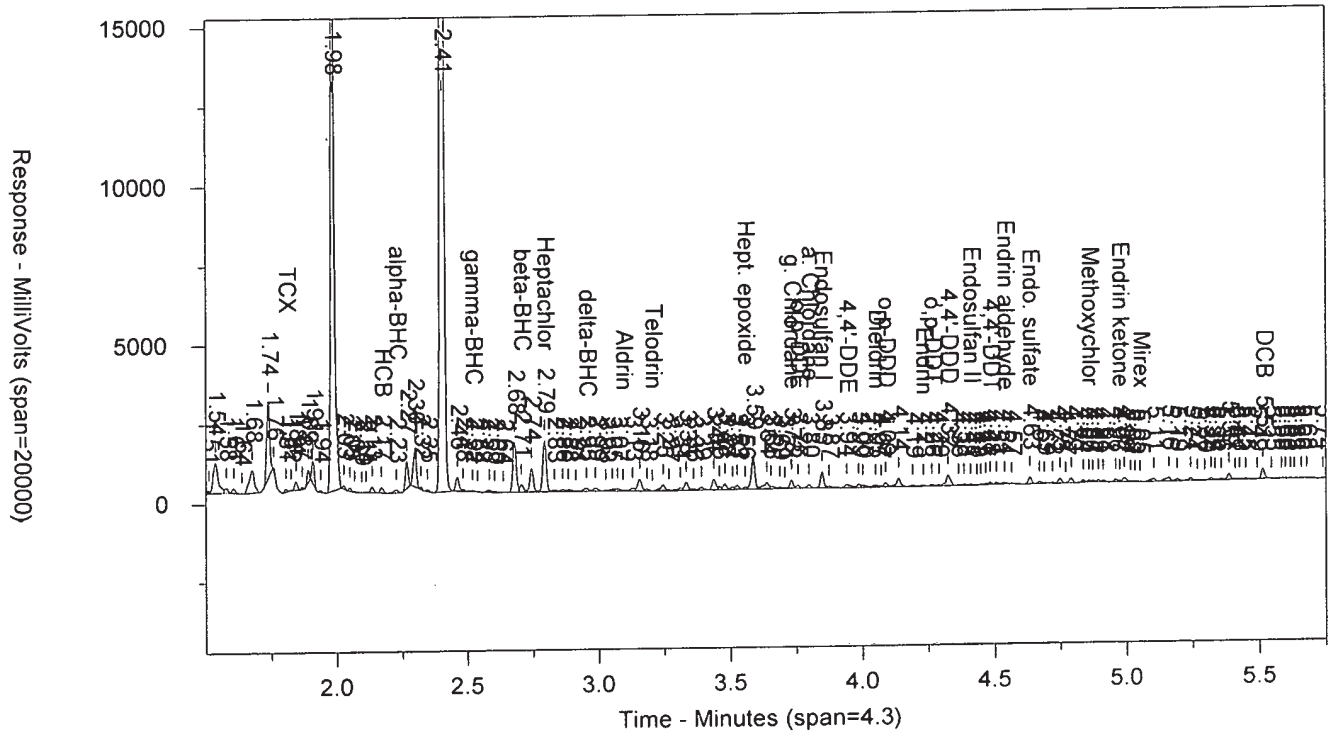
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 Area File: 35pest18271026B.087.RAW
 Method A: 35PESTD.MET
 Method B: 35PESTDDB.MET
 Calibration File A: 35pest1827109.CAL
 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 11/14/2018 5:32:26 AM
 File Reported On: 11/14/2018 at 8:56:25 AM

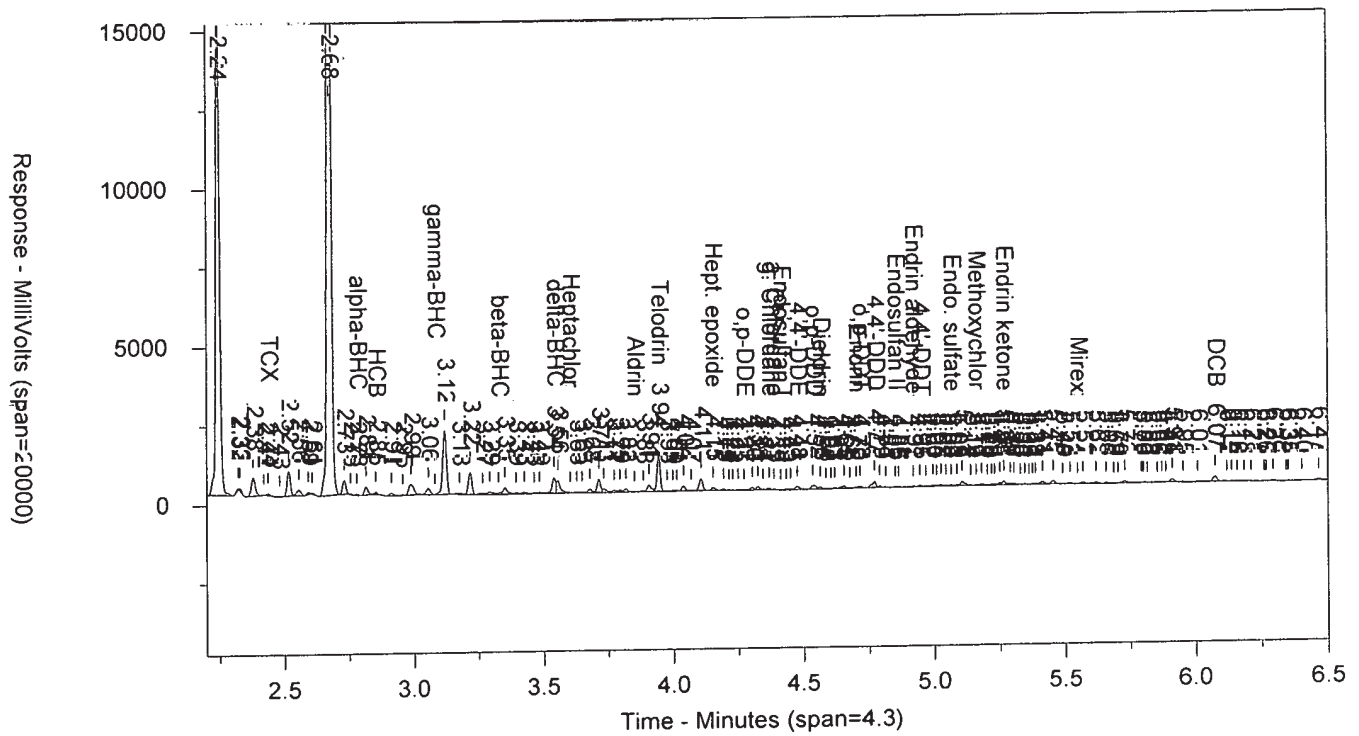
9874412 CFG DF50 AET1303 T 183050038A 14587

SW-846 8081B

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Data Summary

Sample Name: **9874413** CFG DF5 T1304 Sample ID: AE Batchnumber: **183050038A**
 Sample Amount: 30.27 g Total Volume: 50 ml Analyst: 15222 SDG: TID13 State: NY
 Analyses: 14587

Analysis Report (A)

Injected on Nov 14, 2018 05:46:00
 Instrument 24952A
 Result file 35PEST18271026.089.RAW
 Calibration file 35PEST1827109
 Method file 35PESTD

%SSR(TCX) * 217% (42 - 129) Conc: 21.58989
 %SSR(DCB) * 194% (39 - 152) Conc: 19.028

Analysis Report (B)

Injected on Nov 14, 2018 05:46:00
 Instrument 24952B
 Result file 35PEST18271026B.089.RAW
 Calibration file 35PEST1827109B
 Method file 35PESTD

%SSR(TCX) 108% (42 - 129) Conc: 10.71523
 %SSR(DCB) * 193% (39 - 152) Conc: 19.0123

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	1.79	1.80	1.83	1905056	21.58989	Tetrachloro-m-xylene	2.42	2.44	2.46	792746	10.71523
HCB	2.14	2.15	2.18	309286	3.062458	Alpha BHC	2.76	2.78	2.80	105222	1.044515
Gamma BHC - Lindane	2.49	2.50	2.53	326635	2.878643	HCB	2.85	2.85	2.89	856575	10.81531
Beta BHC	2.69	2.70	2.73	494747	10.06022	Beta BHC	3.31	3.33	3.35	943201	23.85401
Heptachlor	2.79	2.79	2.83	53422920 E	591.9412	Delta BHC	3.53	3.54	3.57	2323262	23.65859
Delta BHC	2.94	2.95	2.98	723780	6.721591	Heptachlor	3.58	3.61	3.62	47817	0.560099
Aldrin	3.07	3.11	3.11	490134	4.784754	Telodrin	3.92	3.94	3.96	4708664 E	76.95039
Telodrin	3.18	3.20	3.22	415676	5.507204	Heptachlor Epoxide	4.13	4.15	4.17	85420	0.710493
o,p-DDE	3.73	3.73	3.77	1962988	26.96418	o,p-DDE	4.24	4.27	4.28	52314	0.086249
Alpha Chlordane	3.79	3.79	3.83	135122	1.194825	Gamma Chlordane	4.34	4.37	4.38	198038	2.205322
Endosulfan I	3.82	3.85	3.86	1264359	11.97262	p,p-DDE	4.46	4.47	4.50	82844	0.921792
p,p-DDE	3.94	3.96	3.98	178092	1.554502	o,p-DDD	4.52	4.55	4.56	248269	4.393035
Dieldrin	4.02	4.04	4.06	378277	3.263688	Dieldrin	4.55	4.56	4.59	67636	0.782831
o,p-DDD	4.07	4.10	4.11	128081	1.370669	Endrin	4.69	4.70	4.71	247545	3.205727
Endrin	4.22	4.24	4.26	187044	1.813002	o,p-DDT	4.70	4.72	4.74	311299	5.204149
o,p-DDT	4.25	4.26	4.29	934753	13.01573	p,p-DDD	4.75	4.77	4.79	23006	0
p,p-DDD	4.30	4.32	4.34	214094	1.66536	Endosulfan II	4.83	4.85	4.86	236927	2.772832
Endosulfan II	4.39	4.41	4.43	173742	1.633896	Endrin Aldehyde	4.89	4.91	4.93	62132	0.722005
p,p-DDT	4.47	4.48	4.51	104831	1.447652	p,p-DDT	4.92	4.95	4.96	130218	2.013031
Endrin Aldehyde	4.52	4.54	4.56	447292	4.957126	Endosulfan Sulfate	5.04	5.06	5.07	137508	1.588946
Endosulfan Sulfate	4.63	4.67	4.67	475562	5.287599	Methoxychlor	5.14	5.16	5.18	131312	3.81804
Methoxychlor	4.84	4.86	4.88	52899	5.941106	Endrin Ketone	5.26	5.27	5.30	906706	10.85416
Endrin Ketone	4.95	4.97	4.99	382372	3.12385	Decachlorobiphenyl	6.05	6.07	6.11	813258	19.0123
Mirex	5.03	5.05	5.06	77424	0.980906						
Decachlorobiphenyl	5.49	5.51	5.55	1903007	19.028						

Single Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	Comments
<input type="checkbox"/> Tetrachloro-m-xylene	B	10.71523	2.4777	4.9554	4.9554	P	67.32	
<input checked="" type="checkbox"/> Tetrachloro-m-xylene-D1	A	21.58989	2.4777	4.9554	4.9554			
<input checked="" type="checkbox"/> Tetrachloro-m-xylene-D2	B	10.71523	2.4777	4.9554	4.9554			
<input type="checkbox"/> HCB	A	3.062458	1.0406	2.4777	<4.113	JP	111.73	
<input checked="" type="checkbox"/> Alpha BHC			<0.8424	<2.9732	<4.113	D1		
<input checked="" type="checkbox"/> Gamma BHC - Lindane			<1.0406	<2.9732	<4.113	D2		
<input checked="" type="checkbox"/> Beta BHC	A	10.06022	2.1804	4.4599	4.9554	PD1	81.35	
<input checked="" type="checkbox"/> Heptachlor			<1.5362	<3.0723	<4.113	D2		
<input checked="" type="checkbox"/> Delta BHC			<6.73	<13.46	<13.46	VD1		2706
<input checked="" type="checkbox"/> Aldrin			<0.8424	<2.9732	<4.113	D2		
<input type="checkbox"/> Telodrin	A	5.507204			<5.9465	JP	173.28	
<input checked="" type="checkbox"/> Heptachlor Epoxide			<0.8424	<2.9732	<4.113	D1		
<input type="checkbox"/> o,p-DDE			<1.6353	<4.4599	<8.4242			
<input checked="" type="checkbox"/> Gamma Chlordane			<1.2389	<2.9732	<4.113	D1		
<input checked="" type="checkbox"/> Alpha Chlordane			<0.8424	<2.9732	<4.113	D2		
<input checked="" type="checkbox"/> Endosulfan I			<1.0902	<2.9732	<4.113	D2		
<input checked="" type="checkbox"/> p,p-DDE			<1.6353	<5.9465	<8.4242	D2		

Reviewed and digitally signed by Dylan Schreiner on 11/19/2018 10:41:19

Data Summary

Sample Name: 9874413 **CFG DF5** **T1304** **Sample ID:AE** **Batchnumber: 183050038A**
Sample Amount: 30.27 g **Total Volume:** 50 ml **Analyst:** 15222 **SDG:** TID13 **State:** NY
Analyses: 14587

Analysis Report (A)

Injected on Nov 14, 2018 05:46:00
Instrument 24952A
Result file 35PEST18271026.089.RAW
Calibration file 35PEST1827109
Method file 35PESTD

Analysis Report (B)

Injected on Nov 14, 2018 05:46:00
Instrument 24952B
Result file 35PEST18271026B.089.RAW
Calibration file 35PEST1827109B
Method file 35PESTD

Single Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	Comments
<input checked="" type="checkbox"/> Dieldrin			<1.6353	<5.9465	<8.4242	D2		
<input type="checkbox"/> o,p-DDD			<1.6353	<4.4599	<8.4242			
<input checked="" type="checkbox"/> Endrin			<3.3697	<6.9376	<8.4242	D1		
<input type="checkbox"/> o,p-DDT	B	5.204149	1.6353	4.4599	<8.4242	JP	85.75	
<input checked="" type="checkbox"/> p,p-DDD			<1.6353	<5.9465	<8.4242	D2		
<input checked="" type="checkbox"/> Endosulfan II			<5.4509	<10.9019	<11.3974	D1		
<input checked="" type="checkbox"/> p,p-DDT			<3.9148	<7.9286	<8.4242	D1		
<input checked="" type="checkbox"/> Endrin Aldehyde			<1.6353	<5.9465	<8.4242	D2		
<input checked="" type="checkbox"/> Endosulfan Sulfate			<1.6353	<5.9465	<8.4242	D2		
<input checked="" type="checkbox"/> Methoxychlor			<8.9197	<32.2101	<33.2012	D2		
<input checked="" type="checkbox"/> Endrin Ketone			<3.13	<6.26	<9.9108	VD1		2706
<input type="checkbox"/> Mirex			<1.7344	<3.4688	<8.4242			
<input type="checkbox"/> Decachlorobiphenyl	A	19.028	2.4777	4.9554	4.9554		0.08	
<input checked="" type="checkbox"/> Decachlorobiphenyl-D1	A	19.028	2.4777	4.9554	4.9554			
<input checked="" type="checkbox"/> Decachlorobiphenyl-D2	B	19.0123	2.4777	4.9554	4.9554			

Multiple Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	Hits	Comments
<input checked="" type="checkbox"/> Chlordane			<19.8216	<39.6432	<84.2418	D1		4	No Req.
<input checked="" type="checkbox"/> Toxaphene			<69.3756	<138.7512	<163.5282	D2		4	

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Valerie L. Tomayko
Valerie L. Tomayko
Principal Specialist

NOV 19 2018

Eurofins Lancaster Laboratories-Single Component Data Summary

Sample Name: 9874413 CFG DF5 T1304 ID: AE **Batchnumber:** 183050038A
Sample Amount: 30.27 g **Total Volume:** 50 ml **Analyst:** 2306 **SDG:** TID13 **State:** NY
Analyses: 14587 *Diluted for Matrix*

Analysis Report (A)

Injected on : Nov 14, 2018 05:46:00
 Instrument : CP35--24952A
 Result file : 35PEST18271026.089.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : *217% (42-129) Conc.: 21.58989
 %SSR(DCB) : *194% (39-152) Conc.: 19.028

Analysis Report (B)

Injected on : Nov 14, 2018 05:46:00
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.089.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : 108% (42-129) Conc.: 10.71523
 %SSR(DCB) : 193% (39-152) Conc.: 19.0123

Peak name	Min	R.T.	Max	Height	Amount
TCX	1.79	1.80	1.83	1905056	21.589890
HCB	2.14	2.15	2.18	309286	3.062458
gamma-BHC	2.49	2.50	2.53	326635	2.878643
beta-BHC	2.69	2.70	2.73	494747	10.060220
Heptachlor	2.79	2.79	2.83	53422920 E	591.941200
delta-BHC	2.94	2.95	2.98	723780	6.721591
Aldrin	3.07	3.11	3.11	490134	4.784754
Telodrin	3.18	3.20	3.22	415676	5.507204
o,p-DDE	3.73	3.73	3.77	1962988	26.964180
a. Chlordane	3.79	3.79	3.83	135122	1.194825
Endosulfan I	3.82	3.85	3.86	1264359	11.972620
4,4'-DDE	3.94	3.96	3.98	178092	1.554502
Dieldrin	4.02	4.04	4.06	378277	3.263688
o,p-DDD	4.07	4.10	4.11	128081	1.370669
Endrin	4.22	4.24	4.26	187044	1.813002
o,p-DDT	4.25	4.26	4.29	934753	13.015730
4,4'-DDD	4.30	4.32	4.34	214094	1.665360
Endosulfan II	4.39	4.41	4.43	173742	1.633896
4,4'-DDT	4.47	4.48	4.51	104831	1.447652
Endrin aldehyde	4.52	4.54	4.56	447292	4.957126
Endo. sulfate	4.63	4.67	4.67	475562	5.287599
Methoxychlor	4.84	4.86	4.88	52899	5.941106
Endrin ketone	4.95	4.97	4.99	382372	3.123860
Mirex	5.03	5.05	5.06	71424	0.980906
DCB	5.49	5.51	5.55	1903007	19.028000

Peak name	Min	R.T.	Max	Height	Amount
TCX	2.42	2.44	2.46	792746	10.715230
alpha-BHC	2.76	2.78	2.80	105222	1.044515
HCB	2.85	2.85	2.89	856575	10.815310
beta-BHC	3.31	3.33	3.35	943201	23.854010
delta-BHC	3.53	3.54	3.57	2323262	23.658590
Heptachlor	3.58	3.61	3.62	47817	0.560099
Telodrin	3.92	3.94	3.96	4708664 E	76.950390
Hept. epoxide	4.13	4.15	4.17	85420	0.710493
o,p-DDE	4.24	4.27	4.28	52314	0.086249
g. Chlordane	4.34	4.37	4.38	198038	2.205322
4,4'-DDE	4.46	4.47	4.50	82844	0.921792
o,p-DDD	4.52	4.55	4.56	248269	4.393035
Dieldrin	4.55	4.56	4.59	67636	0.782831
Endrin	4.69	4.70	4.71	247545	3.205727
o,p-DDT	4.70	4.72	4.74	311299	5.204149
4,4'-DDD	4.75	4.77	4.79	23006	-0.121829
Endosulfan II	4.83	4.85	4.86	236927	2.772832
Endrin aldehyde	4.89	4.91	4.93	62132	0.722005
4,4'-DDT	4.92	4.95	4.96	130218	2.013031
Endo. sulfate	5.04	5.06	5.07	137508	1.588946
Methoxychlor	5.14	5.16	5.18	131312	3.818040
Endrin ketone	5.26	5.27	5.30	906706	10.854160
DCB	6.05	6.07	6.11	813258	19.012300

B 4,4-DDD

$$\frac{23006}{137434.6} \times \frac{50}{30.27} = 0.27650$$

LMD

Summary Report

Compound Name	Column	Amount Found	LOQ	DL	Qualifiers	%RPD	Comments
<input type="checkbox"/> TCX	B	10.715230	4.9554	2.4777		67.32	**
<input type="checkbox"/> HCB	A	3.062458	<4.113	1.0406	J	111.73	**
<input checked="" type="checkbox"/> alpha-BHC			<4.113	<0.8424			
<input checked="" type="checkbox"/> gamma-BHC			<4.113	<1.0406			
<input checked="" type="checkbox"/> beta-BHC	A	10.060220	4.9554	2.1804		81.35	**
<input checked="" type="checkbox"/> Heptachlor	B	0.560099	<4.113	<1.5362		199.62	** LMD
<input checked="" type="checkbox"/> delta-BHC	A	6.721591	4.9554	2.2299	6.73	111.50	** (8) 2206 disparity
<input checked="" type="checkbox"/> Aldrin			<4.113	<0.8424			
<input type="checkbox"/> Telodrin	A	5.507204	<5.9465			173.28	**
<input checked="" type="checkbox"/> Hept. epoxide			<4.113	<0.8424			
<input type="checkbox"/> o,p-DDE	B	0.086249	<8.4242	<1.6353		198.72	**
<input checked="" type="checkbox"/> g. Chlordane			<4.113	<1.2389			
<input checked="" type="checkbox"/> a. Chlordane			<4.113	<0.8424			
<input checked="" type="checkbox"/> Endosulfan I			<4.113	<1.0902			
<input checked="" type="checkbox"/> 4,4'-DDE	B	0.921792	<8.4242	<1.6353		51.10	** LMD
<input checked="" type="checkbox"/> Dieldrin	B	0.782831	<8.4242	<1.6353		122.62	** LMD

%RPD = High - Low Amount divided by the Average times 100

** %Difference > 40, lower amount found reported

* Recovery outside QC Limits

Higher Amount Found unless RPD > 40

Eurofins Lancaster Laboratories-Single Component Data Summary

Sample Name: 9874413 CFG DF5 T1304 ID: AE **Batch number:** 183050038A
Sample Amount: 30.27 g **Total Volume:** 50 ml **Analyst:** 2306 **SDG:** TID13 **State:** NY
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 05:46:00
 Instrument : CP35--24952A
 Result file : 35PEST18271026.089.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Analysis Report (B)

Injected on : Nov 14, 2018 05:46:00
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.089.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.MET

Summary Report

Compound Name	Column	Amount Found	LOQ	DL	Qualifiers	%RPD	Comments
<input type="checkbox"/> o,p-DDD	A	1.370669	<8.4242	<1.6353		104.88	**
<input checked="" type="checkbox"/> Endrin	A	1.813002	<8.4242	<3.3697		55.50	** LMDL
<input type="checkbox"/> o,p-DDT	B	5.204149	<8.4242	1.6353	J	85.75	**
<input checked="" type="checkbox"/> 4,4'-DDD	B	-0.121829	<8.4242	<1.6353		231.57	** D2 LMDL
<input checked="" type="checkbox"/> Endosulfan II	A	1.633896	<11.3974	<5.4509		51.69	**
<input checked="" type="checkbox"/> 4,4'-DDT	B	2.013031	<8.4242	<3.9148		32.67	**
<input checked="" type="checkbox"/> Endrin aldehyde	B	0.722005	<8.4242	<1.6353		149.15	** LMDL
<input checked="" type="checkbox"/> Endo. sulfate	B	1.588946	<8.4242	<1.6353		107.57	**
<input checked="" type="checkbox"/> Methoxychlor	B	3.818040	<33.2012	<8.9197		43.51	**
<input checked="" type="checkbox"/> Endrin ketone	A	3.123850	<9.9108	2.9732	(8) J 3.13	110.61	** (8) 2706 disparity
<input type="checkbox"/> Mirex			<8.4242	<1.7344			
<input type="checkbox"/> DCB	A	19.028000	4.9554	2.4777		0.08	

Units: ug/kg

Reviewed by: DSS 15222

Date: 11/19/18

Verified by: Valerie L. Tomayko

Date: _____

Valerie L. Tomayko
Principal Specialist

NOV 19 2018

%RPD = High - Low Amount divided by the Average times 100

** %Difference > 40, lower amount found reported

* Recovery outside QC Limits

Higher Amount Found unless RPD > 40

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9874413 CFG DF5 T1304 ID: AE **Batchnumber:** 183050038A
Sample Amount: 30.27 g **Total Volume:** 50 ml **Analyst:** 2306 **SDG:** TID13 **State:** NY
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 05:46:00
 Instrument : CP35--24952A
 Result file : 35PEST18271026.089.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : *217% (42-129) Conc.: 21.58989
 %SSR(DCB) : *194% (39-152) Conc.: 19.028

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
2.17	2.17	2.23	90029.44	56.662693	6	59.07	1
2.45	2.47	2.51	216638.7	90.847421			2
+ 2.45	2.50	2.51	326634.5	136.974151			2
2.64	2.68	2.70	312553.8	223.036253			3
E+ 2.64	2.70	2.70	494746.9	353.048002			3
+ 2.83	2.83	2.89	80871.16	18.953659			4
2.83	2.86	2.89	408340.7	95.70223			4
2.91	2.95	2.97	723780.1	291.974407			5
+ 3.03	3.05	3.09	165083	93.151475			6
3.03	3.07	3.09	456937.8	257.836543			6

Height Summation: 2208280.54
Amount Avg CF: 169.343258 Linear:

Aroclor-1221							
2.04	2.05	2.08	282995.8	293.610324	2	58.50	1
E 2.12	2.13	2.16	468693	707.828402			2
E+ 2.12	2.15	2.16	309285.6	467.088546			2

Height Summation: 751688.8
Amount Avg CF: 500.719363 Linear:

Aroclor-1248							
3.08	3.11	3.14	490133.6	216.359715	6	52.02	1
+ 3.08	3.14	3.14	731437.3	322.878426			1
E* 3.30	3.33	3.36	1647959	546.680411			2
E+* 3.33	3.33	3.39	1647959	1605.054048			3
3.33	3.38	3.39	129912	126.529714			3
+ 3.33	3.39	3.39	187637.8	182.752611			3
E+ 3.57	3.58	3.63	3909722	1159.051881			4
E* 3.57	3.62	3.63	1190853	353.032878			4
* 3.60	3.62	3.66	1190853	323.246701			5
+ 4.00	4.01	4.06	168864	81.195249			6
+ 4.00	4.02	4.06	304508.7	146.417589			6
4.00	4.04	4.06	378277.4	181.887956			6

Height Summation: 5027988
Amount Avg CF: 291.289563 Linear:

Aroclor-1254							
3.60	3.62	3.66	1190853	321.935901	6	91.84	1
E 3.70	3.73	3.76	1962988	443.038553			2
+ 3.94	3.94	4.00	303285	84.98208			3
3.94	3.96	4.00	178092	49.902332			3
4.14	4.15	4.20	356729.5	78.336091			4
+ 4.14	4.19	4.20	156533.8	34.374073			4
+ 4.35	4.36	4.41	28998.96	9.582828			5
4.35	4.39	4.41	465290.7	153.757269			5
+ 4.42	4.43	4.48	215414	45.084021			6
4.42	4.44	4.48	177499.2	37.148828			6
+ 4.42	4.46	4.48	369292.7	77.289311			6

Height Summation: 4331452.4
Amount Avg CF: 180.686496 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 05:46:00
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.089.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : 108% (42-129) Conc.: 10.71523
 %SSR(DCB) : *193% (39-152) Conc.: 19.0123

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
+ 2.73	2.74	2.79	85851.26	59.330649	6	65.83	1
2.73	2.76	2.79	128588.3	88.865642			1
+ 2.73	2.78	2.79	105221.6	72.71723			1
3.05	3.06	3.11	507001.2	290.983415			2
3.23	3.27	3.29	147040.5	112.993922			3
E+ 3.52	3.54	3.58	2323262	631.812385			4
E+* 3.55	3.56	3.61	2200220	985.935107			5
E* 3.52	3.56	3.58	2200220	598.351045			4
E* 3.55	3.57	3.61	809488.8	362.738011			5
+* 3.52	3.57	3.58	809488.8	220.140927			4
+ 3.64	3.65	3.70	98733.95	55.99788			6
3.64	3.68	3.70	432959.5	245.557014			6

Height Summation: 4225298.3
Amount Avg CF: 283.248175 Linear:

Aroclor-1221							
E 2.60	2.61	2.64	695646.5	1284.062725	3	172.36	1
E 2.66	2.68	2.70	235333000	416423.660113			2
2.74	2.76	2.78	128588.3	74.453162			3
+ 2.74	2.78	2.78	105221.6	60.923745			3

Height Summation: 236157234.8
Amount Avg CF: 139260.725333 Linear:

Aroclor-1248							
3.72	3.73	3.78	588583.6	282.236433	6	88.62	1
+* 3.72	3.77	3.78	571009.4	273.809288			1
* 3.75	3.77	3.81	571009.4	291.735825			2
3.86	3.88	3.92	102353.3	41.766909			3
+ 3.86	3.92	3.92	235366.4	96.045043			3
4.16	4.20	4.22	43916.33	14.679929			4
+ 4.16	4.22	4.22	127030.9	42.462668			4
+ 4.28	4.29	4.34	134111.6	59.52845			5
4.28	4.31	4.34	115249.6	51.156127			5
+ 4.28	4.33	4.34	534135.4	237.088012			5
4.51	4.55	4.57	248268.6	157.62666			6
+ 4.51	4.56	4.57	67635.92	42.942298			6

Height Summation: 1669380.83
Amount Avg CF: 139.866981 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9874413 CFG DF5 T1304 ID: AE **Batchnumber:** 183050038A
Sample Amount: 30.27 g **Total Volume:** 50 ml **Analyst:** 2306 **SDG:** TID13 **State:** NY
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 05:46:00
 Instrument : CP35--24952A
 Result file : 35PEST18271026.089.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
4.10	4.14	4.16	477509.7	95.079239	6	84.23	1
+ 4.10	4.15	4.16	356729.5	71.030116			1
+ 4.21	4.22	4.27	150027	25.042624			2
4.21	4.24	4.27	187044.2	31.221564			2
+ 4.21	4.26	4.27	934752.9	156.029683			2
+ 4.42	4.43	4.48	215414	36.505745			3
4.42	4.44	4.48	177499.2	30.080405			3
+ 4.42	4.46	4.48	369292.7	62.583235			3
4.60	4.63	4.66	465344.1	110.014456			4
4.72	4.75	4.78	1527055	161.195432			5
4.91	4.93	4.97	16524.85	2.307676			6
+ 4.91	4.96	4.97	1183870	165.326049			6
+ 4.91	4.97	4.97	382371.5	53.397729			6

Height Summation: 2850977.05
Amount Avg CF: 71.649795 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
E 3.57	3.58	3.61	3909722	1478.636027	4	161.70	2
3.72	3.73	3.76	1962988	185.506694			3
3.79	3.79	3.83	135121.7	15.722504			4
+ 4.40	4.41	4.44	173742.3	43.058567			5
4.40	4.43	4.44	215414	53.386068			5

Height Summation: 6223245.7
Amount Avg CF: 433.312823 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
4.35	4.36	4.39	28998.96	18.712889	5	164.42	1
+ 4.35	4.39	4.39	465290.7	300.249845			1
+ 4.40	4.41	4.44	173742.3	121.131072			2
4.40	4.43	4.44	215414	150.184087			2
4.57	4.58	4.61	166716.2	119.32675			3
4.78	4.79	4.82	1195687	1173.300648			4
+ 4.85	4.86	4.89	52899.33	28.789874			5
4.85	4.87	4.89	62635.66	34.088764			5

Height Summation: 1669451.82
Amount Avg CF: 299.122628 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 05:46:00
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.089.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
4.14	4.15	4.20	85420.12	28.827097	6	53.58	1
+ 4.14	4.20	4.20	43916.33	14.820634			1
+ 4.28	4.29	4.34	134111.6	34.156342			2
4.28	4.31	4.34	115249.6	29.352456			2
+ 4.28	4.33	4.34	534135.4	136.03679			2
4.51	4.55	4.57	248268.6	50.101132			3
+ 4.51	4.56	4.57	67635.92	13.649073			3
+ 4.69	4.70	4.75	247545.3	64.708393			4
4.69	4.72	4.75	311299.3	81.373702			4
4.83	4.85	4.89	236926.9	97.345159			5
+ 4.83	4.88	4.89	42056.79	17.608389			5
+ 4.91	4.91	4.97	62131.54	17.559263			6
4.91	4.95	4.97	130217.7	36.801387			6
+ 4.91	4.97	4.97	169281.2	47.841292			6

Height Summation: 1127382.22
Amount Avg CF: 53.966822 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
+ 4.61	4.62	4.67	582653.8	165.910086	6	106.41	1
4.61	4.64	4.67	308311.9	87.791505			1
+ 4.76	4.77	4.82	23005.61	5.21854			2
4.76	4.79	4.82	419920.7	95.253851			2
+ 4.76	4.81	4.82	268680.9	60.946961			2
4.91	4.95	4.97	130217.7	27.468157			3
+ 4.91	4.97	4.97	169281.2	35.708222			3
+ 5.08	5.09	5.14	72986.62	30.774873			4
E 5.08	5.11	5.14	1425687	601.14218			4
+ 5.23	5.23	5.29	401068.2	63.618843			5
+ 5.23	5.25	5.29	528018.1	83.75608			5
5.23	5.27	5.29	906706.4	143.824945			5
+ 5.38	5.38	5.44	279770.3	73.998264			6
5.38	5.42	5.44	836620.5	221.283192			6

Height Summation: 4027464.2
Amount Avg CF: 196.127305 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
3.42	3.43	3.46	599401.2	222.115178	4	149.48	1
4.17	4.20	4.21	43916.33	17.022162			2
4.35	4.37	4.39	198037.7	19.397568			3
4.87	4.88	4.91	42856.79	15.512122			5

Height Summation: 884212.02
Amount Avg CF: 68.511758 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9874413 CFG DF5 T1304 ID: AE **Batchnumber:** 183050038A
Sample Amount: 30.27 g **Total Volume:** 50 ml **Analyst:** 2306 **SDG:** TID13 **State:** NY
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 05:46:00
 Instrument : CP35--24952A
 Result file : 35PEST18271026.089.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Analysis Report (B)

Injected on : Nov 14, 2018 05:46:00
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.089.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
					5	74.11	
+ 4.70	4.70	4.74	247545.3	252.068644 X			1
	4.70	4.72	4.74	311299.3			1
	4.86	4.88	4.90	42856.79			2
+ 4.99	5.00	5.03	529964	441.381491 X			3
	4.99	5.03	5.03	126867.6			3
+ 5.21	5.21	5.25	123608.5	151.887158 X			4
	5.21	5.23	5.25	401068.2			4
	5.27	5.29	5.31	331257.4			5
Height Summation:			1213349.29				
Amount Avg CF:			242.424464	Linear:			

Summary Report

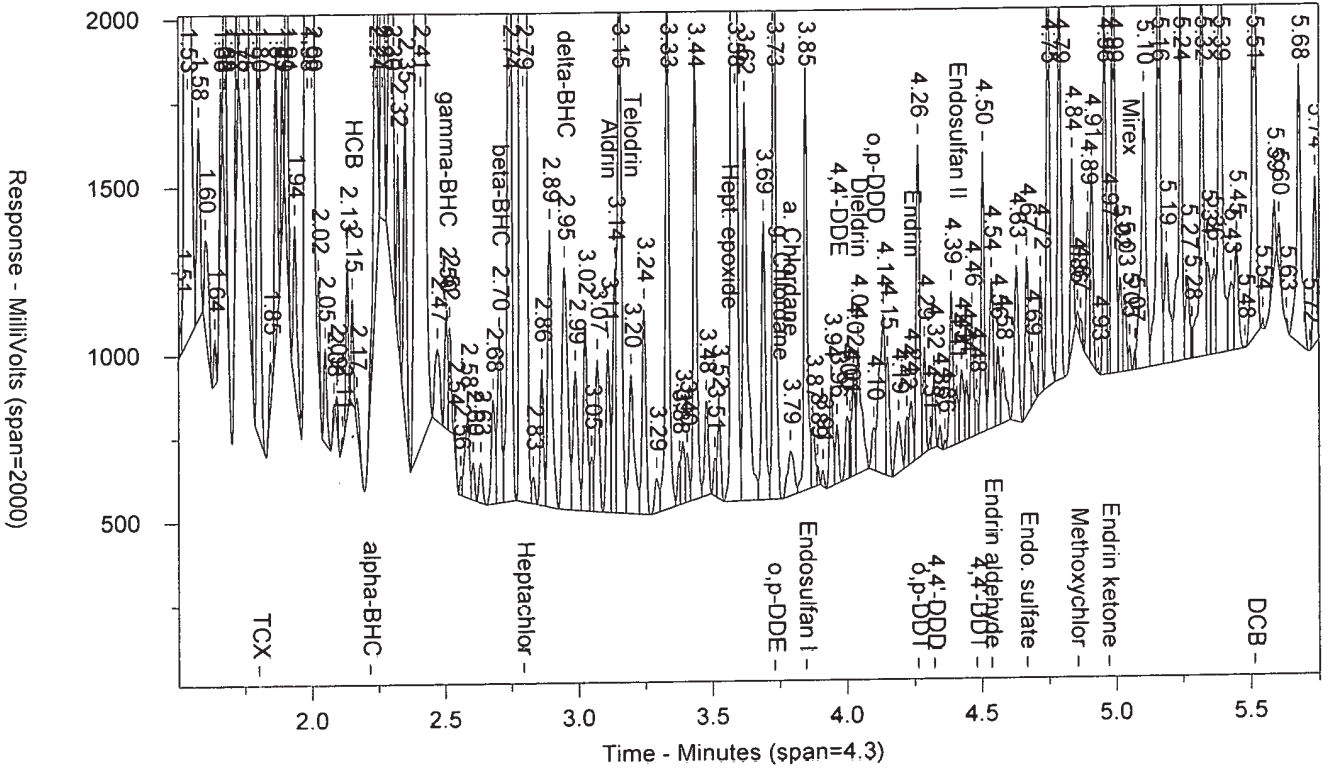
Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0	0	E	** 50.33	4	40	
Aroclor-1221			0	0	E	** 198.57	3	5	
Aroclor-1248			0	0	E	** 70.24	4	30	
Aroclor-1254			0	0	E	** 108.01	4	40	
Aroclor-1260			0	0		** 92.97	4	40	
Chlordane			84.2418	19.8216	E	** 145.39	4	40	
Toxaphene			163.5282	69.3756		20.94	4	40	

Units: ug/kg

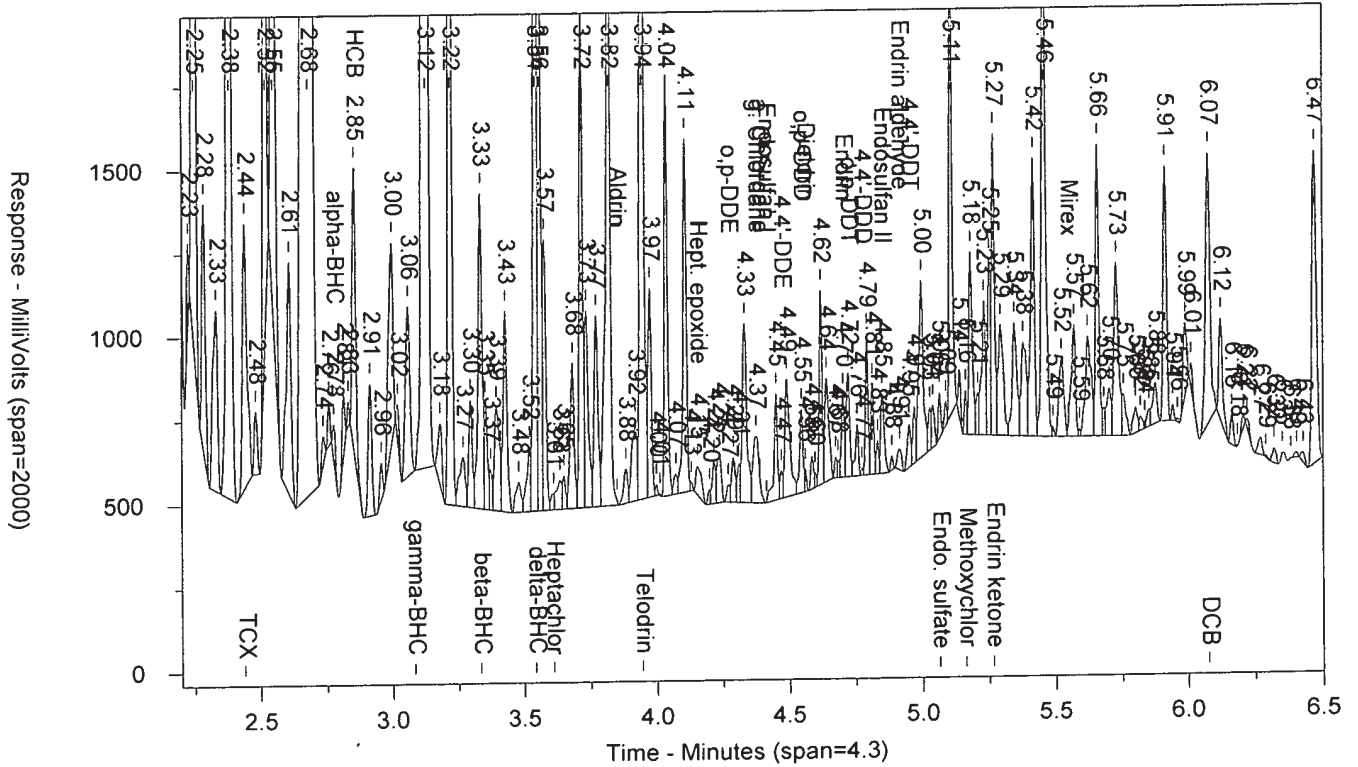
9874413 CFG DF5 AET1304 T 183050038A 14587

SW-846 8081B

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\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.089.RAW



Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: 9874413 CFG DF5 AET1304 T 183050038A 14587 SW-846 8081B
 Injected On: 11/14/2018 5:46:00 AM Sample Weight: 30.27
 Instrument ID: CP35-24952 Dilution Factor: 50
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.802	1905056	21.59	TCX	2.439	792746	10.715	TCX
2.152	309286	3.062	HCB	2.854	856575	10.815	HCB
2.504	326635	2.879	gamma-BHC		0		gamma-BHC
2.704	494747	10.06	beta-BHC	3.333	943201	23.854	beta-BHC
	0		alpha-BHC	2.776	105222	1.045	alpha-BHC
2.794	53422920	591.941	Heptachlor	3.61	47817	.56	Heptachlor
2.946	723780	6.722	delta-BHC	3.542	2323263	23.659	delta-BHC
3.109	490134	4.785	Aldrin		0		Aldrin
3.196	415676	5.507	Telodrin	3.944	4708664	76.95	Telodrin
3.731	1962988	26.964	o,p-DDE	4.269	52314	.086	o,p-DDE
3.79	135122	1.195	a. Chlordane		0		a. Chlordane
3.847	1264359	11.973	Endosulfan I		0		Endosulfan I
3.964	178092	1.555	4,4'-DDE	4.469	82844	.922	4,4'-DDE
4.042	378277	3.264	Dieldrin	4.56	67636	.783	Dieldrin
4.1	128081	1.371	o,p-DDD	4.546	248269	4.393	o,p-DDD
	0		Hept. epoxide	4.153	85420	.71	Hept. epoxide
4.237	187044	1.813	Endrin	4.702	247545	3.206	Endrin
4.264	934753	13.016	o,p-DDT	4.722	311299	5.204	o,p-DDT
4.323	214094	1.665	4,4'-DDD	4.773	23006	-.122	4,4'-DDD
	0		g. Chlordane	4.374	198038	2.205	g. Chlordane
4.407	173742	1.634	Endosulfan II	4.849	236927	2.773	Endosulfan II
4.481	104831	1.448	4,4'-DDT	4.949	130218	2.013	4,4'-DDT
4.537	447292	4.957	Endrin aldehyde	4.913	62132	.722	Endrin aldehyde
4.668	475562	5.288	Endo. sulfate	5.064	137508	1.589	Endo. sulfate
4.856	52899	5.941	Methoxychlor	5.161	131312	3.818	Methoxychlor
4.972	382372	3.124	Endrin ketone	5.266	906706	10.854	Endrin ketone
5.05	77424	.981	Mirex		0		Mirex
5.512	1903007	19.028	DCB	6.075	813258	19.012	DCB

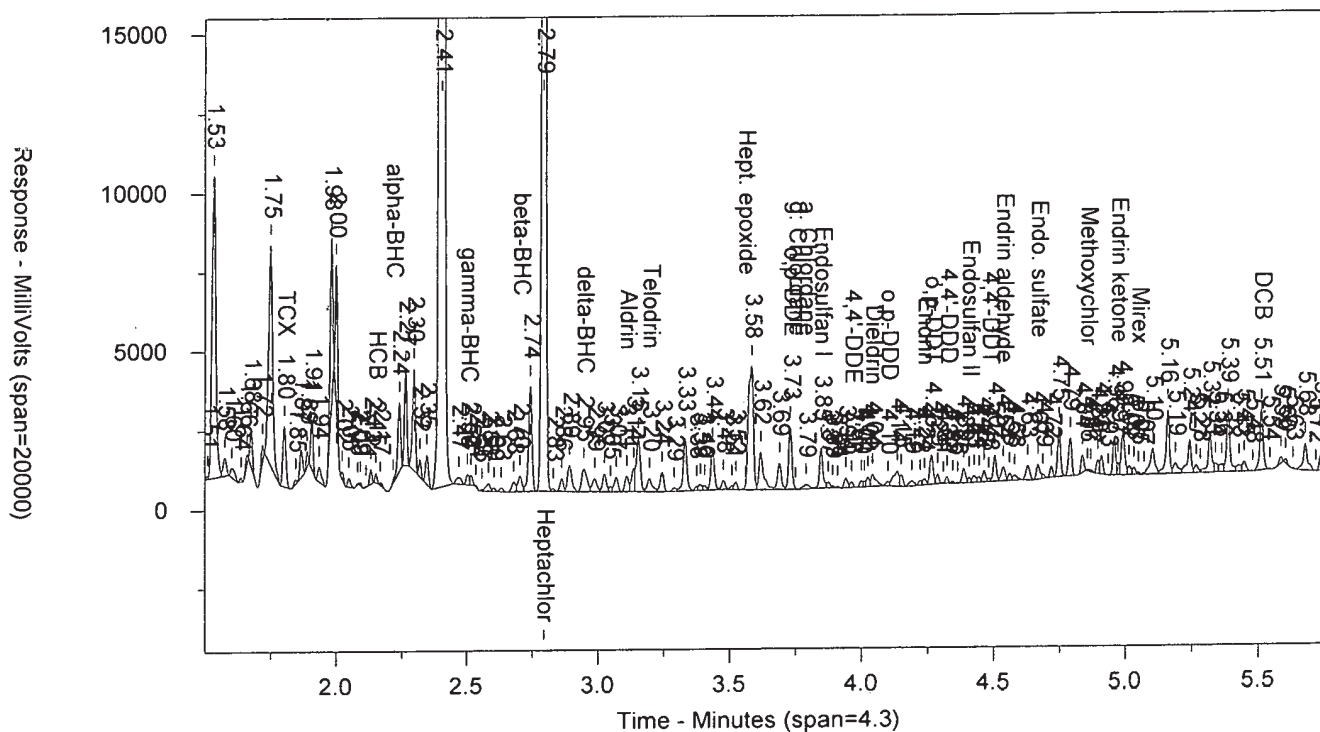
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 Area File: 35pest18271026B.089.RAW
 Method A: 35PESTD.MET
 Method B: 35PESTDDB.MET
 Calibration File A: 35pest1827109.CAL
 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 11/14/2018 5:53:21 AM
 File Reported On: 11/14/2018 at 8:56:54 AM

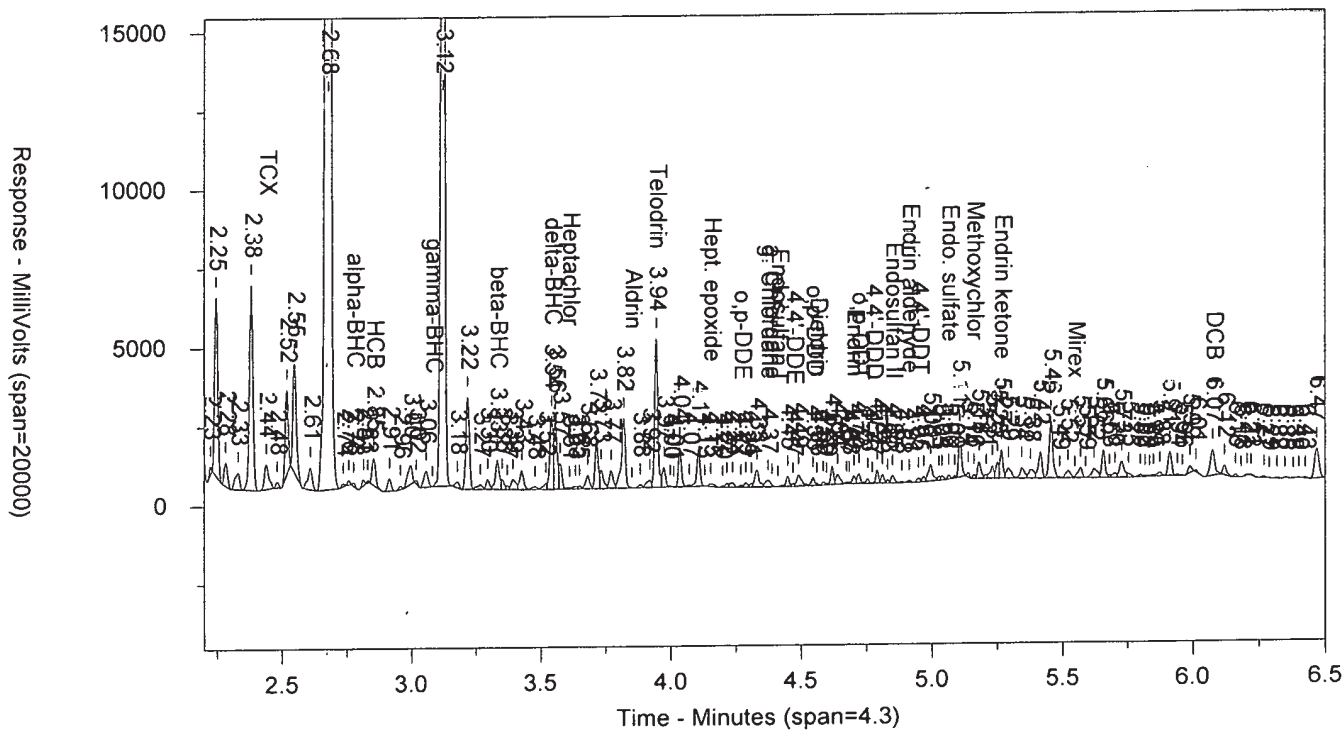
9874413 CFG DF5 AET1304 T 183050038A 14587

SW-846 8081B

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\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.089.RAW



Standards Data

Pesticides

Eurofins Lancaster Laboratories
CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP35\35pest18271001.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35

Number of Entries: 70

<u>Samplename</u>	<u>VP</u>	<u>Code</u>	<u>ID</u>	<u>Method</u>	<u>Samp Amt</u>	<u>DF</u>	<u>Int Std</u>	<u>C</u>	<u>Batch Number</u>	<u>Analysis</u>
1 HEXANE	1	MISC	AA	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1827099999	
2 IBLKX1824B	2	PIBLK	AA	35PESTD.MET	1000	10	1	0	1827099999	00177
3 EVALX1824B	3	IPEM	AA	35PESTD.MET	1	1	1	0	1827099999	00177
4 MIXA11824B	4	ICAL	AA	35PESTD.MET	1	1	1	2	1827099999	00177
5 MIXA21824B	5	ICAL	AA	35PESTD.MET	1	1	1	2	1827099999	00177
6 MIXA31824B	6	ICAL	AA	35PESTD.MET	1	1	1	3	1827099999	00177
7 MIXA41824B	7	ICAL	AA	35PESTD.MET	1	1	1	4	1827099999	00177
8 MIXA51824B	8	ICAL	AA	35PESTD.MET	1	1	1	5	1827099999	00177
9 MIXA61824B	9	ICAL	AA	35PESTD.MET	1	1	1	6	1827099999	00177
10 ICMAX1824B	10	CCAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
11 MIXE11824D	11	ICAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
12 MIXE21824D	12	ICAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
13 MIXE31824D	13	ICAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
14 MIXE41824D	14	ICAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
15 MIXE51824D	15	ICAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
16 MIXE61824D	16	ICAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
17 ICMEX1824C	17	CCAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
18 TOXA11824D	18	ICAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
19 TOXA21824D	19	ICAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
20 TOXA31824D	20	ICAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
21 TOXA41824D	21	ICAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
22 TOXA51824D	22	ICAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
23 TOXA61824D	23	ICAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
24 ICTXX1824D	24	CCAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
25 CHLD11824D	25	ICAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
26 CHLD21824D	26	ICAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
27 CHLD31824D	27	ICAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
28 CHLD41824D	28	ICAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
29 CHLD51824D	29	ICAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
30 CHLD61824D	30	ICAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
31 ICCHX1824F	31	CCAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
32 AR1641824C	32	ICAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
33 2154X1824A	33	ICAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
34 AR4841824B	34	ICAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
35 MDLAX1824D	35	ICAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
36 MDLEX1824D	36	ICAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
37 MDTXX1824D	37	ICAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
38 MDCHX1824D	38	ICAL	AA	35PESTD.MET	1	1	1	0	1827099999	00177
39 BLANKA 9/21/18 FG	39	BLK	AB	35PESTD.MET	15	10	1	0	182640005A	13237
40 LCSA 9/21/18 FG	40	LCS	AB	35PESTD.MET	15.1	10	1	0	182640005A	13237
41 LCSDA 9/21/18 FG	41	LCSD	AB	35PESTD.MET	15	10	1	0	182640005A	13237
42 LCSDMXE 9/21/18 FG	42	LCSD	AB	35PESTD.MET	15.1	10	1	0	182640005A	13237
43 LCSDMXE 9/21/18 FG	43	LCS	AB	35PESTD.MET	15	10	1	0	182640005A	13237
44 EVALX1824B	44	PEM	AQ	35PESTD.MET	1	1	1	0	1827099999	00177
45 MIXA41824B	45	CCAL	EA	35PESTD.MET	1	1	1	0	1827099999	00177
46 MIXE41824D	46	CCAL	TB	35PESTD.MET	1	1	1	0	1827099999	00177
47 9795933 FG	47	T	AB	35PESTD.MET	15	10	1	0	182640005A	13237
48 9795934 FG	48	T	AB	35PESTD.MET	15.2	10	1	0	182640005A	13237
49 9795935 FG	49	T	AB	35PESTD.MET	15.2	10	1	0	182640005A	13237
50 9795936 FG	50	T	AB	35PESTD.MET	15.2	10	1	0	182640005A	13237



Eurofins Lancaster Laboratories
CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP35\35pest18271001.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35

Number of Entries: 70

<u>Samplename</u>	<u>VP</u>	<u>Code</u>	<u>ID</u>	<u>Method</u>	<u>Samp Amt</u>	<u>DF</u>	<u>Int Std</u>	<u>C</u>	<u>Batch Number</u>	<u>Analysis</u>
51 9795937 FG	51	T	AB	35PESTD.MET	15.2	10	1	0	182640005A	13237
52 9795938 FG	52	T	AB	35PESTD.MET	15.1	10	1	0	182640005A	13237
53 9795939 FG	53	T	AB	35PESTD.MET	15.1	10	1	0	182640005A	13237
54 9795944 FG	54	T	AB	35PESTD.MET	15	10	1	0	182640005A	13237
55 9795945 FG	55	T	AB	35PESTD.MET	15.2	10	1	0	182640005A	13237
56 MIXA41824B	56	CCAL	EB	35PESTD.MET	1	1	1	0	1827099999	00177
57 MIXE41824D	57	CCAL	TC	35PESTD.MET	1	1	1	0	1827099999	00177
58 9795940 FG	58	T	AB	35PESTD.MET	15	10	1	0	182640005A	13237
59 9795940 FG DF5	59	T	AC	35PESTD.MET	15	50	1	0	182640005A	13237
60 9795941 FG	60	T	AB	35PESTD.MET	15.2	10	1	0	182640005A	13237
61 9795941 FG DF5	61	T	AC	35PESTD.MET	15.2	50	1	0	182640005A	13237
62 9795942 FG	62	T	AB	35PESTD.MET	15.2	10	1	0	182640005A	13237
63 9795942 FG DF5	63	T	AC	35PESTD.MET	15.2	50	1	0	182640005A	13237
64 9795943 FG	64	T	AB	35PESTD.MET	15.2	10	1	0	182640005A	13237
65 9795943 FG DF5	65	T	AC	35PESTD.MET	15.2	50	1	0	182640005A	13237
66 9795946 FG	66	T	AB	35PESTD.MET	15	10	1	0	182640005A	13237
67 9795946 FG DF5	67	T	AC	35PESTD.MET	15	50	1	0	182640005A	13237
68 EVALX1824B	68	PEM	AR	35PESTD.MET	1	1	1	0	1827099999	00177
69 MIXA41824B	69	CCAL	EC	35PESTD.MET	1	1	1	0	1827099999	00177
70 MIXE41824D	70	CCAL	TD	35PESTD.MET	1	1	1	0	1827099999	00177

Anita M Dale
Anita Dale
Chemist

OCT 04 2018

Set-up by: DJS 15222

9/28/2018

Date: 9/28/18

TID13 Page 2324 of 5108



Eurofins Lancaster Laboratories
CHROM PERFECT SEQUENCE FILE

Sequence File: \\USlan-chromperfect\chromperfect-data\Dept-24\Active\CP35\35pest18271025.seq
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 Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35
 Number of Entries: 81

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1 HEXANE	1	MISC	AA	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831599999	
2 EVALX1824B	2	PEM	MI	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831599999	00177
3 MIXA41824B	3	CCAL	WK	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831599999	00177
4 TOXA41824E	4	CCAL	XW	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831599999	00177
5 CHLD41824D	5	CCAL	DW	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831599999	00177
6 HEXANE	6	CCAL	AA	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831599999	00177
7 9868566 BC DF5000	7	T	AE	35PESTD.MET	30.12	50000	1	0	183020028A	10590
8 MIXA41824B	8	CCAL	WN	35PESTD.MET	1	1	1	0	1831599999	00177
9 IBLKX1824B	9	PIBLK	AA	35PESTD.MET	1000	10	1	0	1831599999	00177
10 EVALX1824B	10	IPEM	AA	35PESTD.MET	1	1	1	0	1831599999	00177
11 MIXA11824B	11	ICAL	AA	35PESTD.MET	1	1	1	1	1831599999	00177
12 MIXA21824B	12	ICAL	AA	35PESTD.MET	1	1	1	2	1831599999	00177
13 MIXA31824B	13	ICAL	AA	35PESTD.MET	1	1	1	3	1831599999	00177
14 MIXA41824B	14	ICAL	AA	35PESTD.MET	1	1	1	4	1831599999	00177
15 MIXA51824B	15	ICAL	AA	35PESTD.MET	1	1	1	5	1831599999	00177
16 MIXA61824B	16	ICAL	AA	35PESTD.MET	1	1	1	6	1831599999	00177
17 ICMAX1824C	17	CCAL	AA	35PESTD.MET	1	1	1	0	1831599999	00177
18 MDLAX1824D	18	ICAL	AA	35PESTD.MET	1	1	1	0	1831599999	00177
19 TOXA41824E	19	CCAL	XZ	35PESTD.MET	1	1	1	0	1831599999	00177
20 CHLD41824D	20	CCAL	DZ	35PESTD.MET	1	1	1	0	1831599999	00177
21 BLANKA 11/8/18 BC	21	BLK	AB	35PESTD.MET	30	10	1	0	183120030A	10590
22 LCSA 11/8/18 BC	22	LCS	AB	35PESTD.MET	30	10	1	0	183120030A	10590
23 BLANKA 11/9/18 BC	23	BLK	AB	35PESTD.MET	30	10	1	0	183120046A	10590
24 LCSA 11/9/18 BC	24	LCS	AB	35PESTD.MET	30	10	1	0	183120046A	10590
25 MIXA31824B	25	CCAL	EM	35PESTD.MET	1	1	1	0	1831599999	00177
26 TOXA41824E	26	CCAL	XY	35PESTD.MET	1	1	1	0	1831599999	00177
27 CHLD41824D	27	CCAL	DY	35PESTD.MET	1	1	1	0	1831599999	00177
28 9885261 BC DF50	28	T	AC	35PESTD.MFT	15.4	1250	1	0	183120030A	10590
29 9885261MS BC DF50	29	MS	AC	35PESTD.MET	15	1250	1	0	183120030A	10590
30 9885261MSD BC DF50	30	MSD	AC	35PESTD.MET	15.3	1250	1	0	183120030A	10590
31 MIXA41824B	31	CCAL	WP	35PESTD.MET	1	1	1	0	1831599999	00177
32 TOXA41824E	32	CCAL	YA	35PESTD.MET	1	1	1	0	1831599999	00177
33 CHLD41824D	33	CCAL	EA	35PESTD.MET	1	1	1	0	1831599999	00177
34 9879402 BC	34	T	AB	35PESTD.MET	30.02	10	1	0	183090043A	10590
35 HEXANE	35	MISC	AA	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831599999	
36 9879401 BC DF5	36	T	AC	35PESTD.MET	30.18	50	1	0	183090043A	10590
37 HEXANE	37	MISC	AA	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831599999	
38 9879403 BC DF5	38	T	AC	35PESTD.MET	30.41	50	1	0	183090043A	10590
39 HEXANE	39	MISC	AA	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831599999	
40 9879404 BC DF5	40	T	AC	35PESTD.MET	30.08	50	1	0	183090043A	10590
41 HEXANE	41	MISC	AA	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831599999	
42 9879405 BC DF5	42	T	AC	35PESTD.MET	30.24	50	1	0	183090043A	10590
43 HEXANE	43	MISC	AA	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831599999	
44 EVALX1824B	44	PEM	MN	35PESTD.MET	1	1	1	0	1831599999	00177
45 MIXA31824B	45	CCAL	EN	35PESTD.MET	1	1	1	0	1831599999	00177
46 TOXA41824E	46	CCAL	YI	35PESTD.MET	1	1	1	0	1831599999	00177
47 CHLD41824D	47	CCAL	EI	35PESTD.MET	1	1	1	0	1831599999	00177
48 9879347 BC DF20	48	T	AC	35PESTD.MET	5	200	1	0	183120046A	10590
49 HEXANE	49	MISC	AA	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831599999	
50 9880320 BC	50	T	AB	35PESTD.MET	30.48	10	1	0	183120046A	10590

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP35\35pest18271025.seq
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 Number of Entries: 81

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 HEXANE	51	MISC	AA	PT-24ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831599999	
52 9880320MS BC	52	MS	AB	35PESTD.MET	30.2	10	1	0	183120046A	10590
53 HEXANE	53	MISC	AA	PT-24ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831599999	
54 9880320MSD BC	54	MSD	AB	35PESTD.MET	30.1	10	1	0	183120046A	10590
55 HEXANE	55	MISC	AA	PT-24ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831599999	
56 9880321 BC	56	T	AB	35PESTD.MET	30.36	10	1	0	183120046A	10590
57 MIXA41824B	57	CCAL	WX	35PESTD.MET	1	1	1	0	1831599999	00177
58 TOXA41824E	58	CCAL	YJ	35PESTD.MET	1	1	1	0	1831599999	00177
59 CHLD41824D	59	CCAL	EJ	35PESTD.MET	1	1	1	0	1831599999	00177
60 9880318 BC DF5	60	T	AC	35PESTD.MET	30.48	50	1	0	183120046A	10590
61 HEXANE	61	MISC	AA	PT-24ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831599999	
62 9880319 BC DF5	62	T	AC	35PESTD.MET	30.47	50	1	0	183120046A	10590
63 HEXANE	63	MISC	AA	PT-24ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831599999	
64 9880319 BC DF10	64	T	AD	35PESTD.MET	30.47	100	1	0	183120046A	10590
65 HEXANE	65	MISC	AA	PT-24ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831599999	
66 9881829 BC DF20	66	T	AC	35PESTD.MET	30.41	200	1	0	183120046A	10590
67 HEXANE	67	MISC	AA	PT-24ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831599999	
68 9881850 BC DF25	68	T	AC	35PESTD.MET	30.43	250	1	0	183120046A	10590
69 HEXANE	69	MISC	AA	PT-24ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831599999	
70 EVALX1824B	70	PEM	MO	35PESTD.MET	1	1	1	0	1831599999	00177
71 MIXA31824B	71	CCAL	EO	35PESTD.MET	1	1	1	0	1831599999	00177
72 TOXA41824E	72	CCAL	YK	35PESTD.MET	1	1	1	0	1831599999	00177
73 9881851 BC DF25	73	T	AC	35PESTD.MET	30.09	250	1	0	183120046A	10590
74 9881831 BC DF25	74	T	AC	35PESTD.MET	30.43	250	1	0	183120046A	10590
75 HEXANE	75	MISC	AA	PT-24ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831599999	
76 9881831 BC DF50	76	T	AD	35PESTD.MET	30.43	500	1	0	183120046A	10590
77 HEXANE	77	MISC	AA	PT-24ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831599999	
78 9881849 BC DF50	78	T	AC	35PESTD.MET	30.32	500	1	0	183120046A	10590
79 9881830 BC DF500	79	T	AD	35PESTD.MET	30.04	5000	1	0	183120046A	10590
80 MIXA41824B	80	CCAL	WZ	35PESTD.MET	1	1	1	0	1831599999	00177
81 TOXA41824E	81	CCAL	YL	35PESTD.MET	1	1	1	0	1831599999	00177

MW15244
 11/13/18

Set-up by: DJS 15222
 11/12/2018

Date: 11/12/18



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CHROM PERFECT SEQUENCE FILE

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 Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35
 Number of Entries: 94

<u>Samplename</u>	<u>VP</u>	<u>Code</u>	<u>ID</u>	<u>Method</u>	<u>Samp Amt</u>	<u>DF</u>	<u>Int Std</u>	<u>C</u>	<u>Batch Number</u>	<u>Analysis</u>
1 HEXANE	1	MISC	AA	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	
2 IBLKX1824B	2	PIBLK	RR	PT-24\ACTIVE\CP35\35PESTD.MET	1000	10	1	0	1831699999	00177
3 EVALX1824B	3	PEM	MS	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	00177
4 MIXA41824B	4	CCAL	XF	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	00177
5 TOXA41824E	5	CCAL	YR	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	00177
6 CHLD41824D	6	CCAL	EP	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	00177
7 HEXANE	7	CCAL	AA	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	00177
8 BLANKA 11/12/18 BC	8	BLK	AB	PT-24\ACTIVE\CP35\35PESTD.MET	1	10	1	0	183160020A	10590
9 LCSA 11/12/18 BC	9	LCS	AB	PT-24\ACTIVE\CP35\35PESTD.MET	1	10	1	0	183160020A	10590
10 9886519 BC DF20	10	T	AC	PT-24\ACTIVE\CP35\35PESTD.MET	1.5	200	1	0	183160020A	10590
11 9886519MS DF20	11	MS	AC	PT-24\ACTIVE\CP35\35PESTD.MET	1.4	200	1	0	183160020A	10590
12 9886519MSD DF20	12	MSD	AC	PT-24\ACTIVE\CP35\35PESTD.MET	1.4	200	1	0	183160020A	10590
13 HEXANE	13	MISC	AA	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	
14 9887870 BC DF20	14	T	AC	PT-24\ACTIVE\CP35\35PESTD.MET	1	200	1	0	183160020A	10590
15 HEXANE	15	MISC	AA	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	
16 IBLKX1824B	16	PIBLK	RZ	PT-24\ACTIVE\CP35\35PESTD.MET	1000	10	1	0	1831699999	00177
17 MIXA41824B	17	CCAL	XG	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	00177
18 TOXA41824E	18	CCAL	YS	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	00177
19 CHLD41824D	19	CCAL	EQ	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	00177
20 HEXANE	20	MISC	AA	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	
21 BLANKA 10/30/18 CFG	21	BLK	AC	PT-24\ACTIVE\CP35\35PESTD.MET	30	10	1	0	183020030A	14587
22 LCSA 10/30/18 CFG	22	LCS	AC	PT-24\ACTIVE\CP35\35PESTD.MET	30	10	1	0	183020030A	14587
23 EVALX1824B	23	PEM	MU	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	00177
24 MIXA31824B	24	CCAL	EU	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	00177
25 TOXA41824E	25	CCAL	YU	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	00177
26 CHLD41824D	26	CCAL	ES	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	00177
27 9867761 CFG DF20	27	T	AD	PT-24\ACTIVE\CP35\35PESTD.MET	30.48	200	1	0	183020030A	14587
28 9867761 CFG DF50	28	T	AE	PT-24\ACTIVE\CP35\35PESTD.MET	30.48	500	1	0	183020030A	14587
29 9867762 CFG DF5	29	T	AD	PT-24\ACTIVE\CP35\35PESTD.MET	30.23	50	1	0	183020030A	14587
30 HEXANE	30	MISC	AA	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	
31 9867763MS CFG DF5	31	MS	AD	PT-24\ACTIVE\CP35\35PESTD.MET	30.29	50	1	0	183020030A	14587
32 9867764MSD CFG DF5	32	MSD	AD	PT-24\ACTIVE\CP35\35PESTD.MET	30.4	50	1	0	183020030A	14587
33 HEXANE	33	MISC	AA	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	
34 9867766 CFG DF5	34	T	AD	PT-24\ACTIVE\CP35\35PESTD.MET	30.28	50	1	0	183020030A	14587
35 9867767 CFG DF100	35	T	AD	PT-24\ACTIVE\CP35\35PESTD.MET	30.4	1000	1	0	183020030A	14587
36 9870252 CFG DF10	36	T	AD	PT-24\ACTIVE\CP35\35PESTD.MET	30.34	100	1	0	183020030A	14587
37 MIXA41824B	37	CCAL	XJ	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	00177
38 TOXA41824E	38	CCAL	YV	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	00177
39 CHLD41824D	39	CCAL	ET	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	00177
40 9870251 CFG	40	T	AC	PT-24\ACTIVE\CP35\35PESTD.MET	30.14	10	1	0	183020030A	14587
41 HEXANE	41	MISC	AA	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	
42 9870252 CFG DF20	42	T	AE	PT-24\ACTIVE\CP35\35PESTD.MET	30.34	200	1	0	183020030A	14587
43 9870253 CFG DF10	43	T	AD	PT-24\ACTIVE\CP35\35PESTD.MET	30.2	100	1	0	183020030A	14587
44 9870253 CFG DF20	44	T	AE	PT-24\ACTIVE\CP35\35PESTD.MET	30.2	200	1	0	183020030A	14587
45 9870254 CFG DF10	45	T	AD	PT-24\ACTIVE\CP35\35PESTD.MET	30.13	100	1	0	183020030A	14587
46 9870254 CFG DF20	46	T	AE	PT-24\ACTIVE\CP35\35PESTD.MET	30.13	200	1	0	183020030A	14587
47 9872060 CFG DF10	47	T	AD	PT-24\ACTIVE\CP35\35PESTD.MET	30.04	100	1	0	183020030A	14587
48 9872060 CFG DF20	48	T	AE	PT-24\ACTIVE\CP35\35PESTD.MET	30.04	200	1	0	183020030A	14587
49 9872061 CFG DF10	49	T	AD	PT-24\ACTIVE\CP35\35PESTD.MET	30.1	100	1	0	183020030A	14587
50 MIXA31824B	50	CCAL	EV	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	00177



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CHROM PERFECT SEQUENCE FILE

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 Number of Entries: 94

<u>Samplename</u>	<u>VP</u>	<u>Code</u>	<u>ID</u>	<u>Method</u>	<u>Samp Amt</u>	<u>DF</u>	<u>Int Std</u>	<u>C</u>	<u>Batch Number</u>	<u>Analysis</u>
51 TOXA41824E	51	CCAL	YW	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	00177
52 CHLD41824D	52	CCAL	EU	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	00177
53 9872061 CFG DF20	53	T	AE	PT-24\ACTIVE\CP35\35PESTD.MET	30.1	200	1	0	183020030A	14587
54 9872062 CFG DF10	54	T	AD	PT-24\ACTIVE\CP35\35PESTD.MET	30.18	100	1	0	183020030A	14587
55 9872062 CFG DF20	55	T	AE	PT-24\ACTIVE\CP35\35PESTD.MET	30.18	200	1	0	183020030A	14587
56 9872063 CFG	56	T	AC	PT-24\ACTIVE\CP35\35PESTD.MET	30.06	10	1	0	183020030A	14587
57 HEXANE	57	MISC	AA	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	
58 9872064 CFG DF50	58	T	AD	PT-24\ACTIVE\CP35\35PESTD.MET	30.19	500	1	0	183020030A	14587
59 EVALX1824B	59	PEM	MV	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	00177
60 MIXA41824B	60	CCAL	XL	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	00177
61 TOXA41824E	61	CCAL	YX	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	00177
62 CHLD41824D	62	CCAL	EV	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	00177
63 9870349 CFG	63	T	AC	PT-24\ACTIVE\CP35\35PESTD.MET	30	10	1	0	183020030A	14587
64 HEXANE	64	MISC	AA	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	
65 9870350 CFG	65	T	AC	PT-24\ACTIVE\CP35\35PESTD.MET	30.1	10	1	0	183020030A	14587
66 HEXANE	66	MISC	AA	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	
67 9870351 CFG	67	T	AC	PT-24\ACTIVE\CP35\35PESTD.MET	30.1	10	1	0	183020030A	14587
68 HEXANE	68	MISC	AA	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	
69 9872065 CFG DF20	69	T	AD	PT-24\ACTIVE\CP35\35PESTD.MET	30.42	200	1	0	183020030A	14587
70 9872065 CFG DF50	70	T	AE	PT-24\ACTIVE\CP35\35PESTD.MET	30.42	500	1	0	183020030A	14587
71 IBLKX1824B	71	PIBLK	SS	35PESTD.MET	1000	10	1	0	1831699999	00177
72 MIXA31824B	72	CCAL	EW	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	00177
73 TOXA41824E	73	CCAL	YY	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	00177
74 CHLD41824D	74	CCAL	EW	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	00177
75 BLANKA 11/2/18 CFG	75	BLK	AC	35PESTD.MET	30	10	1	0	183050038A	14587
76 LCSA 11/2/18 CFG	76	LCS	AC	35PESTD.MET	30	10	1	0	183050038A	14587
77 IBLKX1824B	77	PIBLK	ST	35PESTD.MET	1000	10	1	0	1831699999	00177
78 EVALX1824B	78	PEM	MY	35PESTD.MET	1	1	1	0	1831699999	00177
79 MIXA31824B	79	CCAL	EX	35PESTD.MET	1	1	1	0	1831699999	00177
80 TOXA41824E	80	CCAL	ZC	35PESTD.MET	1	1	1	0	1831699999	00177
81 CHLD41824D	81	CCAL	FA	35PESTD.MET	1	1	1	0	1831699999	00177
82 9874411 CFG	82	T	AC	35PESTD.MET	30.19	10	1	0	183050038A	14587
83 HEXANE	83	MISC	AA	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	
84 9874411MS CFG	84	MS	AC	35PESTD.MET	30.1	10	1	0	183050038A	14587
85 9874411MSD CFG	85	MSD	AC	35PESTD.MET	30.2	10	1	0	183050038A	14587
86 HEXANE	86	MISC	AA	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	
87 9874412 CFG DF50	87	T	AE	35PESTD.MET	30.29	500	1	0	183050038A	14587
88 HEXANE	88	MISC	AA	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	
89 9874413 CFG DF5	89	T	AE	35PESTD.MET	30.27	50	1	0	183050038A	14587
90 HEXANE	90	MISC	AA	PT-24\ACTIVE\CP35\35PESTD.MET	1	1	1	0	1831699999	
91 IBLKX1824B	91	PIBLK	SU	35PESTD.MET	1000	10	1	0	1831699999	00177
92 MIXA41824B	92	CCAL	XR	35PESTD.MET	1	1	1	0	1831699999	00177
93 TOXA41824E	93	CCAL	ZD	35PESTD.MET	1	1	1	0	1831699999	00177
94 CHLD41824D	94	CCAL	FB	35PESTD.MET	1	1	1	0	1831699999	00177

1-74 v JTB 16346
11/13/14

Checked # 75-94
Loaded # 75-94

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11/13/14



Chrom Perfect Chromatogram Report

IBLKX1824B

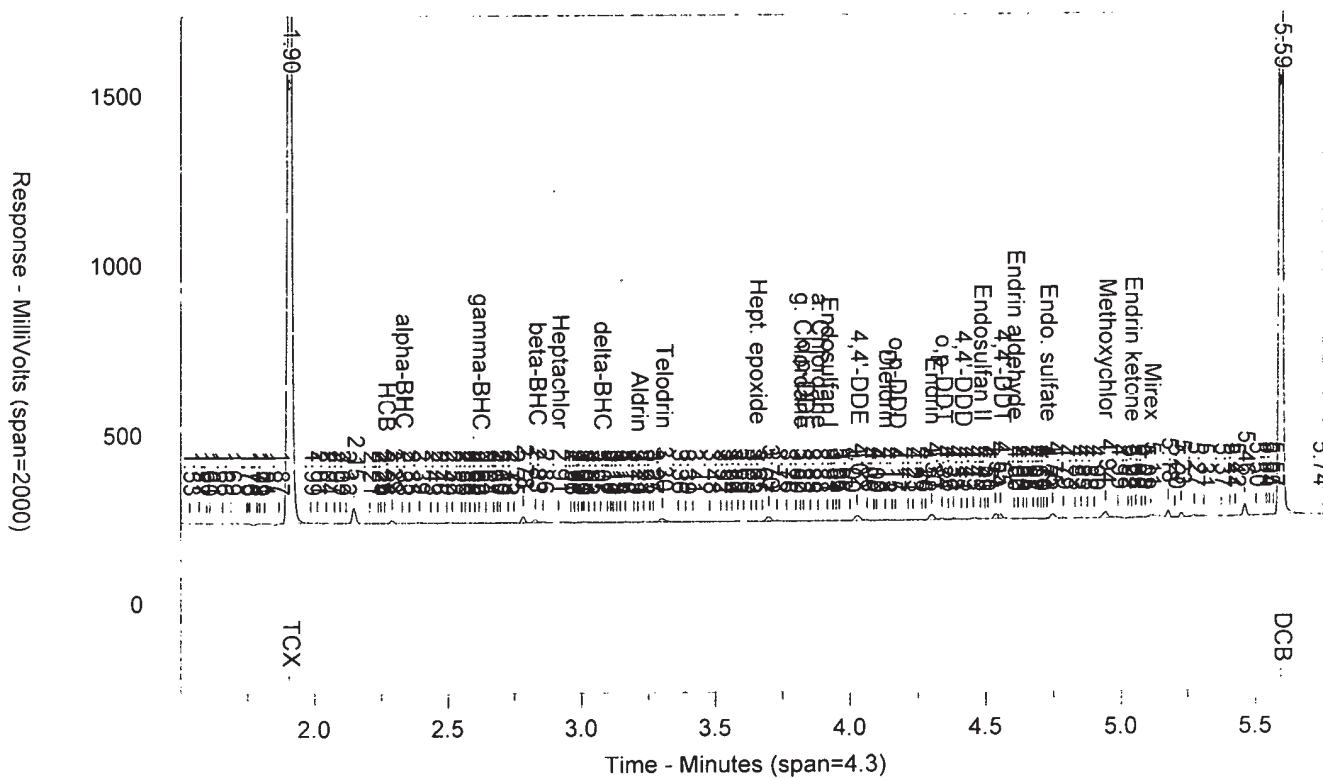
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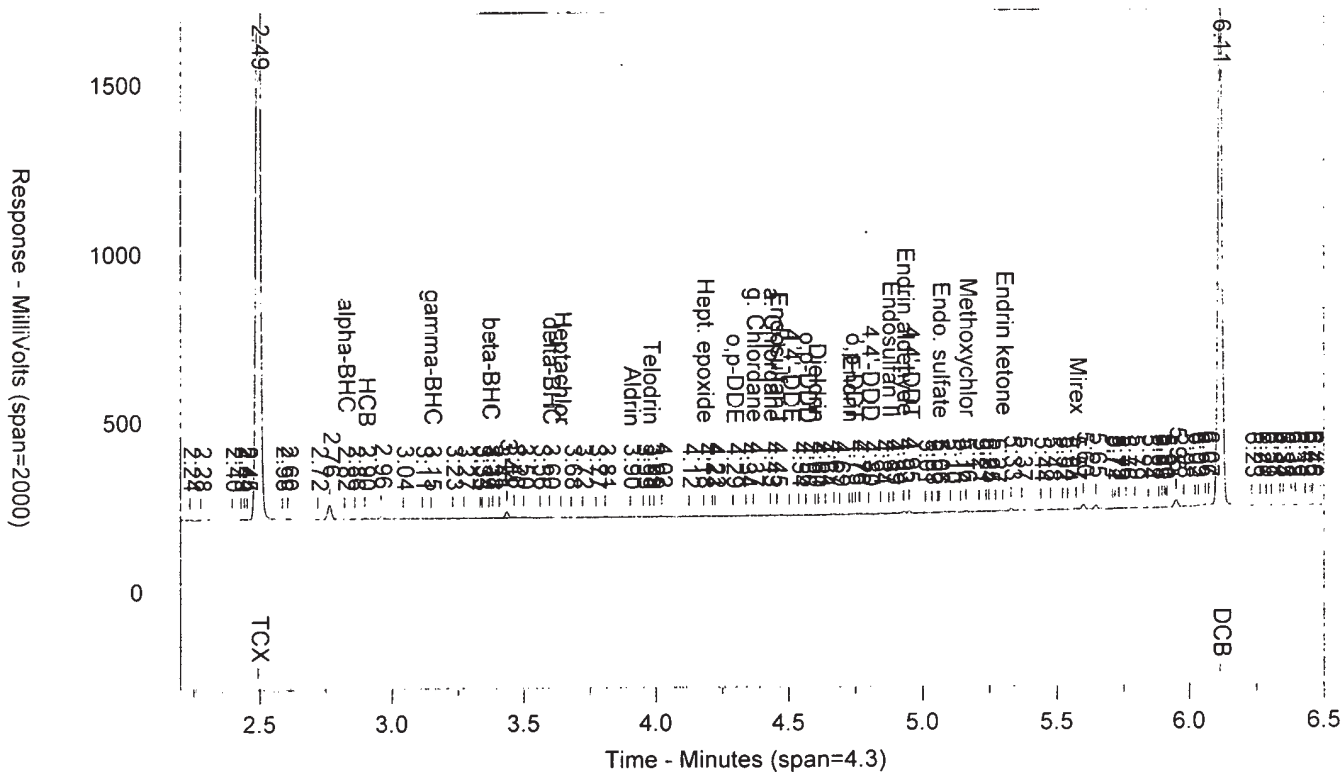
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: IBLKX1824B AAPIBLKAA PIBLK1827099999 00177 SW-846 8081A
 Injected On: 9/28/2018 4:25:45 PM Sample Weight: 1000
 Instrument ID: CP35-24952 Dilution Factor: 10
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.904	3010565	.234	TCX	2.493	2782209	.225	TCX
2.261	589		HCB	2.897	1489		HCB
2.327	536		alpha-BHC	2.819	634		alpha-BHC
2.617	700		gamma-BHC	3.146	565		gamma-BHC
2.828	7815	.001	beta-BHC	3.368	595	-.004	beta-BHC
2.913	3754		Heptachlor		0		Heptachlor
3.07	706		delta-BHC	3.596	2573		delta-BHC
3.209	639		Aldrin	3.902	732		Aldrin
3.302	8843	.001	Telodrin	3.975	741		Telodrin
3.651	548		Hept. epoxide	4.179	524	-.004	Hept. epoxide
3.816	1025		g. Chlordane	4.366	1833		g. Chlordane
3.88	613		a. Chlordane	4.43	2241	-.005	a. Chlordane
3.915	849		Endosulfan I	4.455	708	-.002	Endosulfan I
4.025	14190	.001	4,4'-DDE		0		4,4'-DDE
4.129	644		Dieldrin	4.599	515	-.004	Dieldrin
4.166	622		o,p-DDD	4.564	801		o,p-DDD
	0		o,p-DDE	4.29	375		o,p-DDE
4.3	15498	.001	Endrin		0		Endrin
4.34	4998		o,p-DDT		0		o,p-DDT
4.41	860		4,4'-DDD	4.790	915		4,4'-DDD
4.48	582		Endosulfan II	4.874	955		Endosulfan II
4.553	12688	.001	4,4'-DDT	4.949	7144	.001	4,4'-DDT
4.603	812		Endrin aldehyde	4.928	4903		Endrin aldehyde
4.725	1535		Endo. sulfate	5.062	789		Endo. sulfate
4.942	17930	.003	Methoxychlor	5.162	4323	.001	Methoxychlor
5.038	1932		Endrin ketone		0		Endrin ketone
5.11	5139		Mirex	5.572	2273		Mirex
5.592	3065434	.251	DCB	6.114	1491760	.267	DCB

Files:
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 Area File: 35pest18271001B.002.RAW
 Method A: 35PESTD.MET
 Method B: 35PESTDDB.MET
 Calibration File A: 35pest1827101.CAL
 Calibration File B: 35pest1827101b.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
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IBLKX1824B

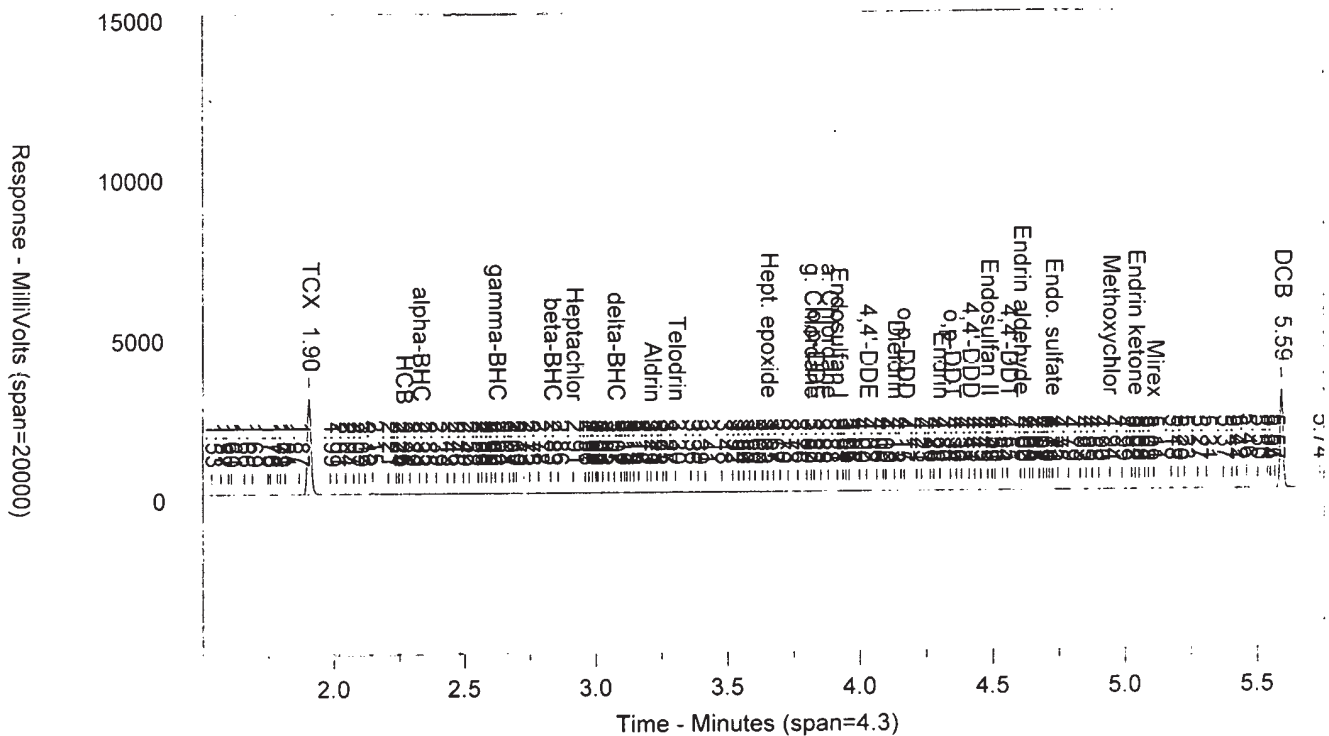
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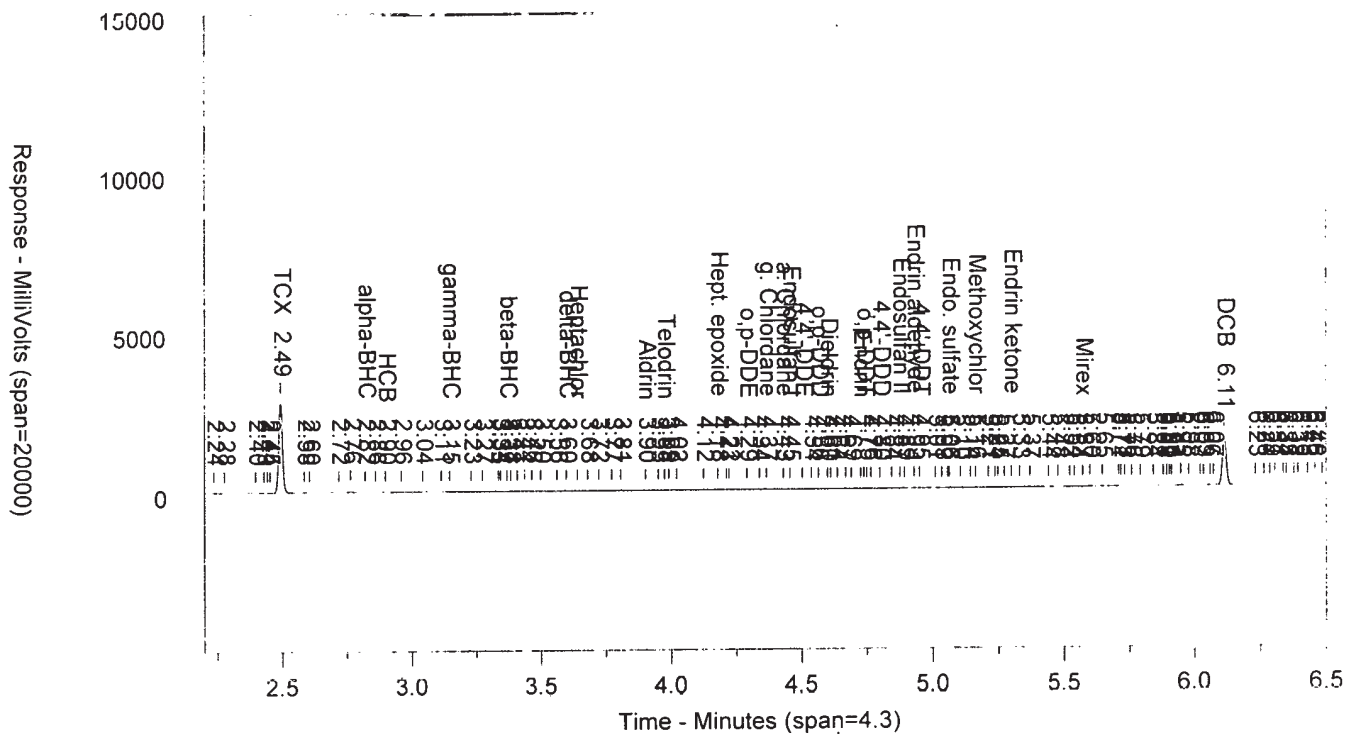
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SW-846 8081A

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EVALX1824B

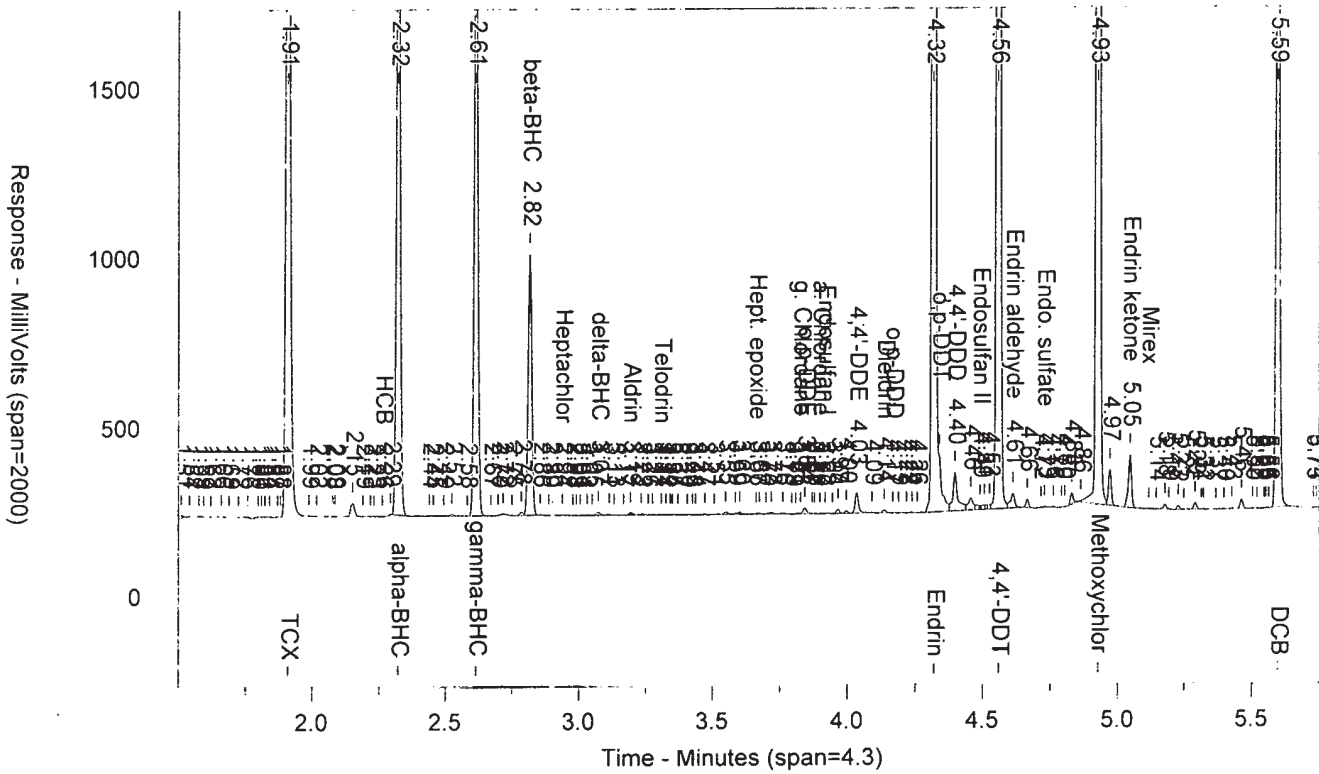
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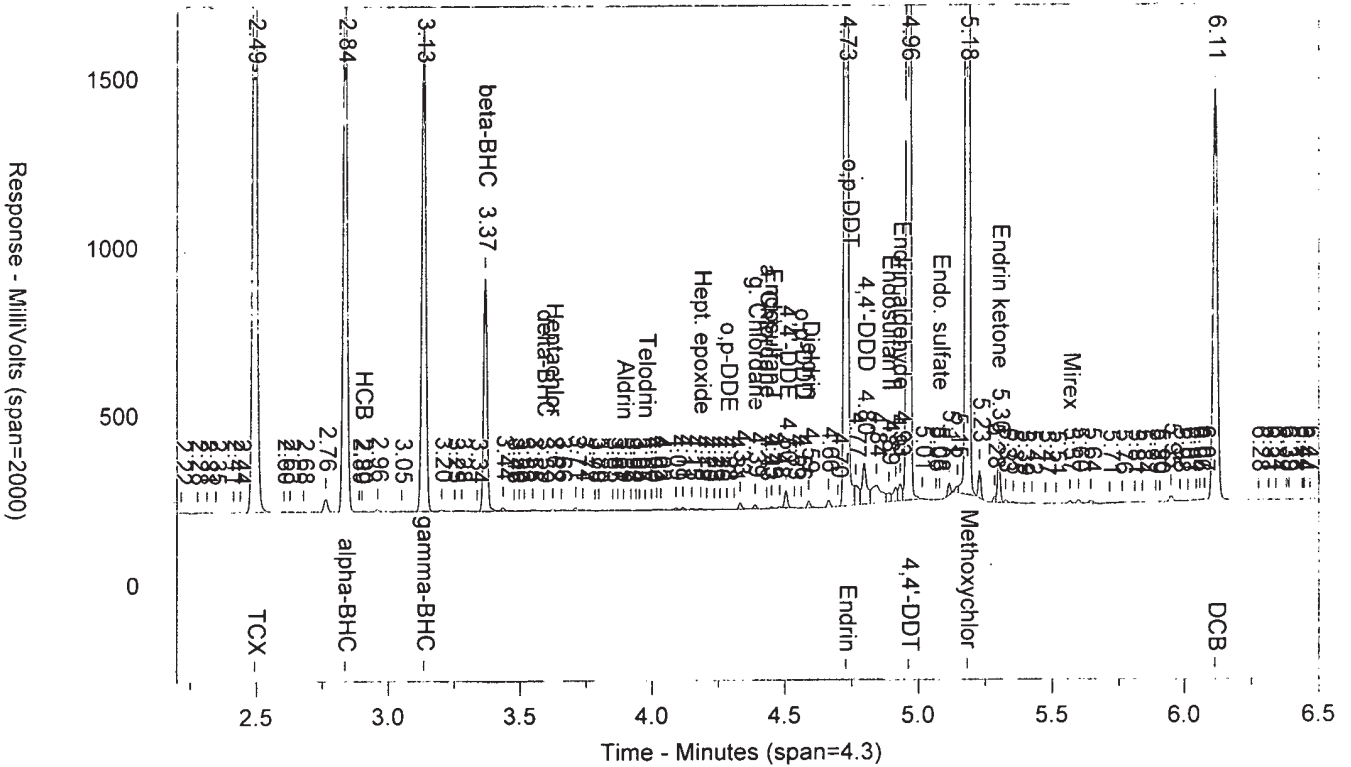
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: EVALX1824B AAPEMAA IPEM 182709999 00177 SW-846 8081A
 Injected On: 9/28/2018 4:36:14 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.909	2518794	19.543	TCX	2.493	2528519	20.43	TCX
2.262	619	.004	HCB	2.9	491	.003	HCB
2.321	1992838	9.145	alpha-BHC	2.836	1616904	9.28	alpha-BHC
2.615	1784640	8.94	gamma-BHC	3.134	1443100	9.348	gamma-BHC
2.816	772214	8.211	beta-BHC	3.368	690381	9.292	beta-BHC
2.938	2685	.015	Heptachlor	3.623	5331	.033	Heptachlor
3.073	9104	.046	delta-BHC	3.588	585	.003	delta-BHC
3.193	8814	.036	Aldrin	3.892	654	.004	Aldrin
3.307	2192	.017	Telodrin		0		Telodrin
3.662	2181	.011	Hept. epoxide	4.182	4423	-.386	Hept. epoxide
3.826	2231	.011	g. Chlordane	4.388	11193	.071	g. Chlordane
3.841	17667	.135	o,p-DDE	4.282	643	.006	o,p-DDE
3.897	616	.003	a. Chlordane	4.431	486	-.523	a. Chlordane
3.917	963	.005	Endosulfan I	4.449	5716	-.133	Endosulfan I
4.034	61161	.312	4,4'-DDE	4.504	50395	.331	4,4' DDE
4.137	8877	.043	Dieldrin	4.589	20873	-.24	Dieldrin
4.168	1309	.011	o,p-DDD	4.561	904	.01	o,p-DDD
4.32	8203162	44.338	Endrin	4.728	5863981	45.187	Endrin
4.398	115370	.707	4,4'-DDD	4.797	121981	.976	4,4'-DDD
4.49	12517	.068	Endosulfan II	4.809	26613	.199	Endosulfan II
4.559	12885220	84.996	4,4'-DDT	4.962	10065570	85.992	4,4'-DDT
4.612	44649	.296	Endrin aldehyde	4.931	50373	.456	Endrin aldehyde
4.729	3978	.024	Endo. sulfate	5.078	517	.004	Endo. sulfate
4.927	15088310	211.265	Methoxychlor	5.182	11921910	220.648	Methoxychlor
5.046	157899	.82	Endrin ketone	5.3	122466	.895	Endrin ketone
	0		Mirex	5.566	7578	.102	Mirex
5.595	2472881	20.041	DCB	6.113	1219854	21.435	DCB

Files:
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 Area File: 35pest18271001B.003.RAW
 Method A: 35PESTD.MET
 Method B: 35PESTDDB.MET
 Calibration File A: 35pest1827101.CAL
 Calibration File B: 35pest1827101b.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 9/28/2018 4:43:34 PM
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EVALX1824B

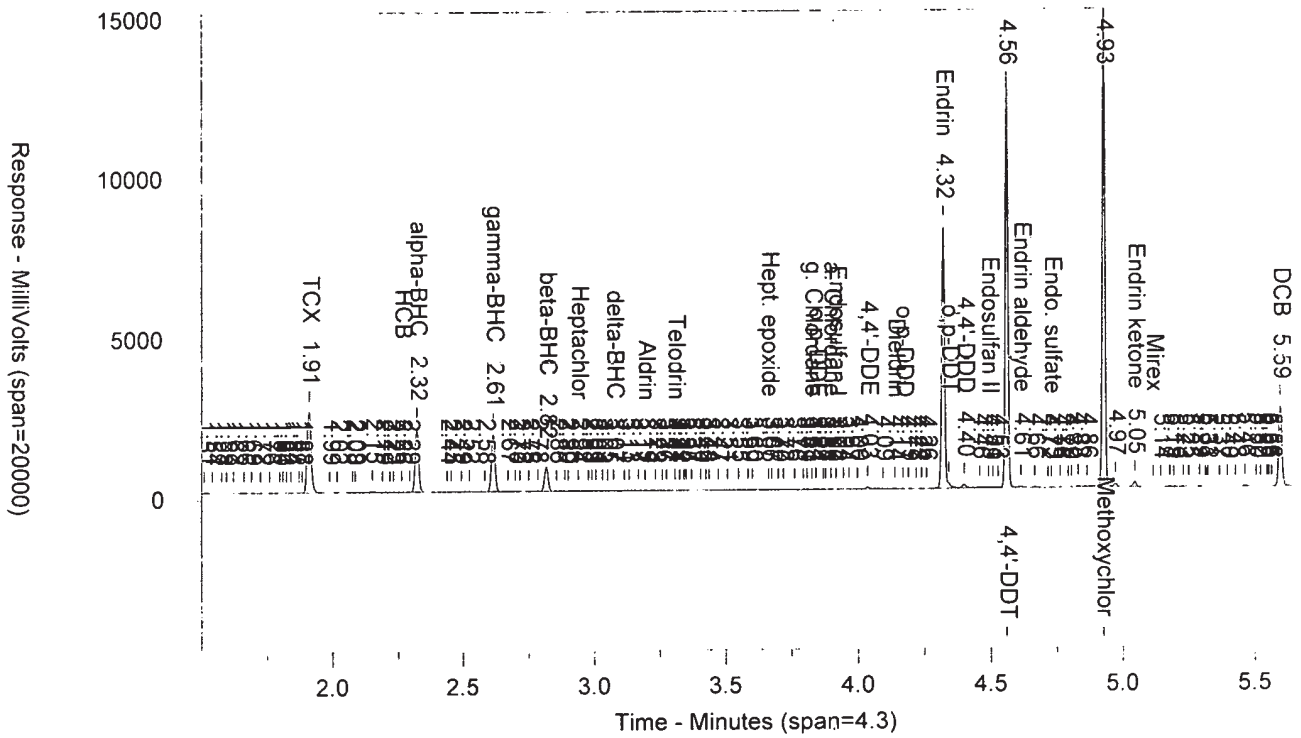
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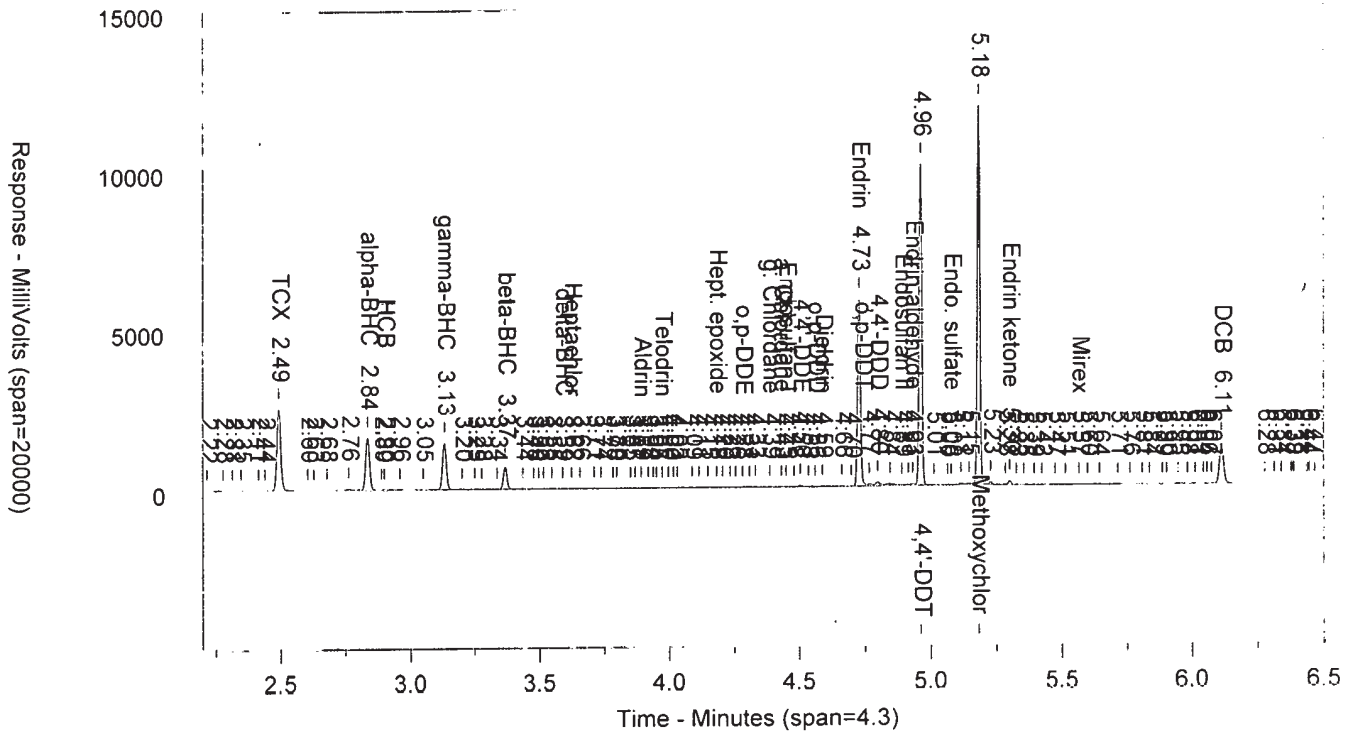
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SW-846 8081A

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MIXE11824D

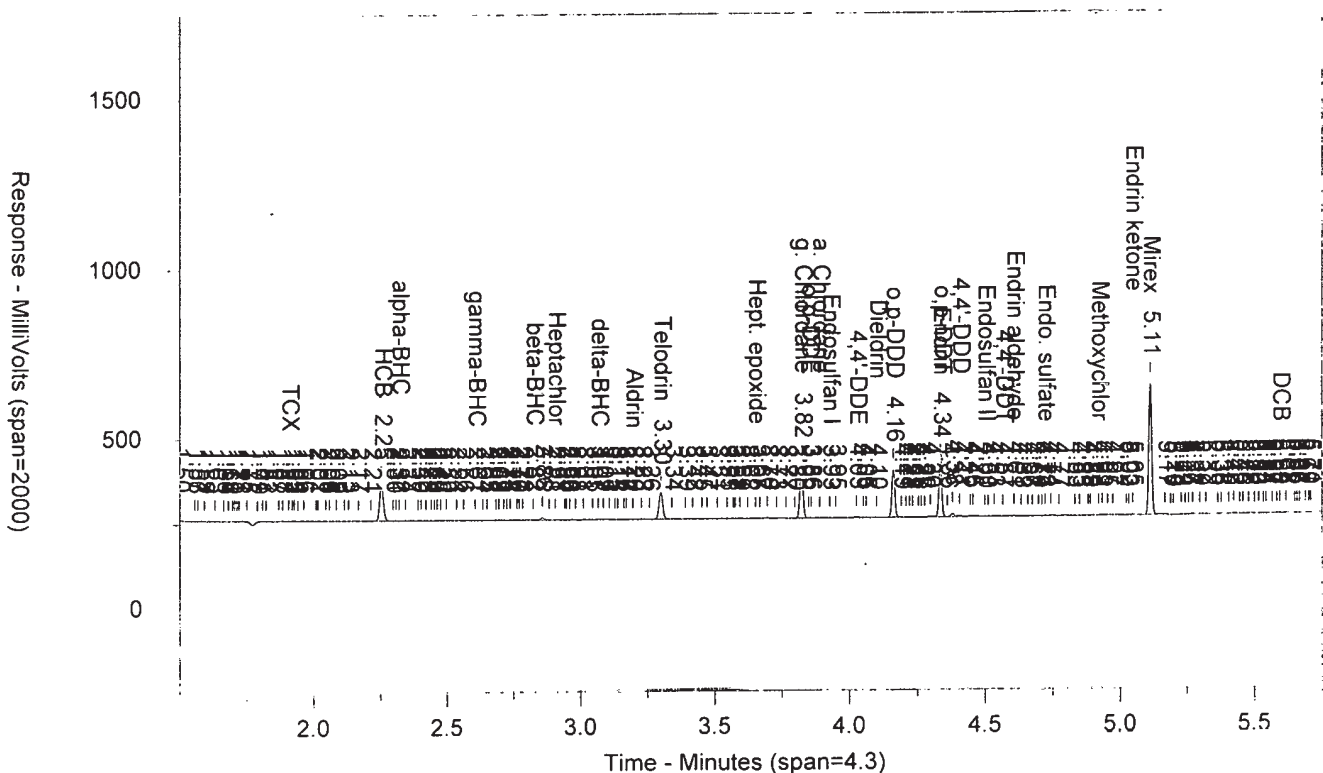
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ICAL 1827099999

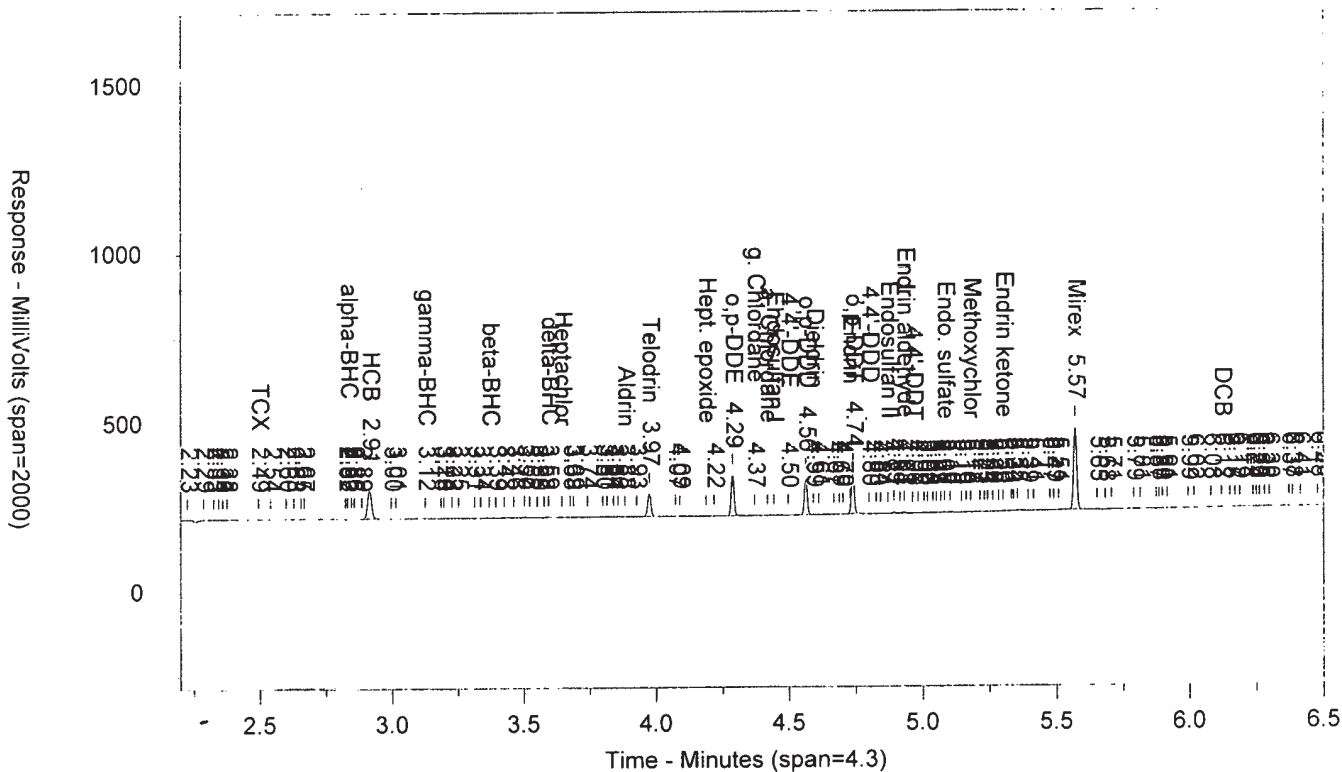
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: MIXE11824D AAMIXE1AA ICAL 182709999 00177 SW-846 8081A
 Injected On: 9/28/2018 5:59:58 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.907	772	.006	TCX	2.494	618	.005	TCX
2.253	98665	2.397	HCB	2.914	83605	2.693	HCB
2.319	594	.003	alpha-BHC	2.831	508	.003	alpha-BHC
2.607	706	.004	gamma-BHC	3.124	463	.003	gamma-BHC
2.824	1335	.014	beta-BHC		0		beta-BHC
2.906	510	.003	Heptachlor		0		Heptachlor
3.066	732	.004	delta-BHC	3.594	655	.004	delta-BHC
3.196	673	.004	Aldrin	3.881	415	.002	Aldrin
3.301	78635	3.009	Telodrin	3.974	67839	2.979	Telodrin
3.653	578	.003	Hept. epoxide		0		Hept. epoxide
3.823	154488	.775	g. Chlordane	4.37	611	.004	g. Chlordane
3.849	956	.038	o,p-DDE	4.287	120665	6.465	o,p-DDE
3.927	1158	.006	Endosulfan I		0		Endosulfan I
4.027	3170	.016	4,4'-DDE	4.497	564	.004	4,4'-DDE
4.102	809	.004	Dieldrin	4.591	522	.003	Dieldrin
4.162	139439	6.408	o,p-DDD	4.563	105261	6.402	o,p-DDD
4.337	150776	.837	Endrin		0		Endrin
4.407	4576	.029	4,4'-DDD	4.799	1097	.009	4,4'-DDD
4.501	868	.005	Endosulfan II	4.87	1004	.008	Endosulfan II
4.566	1036	.007	4,4'-DDT	4.961	838	.007	4,4'-DDT
4.608	3230	.022	Endrin aldehyde	4.931	3345	.031	Endrin aldehyde
4.722	2272	.014	Endo. sulfate	5.081	1204	.01	Endo. sulfate
	0		o,p-DDT	4.739	116804	6.803	o,p-DDT
4.92	1412	.021	Methoxychlor	5.179	611	.012	Methoxychlor
5.047	1574	.008	Endrin ketone	5.299	677	.005	Endrin ketone
5.112	384920	16.282	Mirex	5.569	242190	17.915	Mirex
5.593	1154	.009	DCB	6.119	976	-2.171	DCB

Files:

Area File: 35pest18271001.011.RAW
 Area File: 35pest18271001B.011.RAW
 Method A: 35PESTD.MET
 Method B: 35PESTDDB.MET
 Calibration File A: 35pest1827101.CAL
 Calibration File B: 35pest1827101b.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
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Chrom Perfect Chromatogram Report .

MIXE11824D

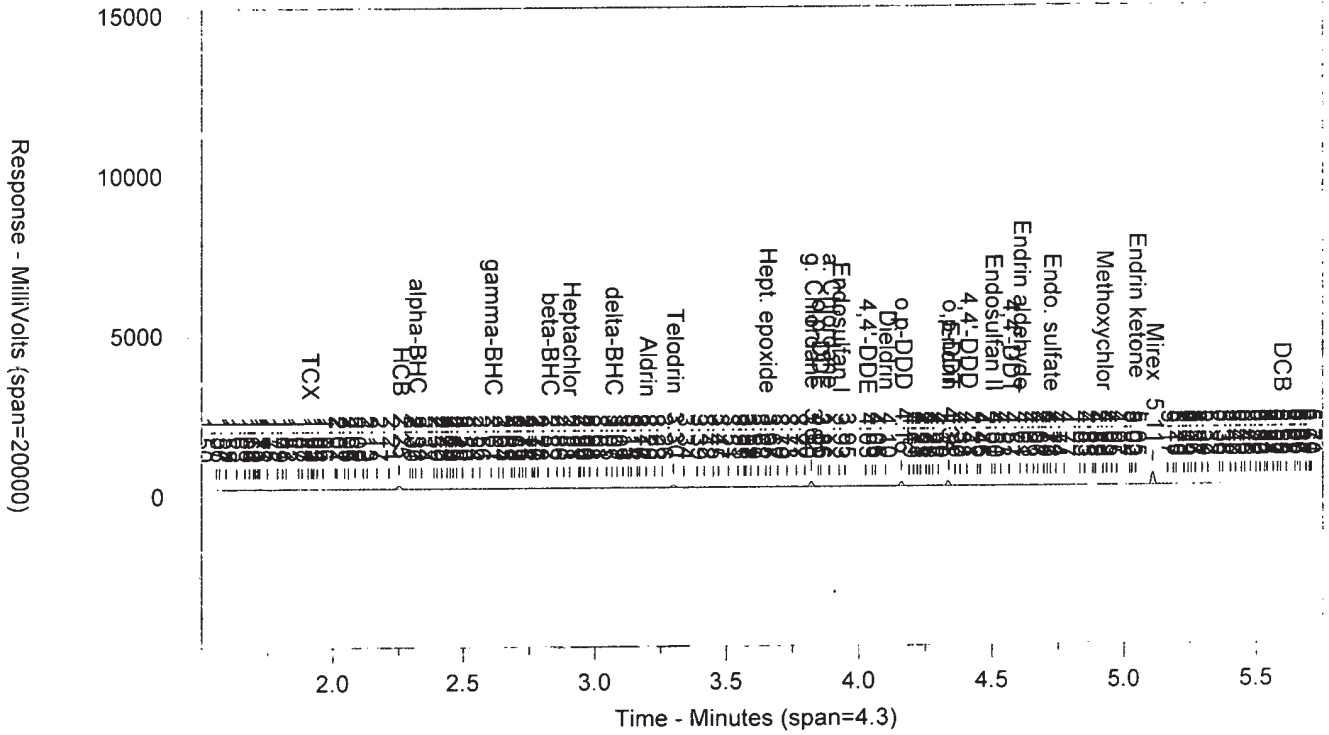
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ICAL 182709999

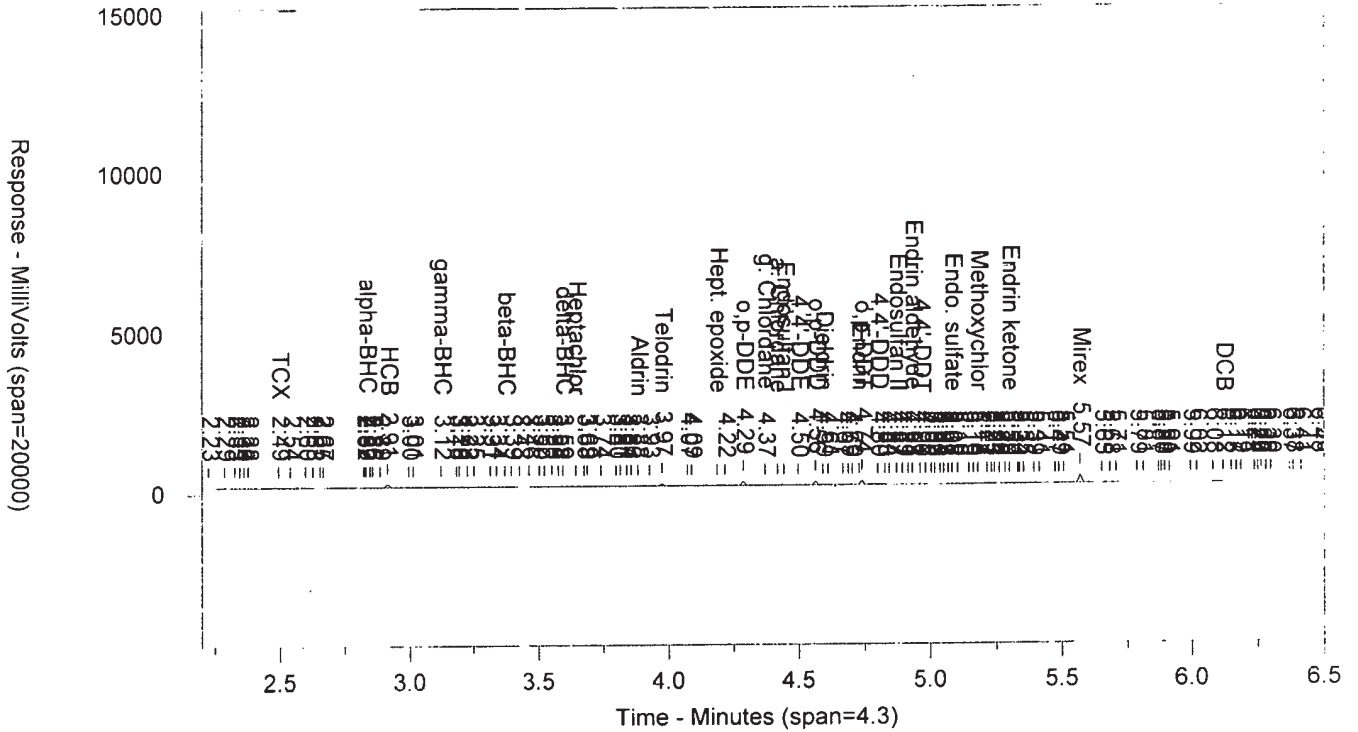
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SW-846 8081A

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MIXE21824D

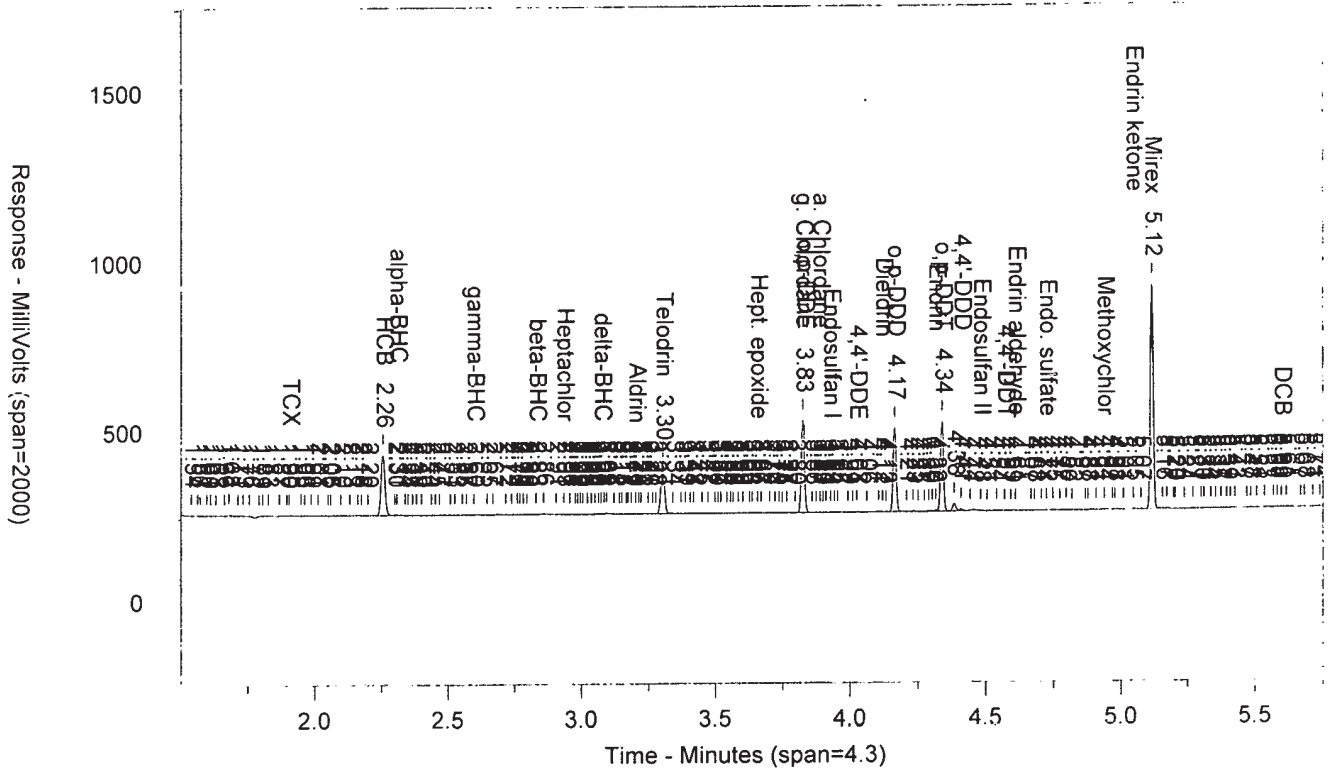
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ICAL 1827099999

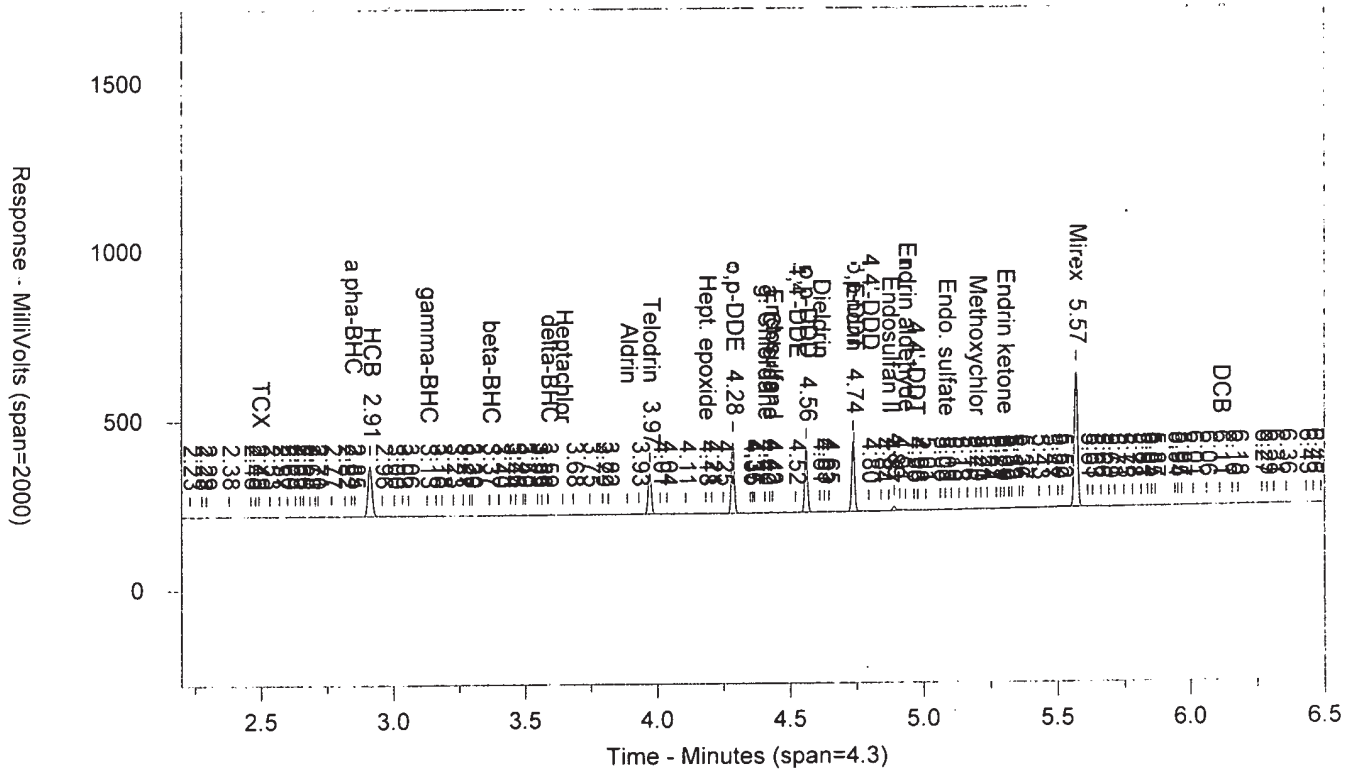
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: MIXE21824D AAMIXE2AA ICAL 182709999 00177 SW-846 8081A
 Injected On: 9/28/2018 6:10:29 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.905	789	.006	TCX	2.493	613	.005	TCX
2.256	177144	4.303	HCB	2.912	148780	4.793	HCB
2.308	691	.003	alpha-BHC	2.842	545	.003	alpha-BHC
2.598	620	.003	gamma-BHC	3.127	565	.004	gamma-BHC
2.831	1376	.015	beta-BHC	3.365	511	.006	beta-BHC
2.935	689	.004	Heptachlor		0		Heptachlor
3.073	818	.004	delta-BHC	3.587	467	.003	delta-BHC
3.202	630	.003	Aldrin		0		Aldrin
3.303	134937	5.163	Telodrin	3.972	119575	5.252	Telodrin
3.656	1439	.008	Hept. epoxide	4.184	734	.005	Hept. epoxide
3.826	272370	1.366	g. Chlordane	4.405	694	.004	g. Chlordane
3.889	476	.002	a. Chlordane	4.423	1136	.008	a. Chlordane
3.928	626	.003	Endosulfan I	4.433	852	.006	Endosulfan I
4.025	2675	.014	4,4'-DDE	4.521	483	.003	4,4'-DDE
4.121	1135	.006	Dieldrin	4.612	1670	.011	Dieldrin
4.165	246945	11.348	o,p-DDD	4.561	184935	11.247	o,p-DDD
	0		o,p-DDE	4.285	208200	11.155	o,p-DDE
4.317	4132	.023	Endrin	4.737	206435	1.629	Endrin
4.34	264158	11.382	o,p-DDT		0		o,p-DDT
4.409	6220	.04	4,4'-DDD	4.796	913	.007	4,4'-DDD
4.482	838	.005	Endosulfan II	4.87	631	.005	Endosulfan II
4.57	521	.004	4,4'-DDT	4.964	742	.007	4,4'-DDT
4.61	1184	.008	Endrin aldehyde		0		Endrin aldehyde
4.724	1413	.009	Endo. sulfate	5.081	1439	.012	Endo. sulfate
4.938	782	.012	Methoxychlor	5.195	491	.009	Methoxychlor
5.046	1256	.007	Endrin ketone	5.3	675	.005	Endrin ketone
5.116	663174	28.052	Mirex	5.568	398510	29.478	Mirex
5.596	588	.004	DCB	6.11	779	-2.175	DCB

Files:

Area File: 35pest18271001.012.RAW
 Area File: 35pest18271001B.012.RAW
 Method A: 35PESTD.MET
 Method B: 35PESTD.B.MET
 Calibration File A: 35pest1827101.CAL
 Calibration File B: 35pest1827101b.CAL
 Format A: pestD35.FMTA
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MIXE21824D

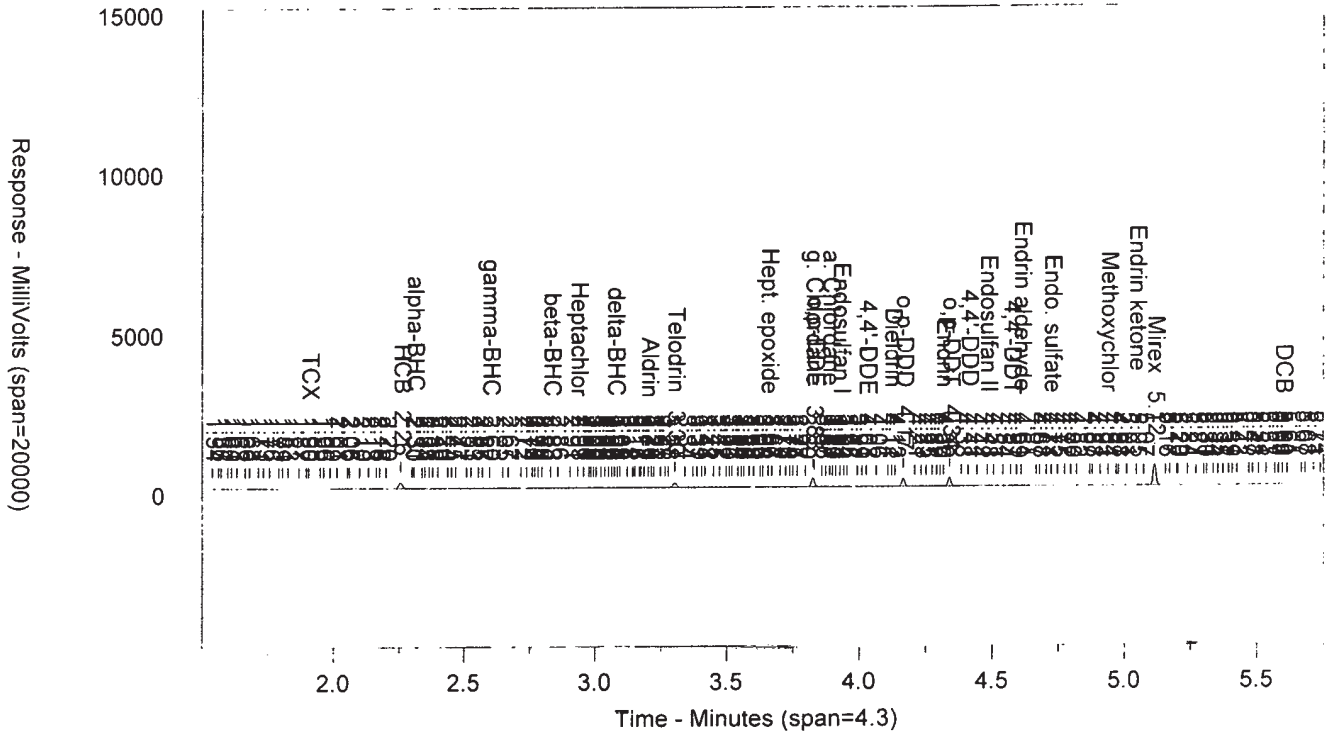
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ICAL 1827099999

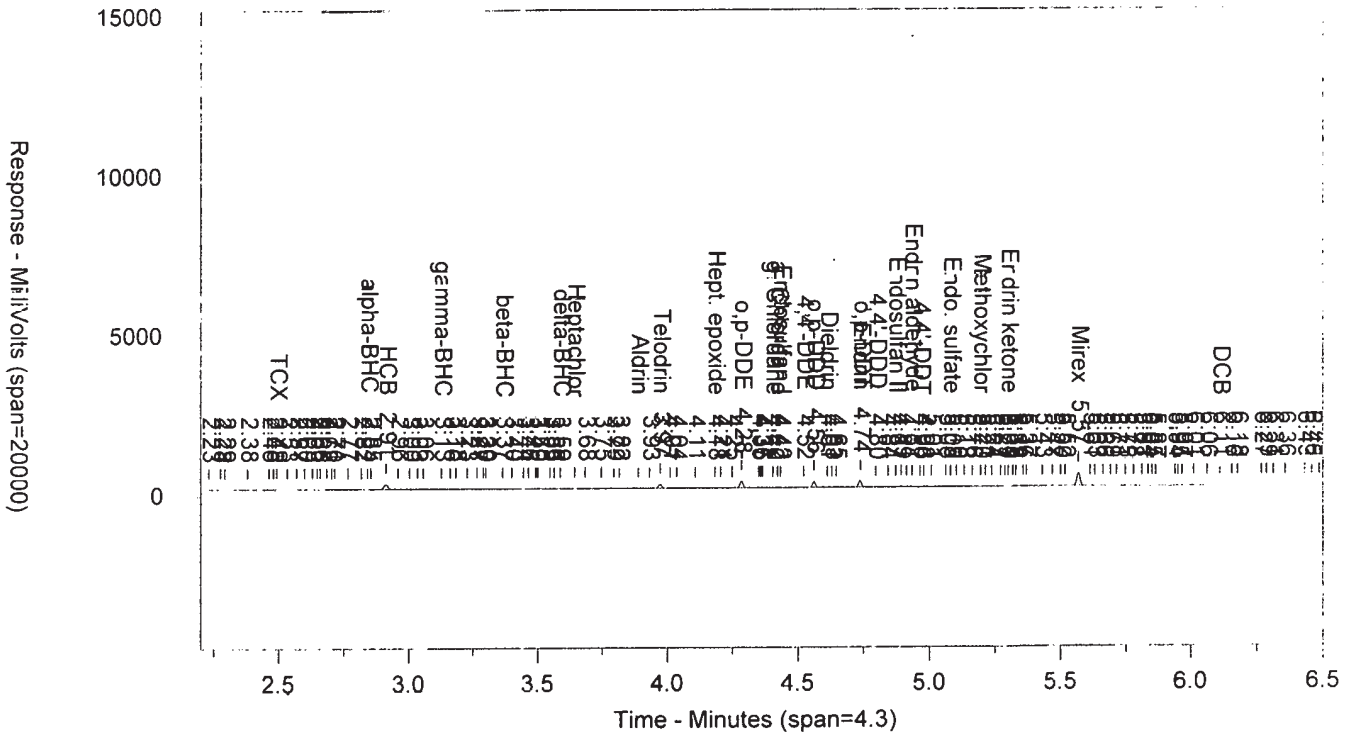
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SW-846 8081A

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MIXE31824D

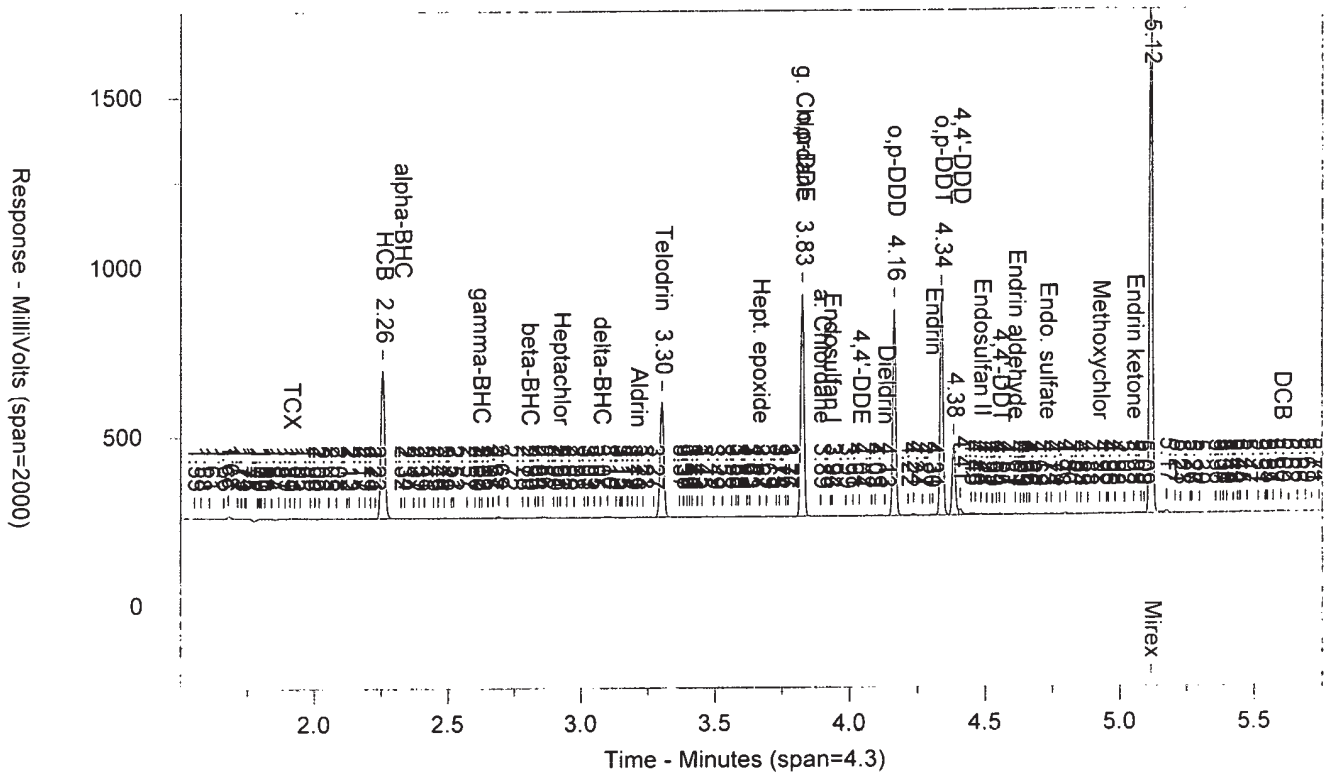
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ICAL 1827099999

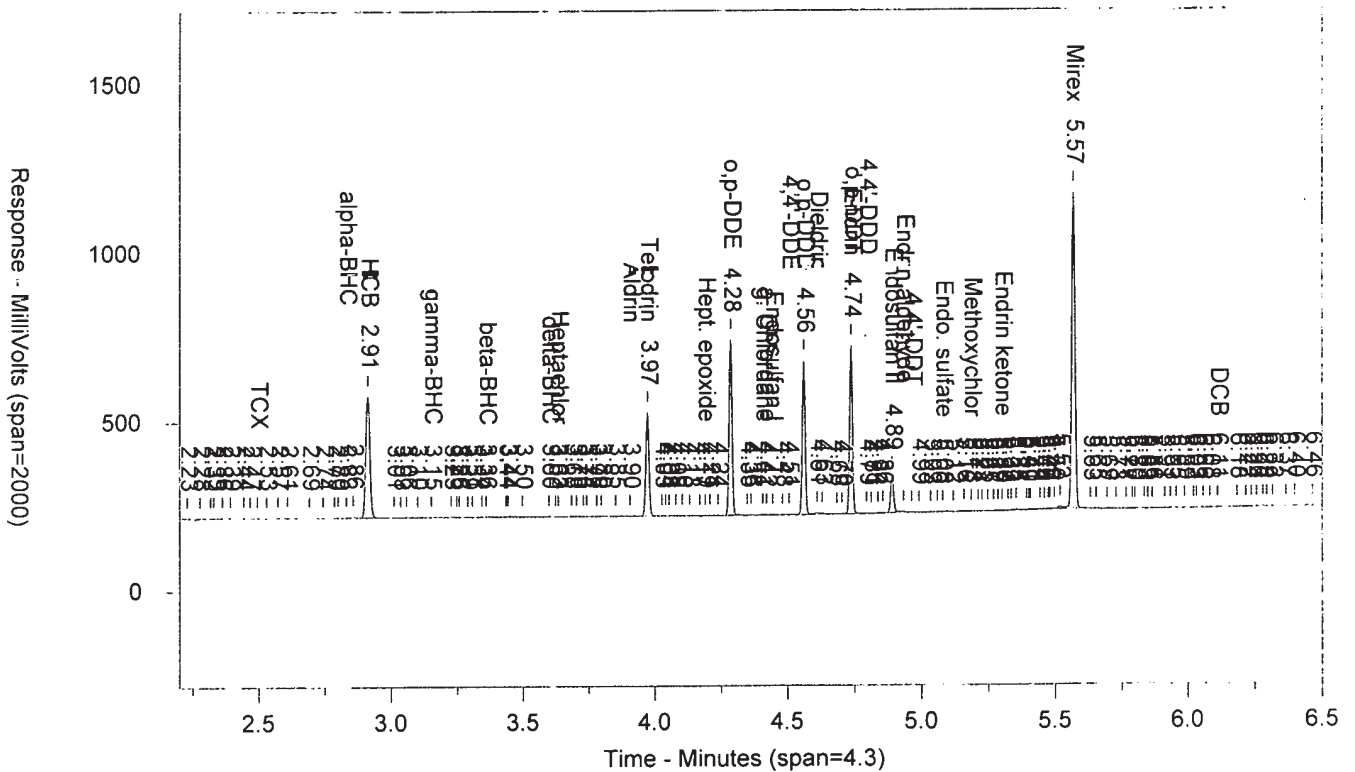
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: MIXE31824D AAMIXE3AA ICAL 182709999 00177 SW-846 8081A
 Injected On: 9/28/2018 6:21:03 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.909	1295	.01	TCX		0		TCX
2.255	439090	10.667	HCB	2.911	356815	11.494	HCB
2.324	714	.003	alpha-BHC	2.83	718	.004	alpha-BHC
2.62	744	.004	gamma-BHC	3.151	661	.004	gamma-BHC
2.802	1138	.012	beta-BHC	3.359	509	.006	beta-BHC
2.923	1319	.008	Heptachlor	3.633	586	.004	Heptachlor
3.072	1103	.006	delta-BHC	3.598	837	.005	delta-BHC
3.21	686	.004	Aldrin	3.905	484	.003	Aldrin
3.303	342135	13.09	Telodrin	3.971	305033	13.397	Telodrin
3.666	386	.002	Hept. epoxide	4.189	490	.003	Hept. epoxide
3.826	657877	3.3	g. Chlordane	4.406	1238	.008	g. Chlordane
3.892	460	.002	a. Chlordane	4.42	593	.004	a. Chlordane
3.929	607	.003	Endosulfan I		0		Endosulfan I
4.036	1995	.01	4,4'-DDE	4.505	1029	.007	4,4'-DDE
4.131	641	.003	Dieldrin	4.61	5272	.035	Dieldrin
4.165	611530	28.103	o,p-DDD	4.56	454791	27.659	o,p-DDD
	0		o,p-DDE	4.284	518123	27.761	o,p-DDE
4.306	1749	.01	Endrin	4.736	496815	3.92	Endrin
4.339	647503	27.898	o,p-DDT		0		o,p-DDT
4.408	17423	.111	4,4'-DDD	4.795	2729	.022	4,4'-DDD
4.484	3408	.019	Endosulfan II	4.89	103830	.796	Endosulfan II
4.553	2559	.018	4,4'-DDT		0		4,4'-DDT
4.613	2668	.018	Endrin aldehyde		0		Endrin aldehyde
4.728	1425	.009	Endo. sulfate	5.078	775	.006	Endo. sulfate
4.924	711	.011	Methoxychlor	5.185	1545	.03	Methoxychlor
5.051	2634	.014	Endrin ketone	5.3	1193	.009	Endrin ketone
5.116	1653796	69.958	Mirex	5.567	936550	69.277	Mirex
5.596	2139	.016	DCB	6.111	550	-2.179	DCB

Files:

Area File: 35pest18271001.013.RAW
 Area File: 35pest18271001B.013.RAW
 Method A: 35PESTD.MET
 Method B: 35PESTD.MET
 Calibration File A: 35pest1827101.CAL
 Calibration File B: 35pest1827101b.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 9/28/2018 6:28:24 PM
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Chrom Perfect Chromatogram Report

MIXE31824D

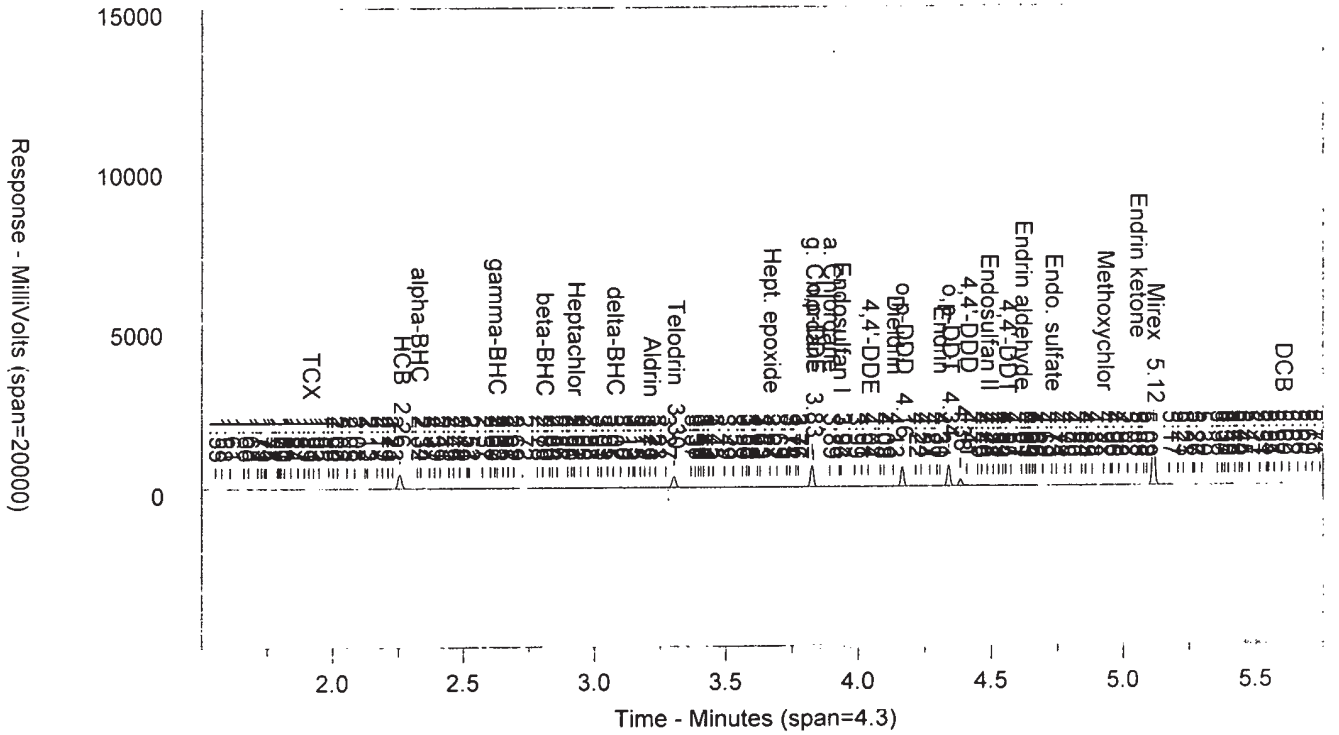
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ICAL 1827099999

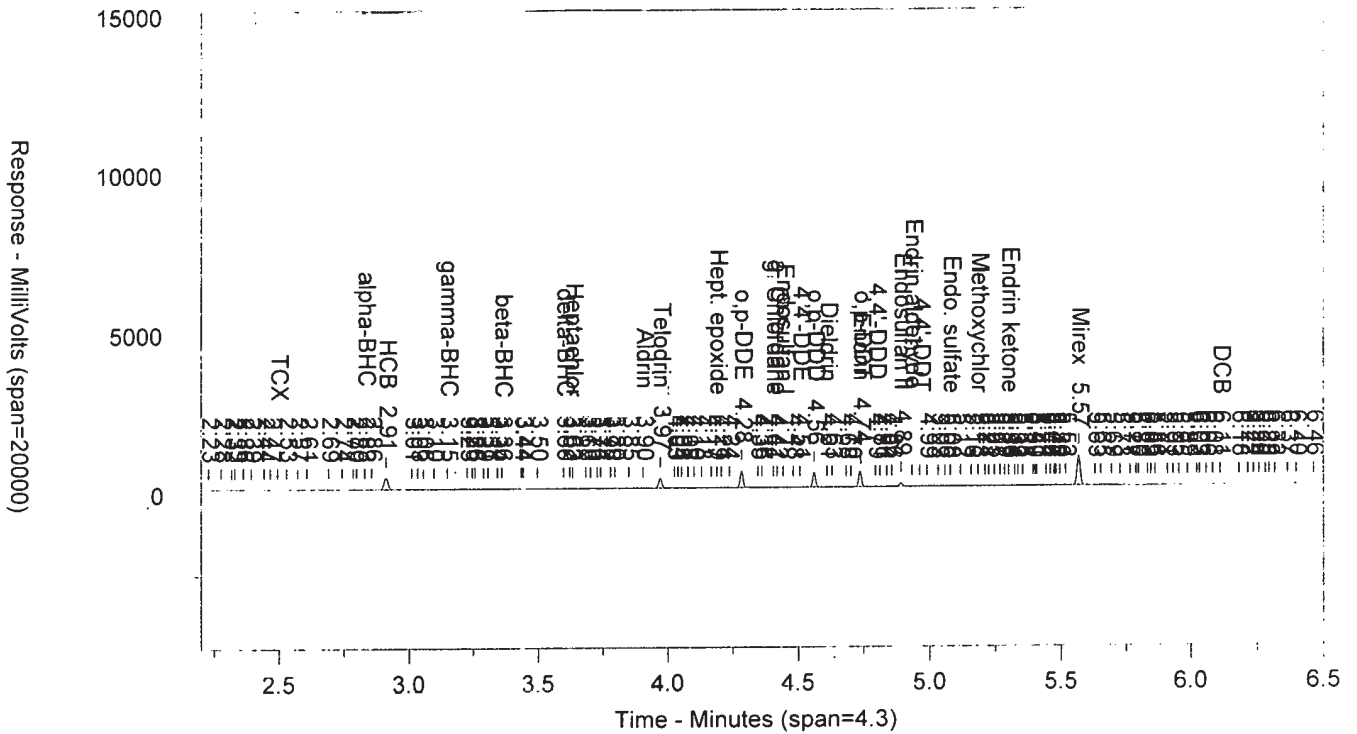
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SW-846 8081A

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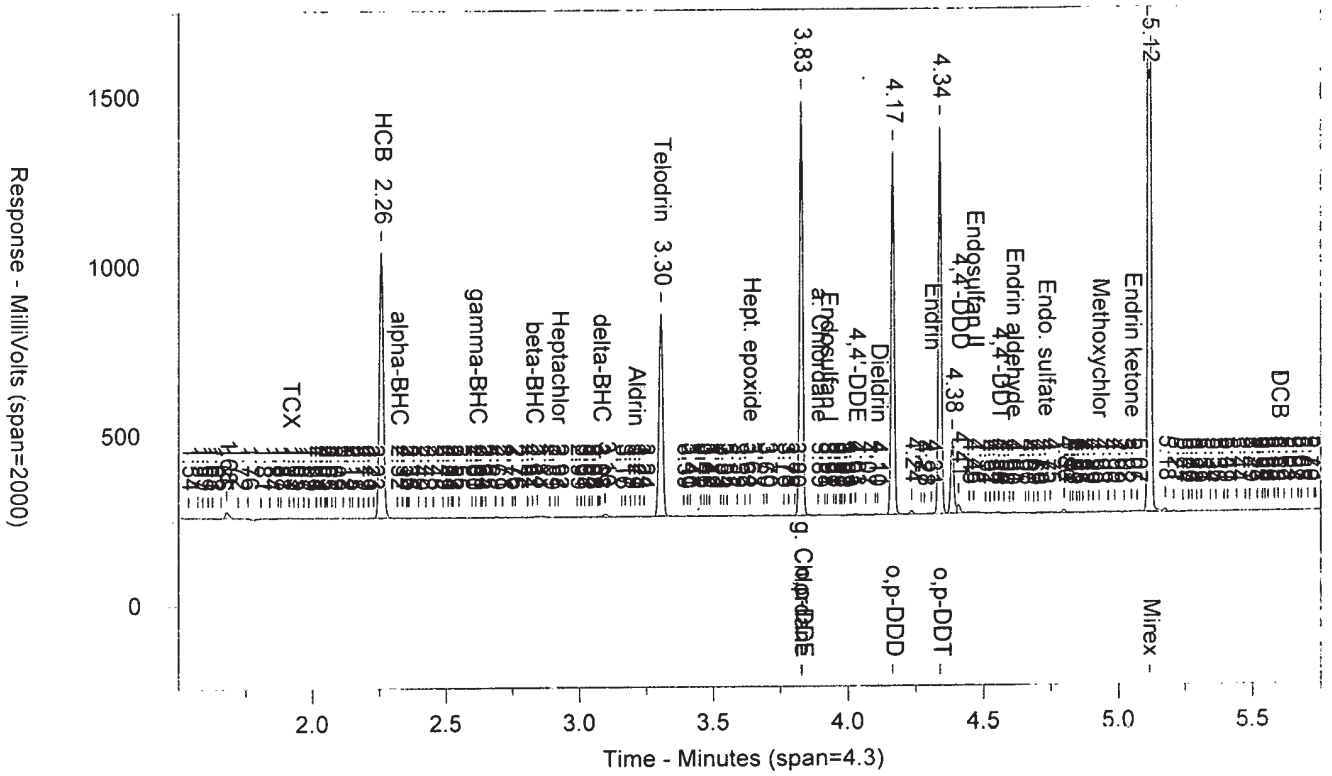
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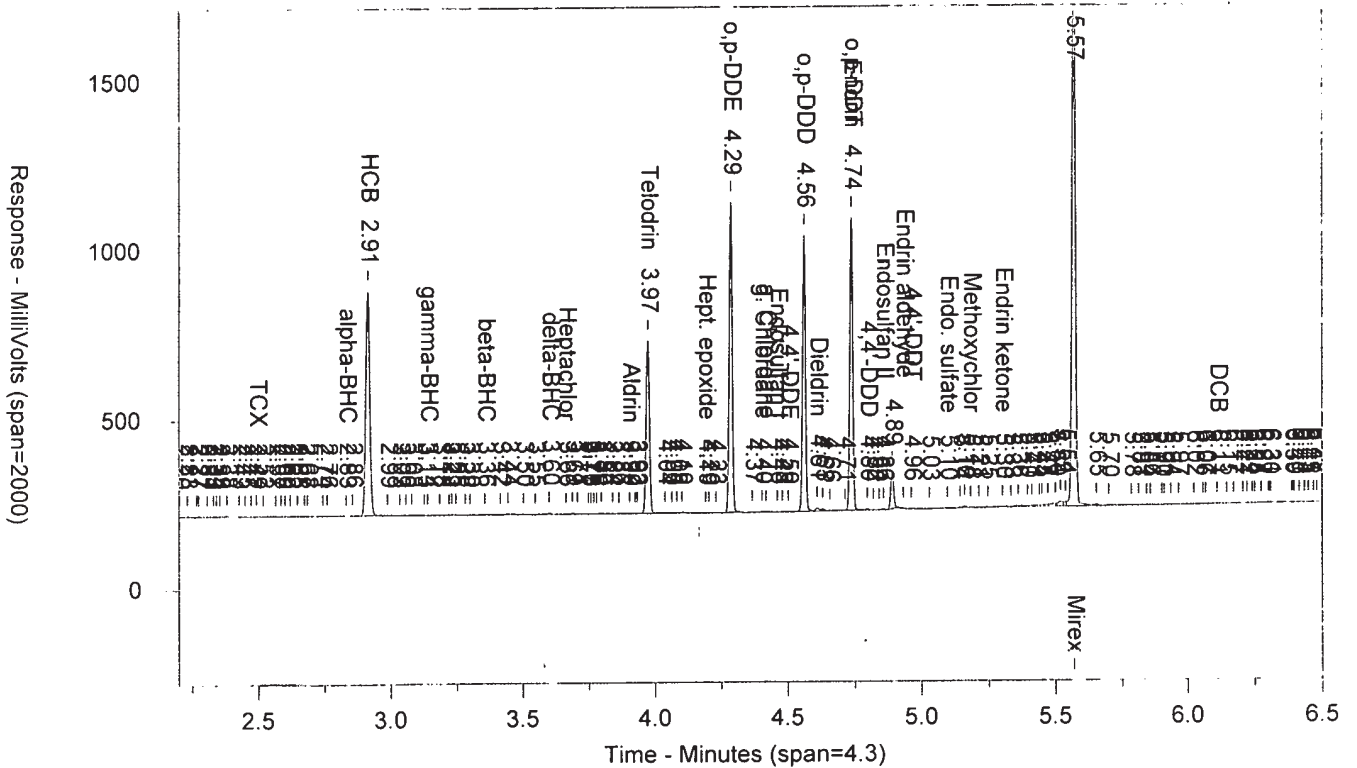
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: MIXE41824D AAMIXE4AA ICAL 182709999 00177 SW-846 8081A
 Injected On: 9/28/2018 6:31:29 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.912	1077	.008	TCX	2.492	535	.004	TCX
2.256	787050	19.119	HCB	2.913	660405	21.274	HCB
2.317	884	.004	alpha-BHC	2.831	314	.002	alpha-BHC
2.614	1015	.005	gamma-BHC	3.138	579	.004	gamma-BHC
2.824	1101	.012	beta-BHC	3.358	363	.004	beta-BHC
2.92	1303	.008	Heptachlor	3.663	455	.003	Heptachlor
3.076	1307	.007	delta-BHC	3.599	4227	.023	delta-BHC
3.207	855	.005	Aldrin	3.904	717	.004	Aldrin
3.304	599890	22.952	Telodrin	3.973	510440	22.418	Telodrin
3.637	2351	.012	Hept. epoxide	4.191	557	.004	Hept. epoxide
3.826	1225824	6.15	g. Chlordane	4.404	1505	.01	g. Chlordane
3.888	313	.002	a. Chlordane		0		a. Chlordane
3.922	828	.004	Endosulfan I	4.462	676	.005	Endosulfan I
4.027	3737	.019	4,4'-DDE	4.503	767	.005	4,4'-DDE
4.11	1679	.008	Dieldrin	4.61	9322	.061	Dieldrin
4.165	1073560	49.335	o,p-DDD	4.562	817569	49.722	o,p-DDD
	0		o,p-DDE	4.286	916650	49.114	o,p-DDE
4.308	3036	.017	Endrin	4.738	865293	6.828	Endrin
4.34	1142880	49.242	o,p-DDT		0		o,p-DDT
4.407	25260	.161	4,4'-DDD	4.797	4139	.034	4,4'-DDD
4.463	2655	.015	Endosulfan II	4.859	2449	.019	Endosulfan II
4.556	3802	.026	4,4'-DDT	4.962	838	.007	4,4'-DDT
4.61	785	.005	Endrin aldehyde		0		Endrin aldehyde
4.727	1902	.012	Endo. sulfate	5.097	704	.006	Endo. sulfate
4.927	1750	.026	Methoxychlor	5.183	803	.015	Methoxychlor
5.048	1386	.007	Endrin ketone	5.301	898	.007	Endrin ketone
5.116	3021195	127.797	Mirex	5.569	1621206	119.921	Mirex
5.593	1489	.011	DCB	6.11	879	-2.173	DCB

Files:

Area File: 35pest18271001.014.RAW
 Area File: 35pest18271001B.014.RAW
 Method A: 35PESTD.MET
 Method B: 35PESTD.B.MET
 Calibration File A: 35pest1827101.CAL
 Calibration File B: 35pest1827101b.CAL
 Format A: pestD35.FMTA
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 Area File Created On: 9/28/2018 6:38:50 PM
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MIXE41824D

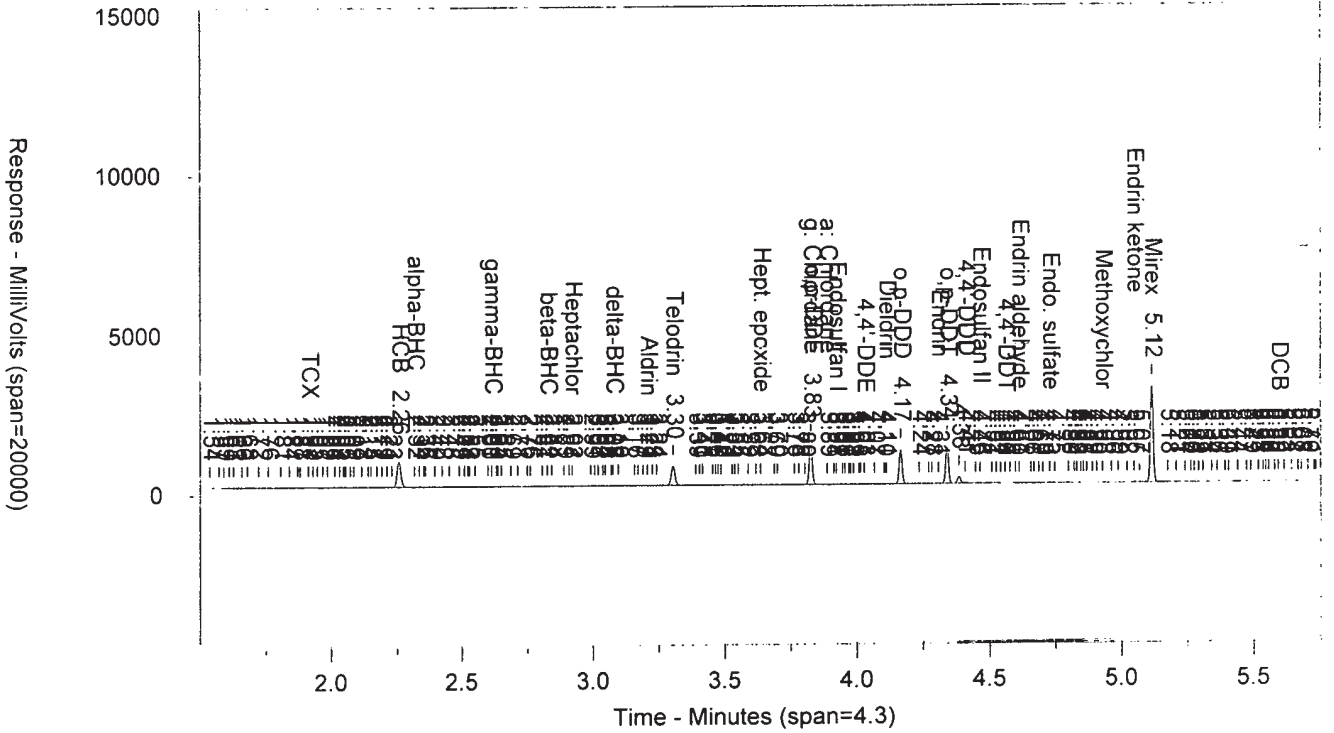
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ICAL 1827099999

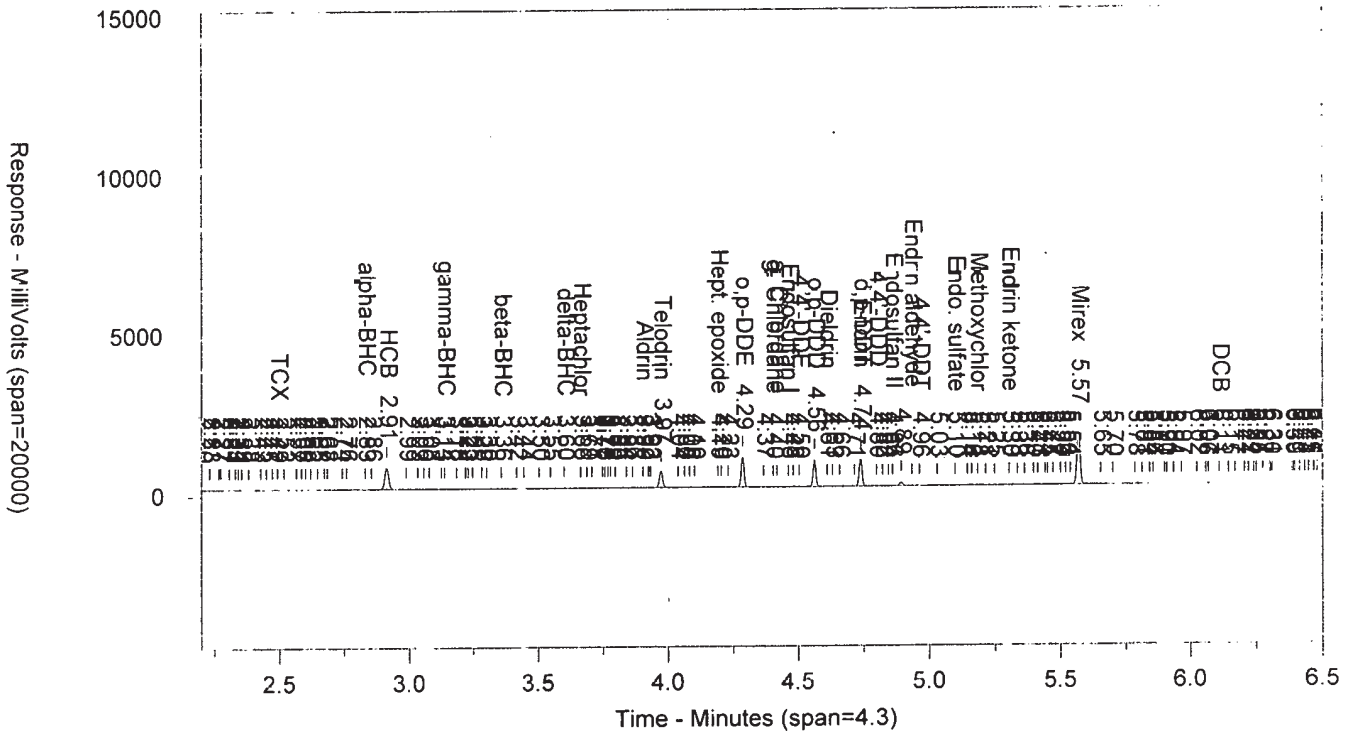
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SW-846 8081A

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MIXE51824D

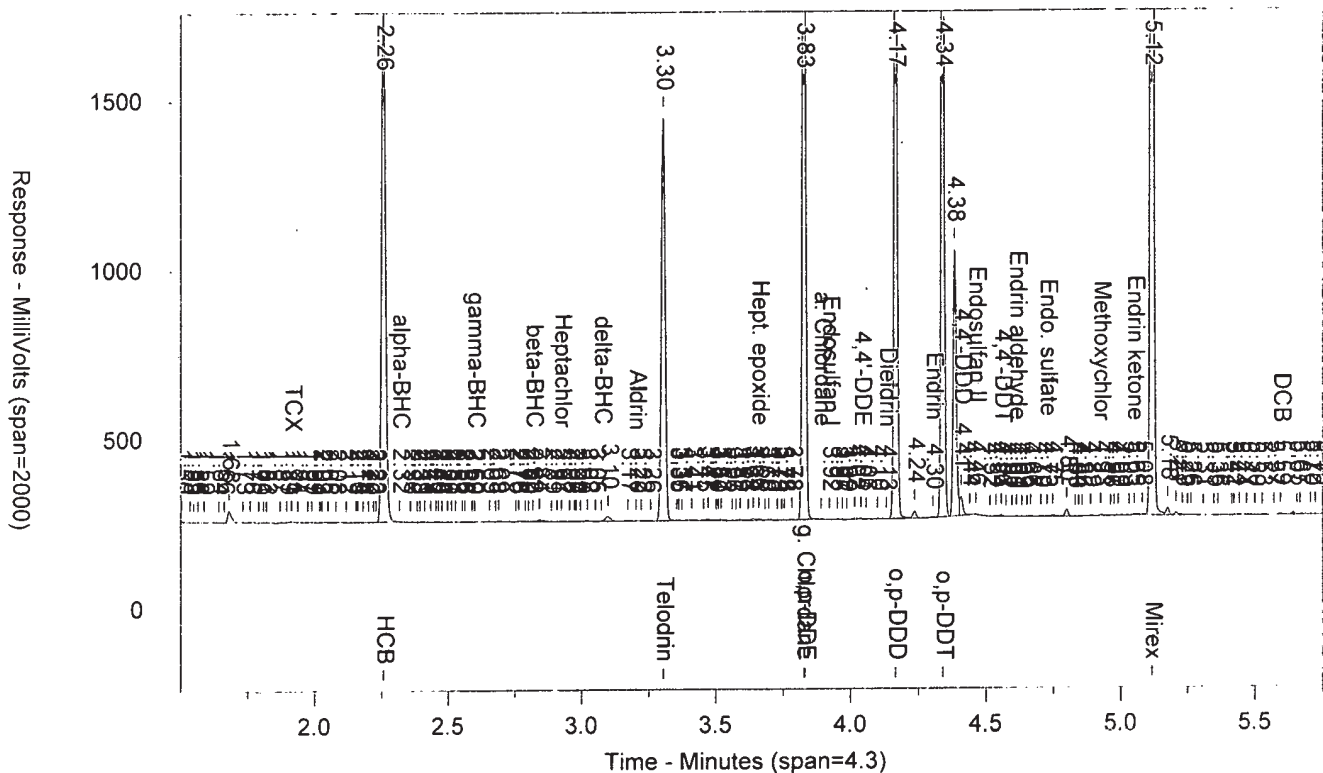
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ICAL 182709999

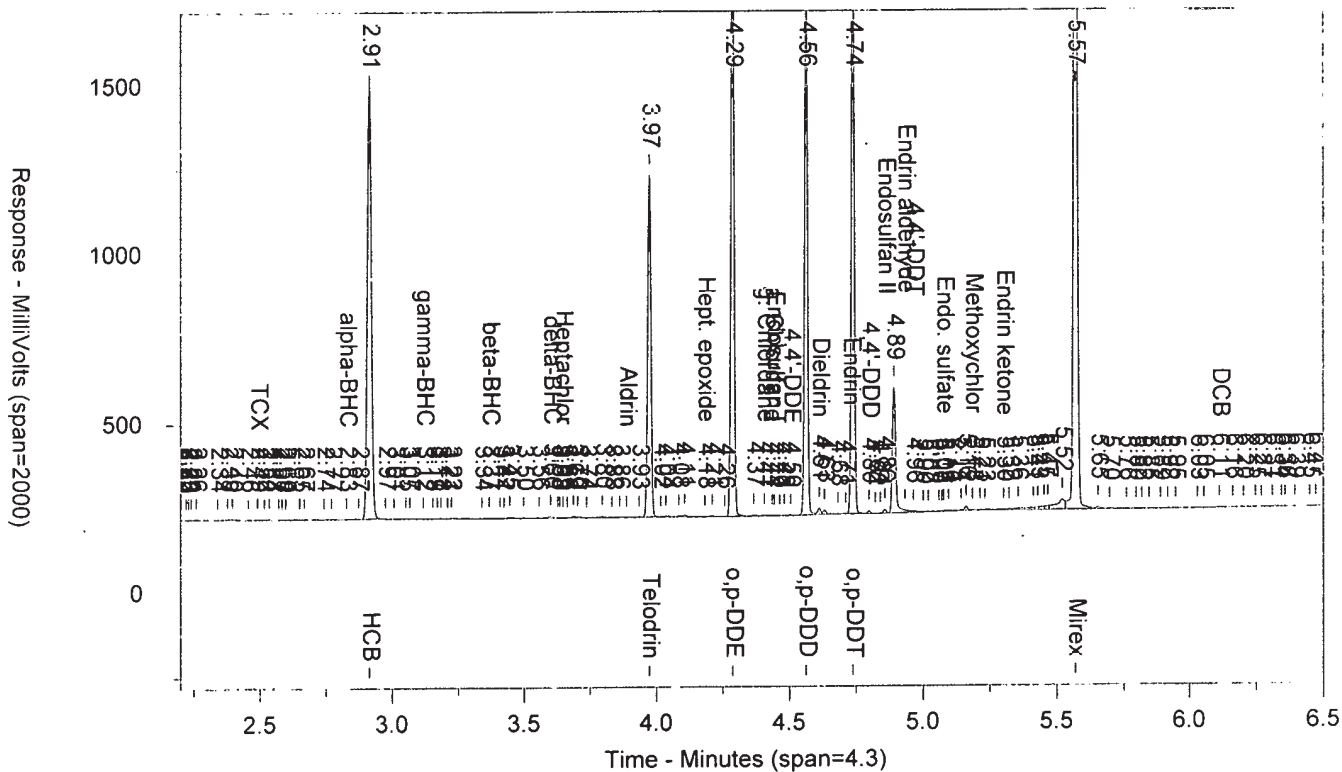
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: MIXE51824D AAMIXE5AA ICAL 182709999 00177 SW-846 8081A
 Injected On: 9/28/2018 6:41:58 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.912	1250	.009	TCX	2.49	1445	.012	TCX
2.257	1527617	37.11	HCB	2.914	1283048	41.332	HCB
2.316	624	.003	alpha-BHC	2.827	579	.003	alpha-BHC
2.599	700	.003	gamma-BHC	3.118	593	.004	gamma-BHC
2.817	1546	.017	beta-BHC	3.369	2451	.03	beta-BHC
2.924	1699	.01	Heptachlor	3.646	604	.004	Heptachlor
3.202	567	.003	Aldrin		0		Aldrin
3.304	1189145	45.497	Telodrin	3.973	1012308	44.459	Telodrin
	0		delta-BHC	3.6	5638	.03	delta-BHC
3.659	5097	.027	Hept. epoxide	4.182	1588	.01	Hept. epoxide
3.826	2425600	12.169	g. Chlordane	4.406	3623	.023	g. Chlordane
3.921	1648	.009	Endosulfan I		0		Endosulfan I
4.038	4145	.022	4,4'-DDE	4.504	1624	.011	4,4'-DDE
4.132	984	.005	Dieldrin	4.611	18901	.125	Dieldrin
4.166	2135307	98.127	o,p-DDD	4.562	1607577	97.767	o,p-DDD
	0		o,p-DDE	4.287	1805610	96.745	o,p-DDE
4.303	2182	.012	Endrin		0		Endrin
4.34	2286880	98.533	o,p-DDT	4.738	1770933	103.137	o,p-DDT
4.408	55995	.356	4,4'-DDD	4.799	7795	.064	4,4'-DDD
	0		a. Chlordane	4.435	1153	.008	a. Chlordane
4.463	2483	.014	Endosulfan II	4.858	11721	.09	Endosulfan II
4.557	4972	.035	4,4'-DDT	4.964	4360	.039	4,4'-DDT
4.613	1455	.01	Endrin aldehyde		0		Endrin aldehyde
4.726	2370	.015	Endo. sulfate	5.077	1691	.014	Endo. sulfate
4.925	4592	.069	Methoxychlor	5.185	2009	.039	Methoxychlor
5.05	3667	.02	Endrin ketone	5.301	1711	.013	Endrin ketone
5.116	6047458	255.809	Mirex	5.569	3294961	243.73	Mirex
5.593	3620	.028	DCB	6.112	722	-2.176	DCB

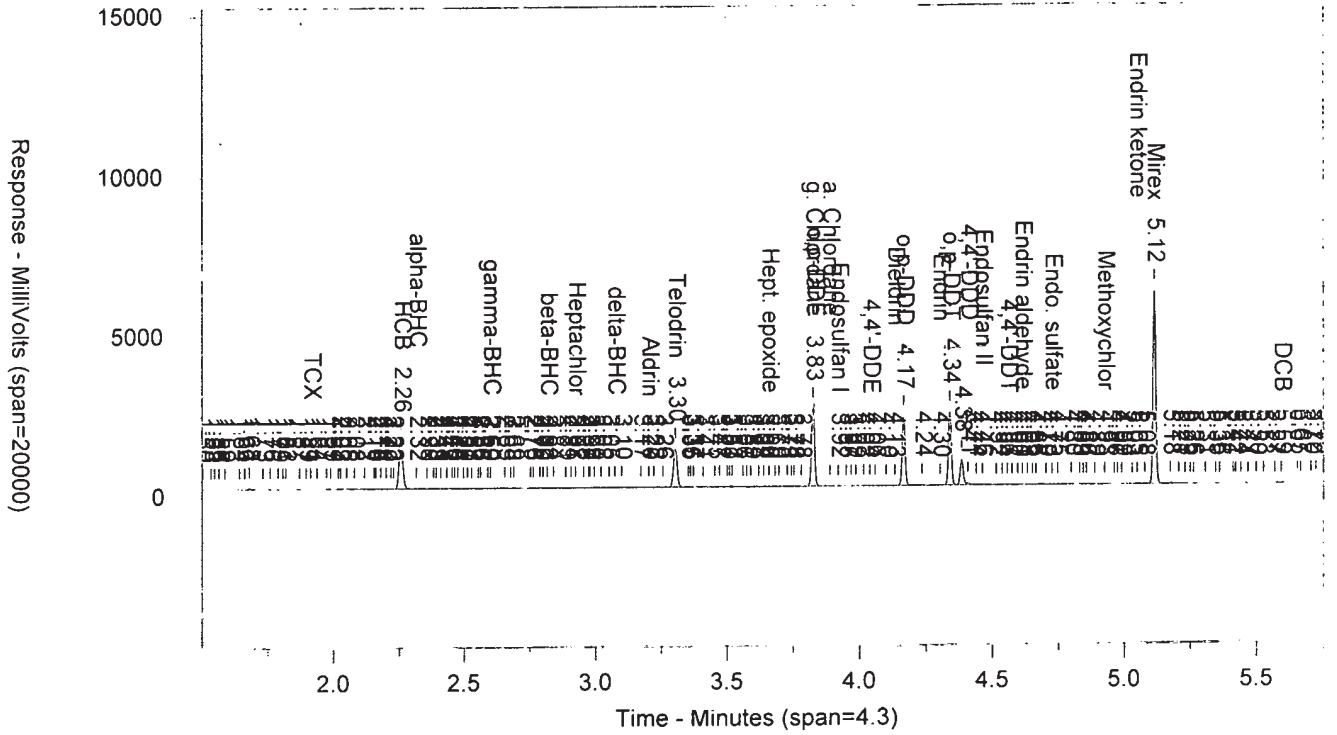
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 Method B: 35PESTDB.MET
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 Calibration File B: 35pest1827101b.CAL
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 Format B: pestD35.FMTA
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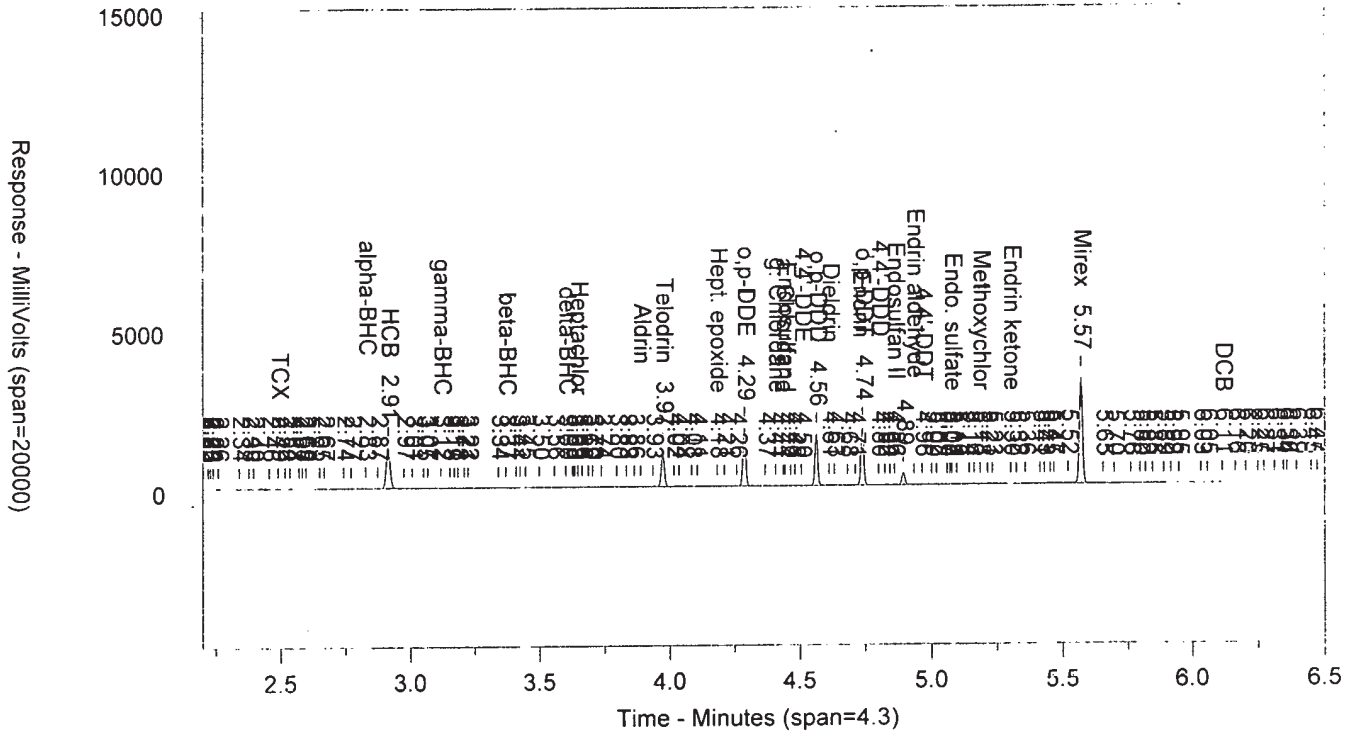
Chrom Perfect Chromatogram Report

MIXE51824D AAMIXE5AA ICAL 1827099999 00177 SW-846 8081A

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MIXE61824D

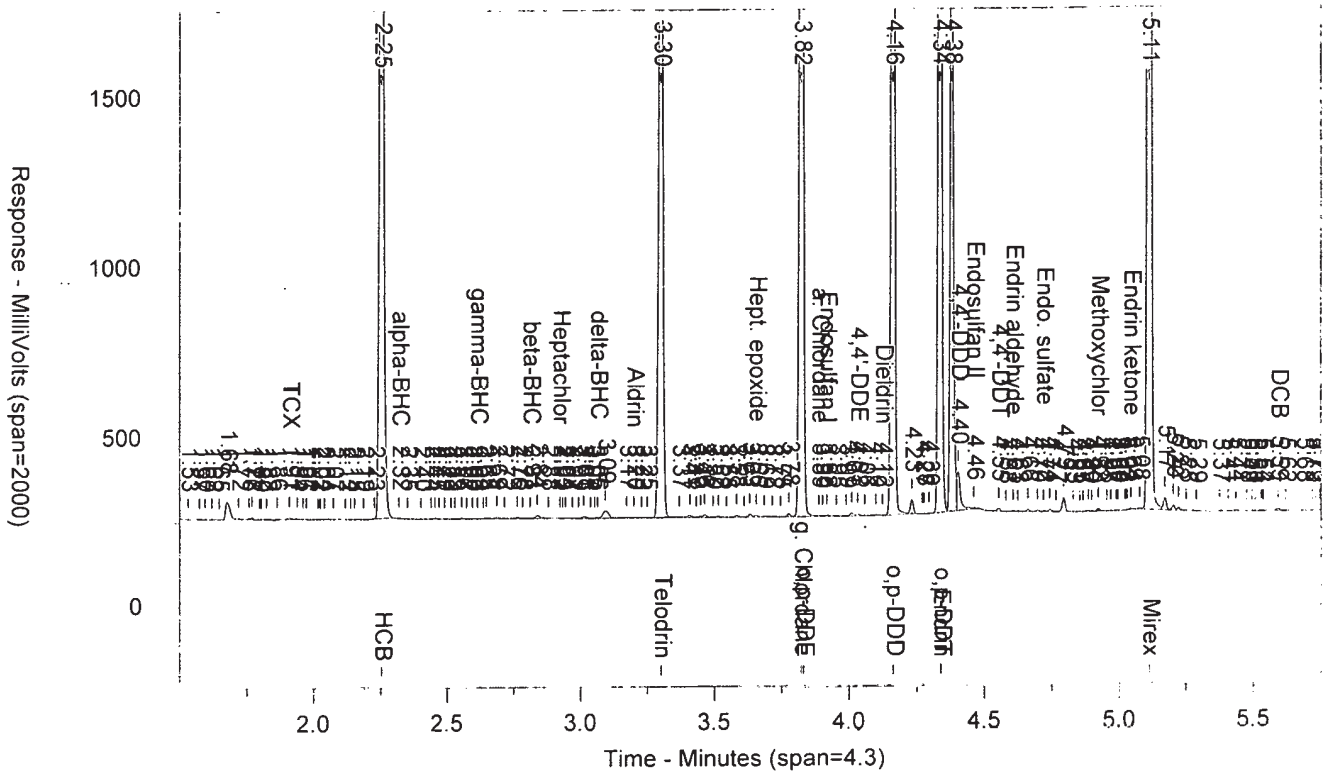
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ICAL 1827099999

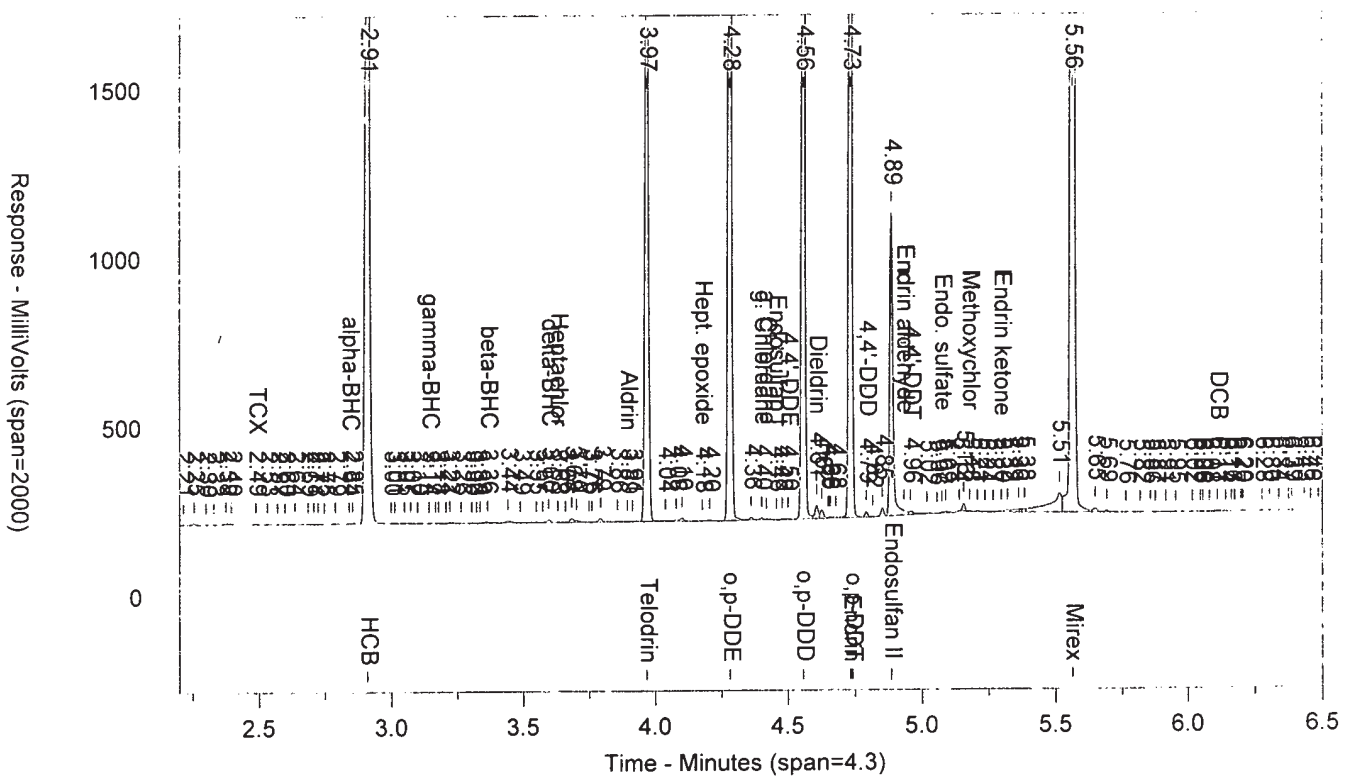
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: MIXE61824D AAMIXE6AA ICAL 182709999 00177 SW-846 8081A
 Injected On: 9/28/2018 6:52:27 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.91	5065	.037	TCX	2.487	2774	.022	TCX
2.253	3123485	75.877	HCB	2.908	2570511	82.807	HCB
2.319	1463	.007	alpha-BHC	2.84	429	.002	alpha-BHC
2.616	976	.005	gamma-BHC	3.141	513	.003	gamma-BHC
2.812	739	.008	beta-BHC	3.365	3614	.044	beta-BHC
2.924	1026	.006	Heptachlor	3.63	852	.005	Heptachlor
3.064	1197	.006	delta-BHC	3.596	6961	.038	delta-BHC
3.2	937	.005	Aldrin	3.894	674	.004	Aldrin
3.301	2418982	92.55	Telodrin	3.968	2042455	89.702	Telodrin
3.657	5351	.028	Hept. epoxide	4.176	1246	.008	Hept. epoxide
3.823	4711382	23.636	g. Chlordane	4.401	5253	.034	g. Chlordane
3.887	2182	.011	a. Chlordane		0		a. Chlordane
3.916	2953	.016	Endosulfan I	4.457	690	.005	Endosulfan I
4.032	6049	.031	4,4'-DDE	4.5	2951	.02	4,4'-DDE
4.125	754	.004	Dieldrin	4.605	39093	.258	Dieldrin
4.163	4276241	196.514	o,p-DDD	4.557	3147214	191.403	o,p-DDD
	0		o,p-DDE	4.281	3542526	189.809	o,p-DDE
4.336	4636009	25.744	Endrin / o,p-DDT	4.733	3430897	27.072	Endrin / o,p-DDT
4.404	114872	.731	4,4'-DDD	4.792	16364	.134	4,4'-DDD
4.462	3570	.02	Endosulfan II	4.886	899563	6.899	Endosulfan II
4.554	7589	.053	4,4'-DDT	4.957	9866	.088	4,4'-DDT
4.607	2020	.014	Endrin aldehyde		0		Endrin aldehyde
4.72	3220	.02	Endo. sulfate	5.074	3012	.025	Endo. sulfate
4.923	7667	.114	Methoxychlor	5.178	4152	.08	Methoxychlor
5.044	1309	.007	Endrin ketone	5.297	3958	.03	Endrin ketone
5.113	12157230	514.254	Mirex	5.564	6294704	465.622	Mirex
5.591	8514	.05	DCB	6.109	3161	-2.129	DCB

Ⓢ co-eluder
 OJS 15222
 10/3/18

Ⓢ co-eluder
 OJS 15222
 10/3/18

W 2306
 10/3/18

Files:
 Area File: 35pest18271001.016.RAW
 Area File: 35pest18271001B.016.RAW
 Method A: 35PESTD.MET
 Method B: 35PESTD.MET
 Calibration File A: 35pest1827101.CAL
 Calibration File B: 35pest1827101b.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
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MIXE61824D

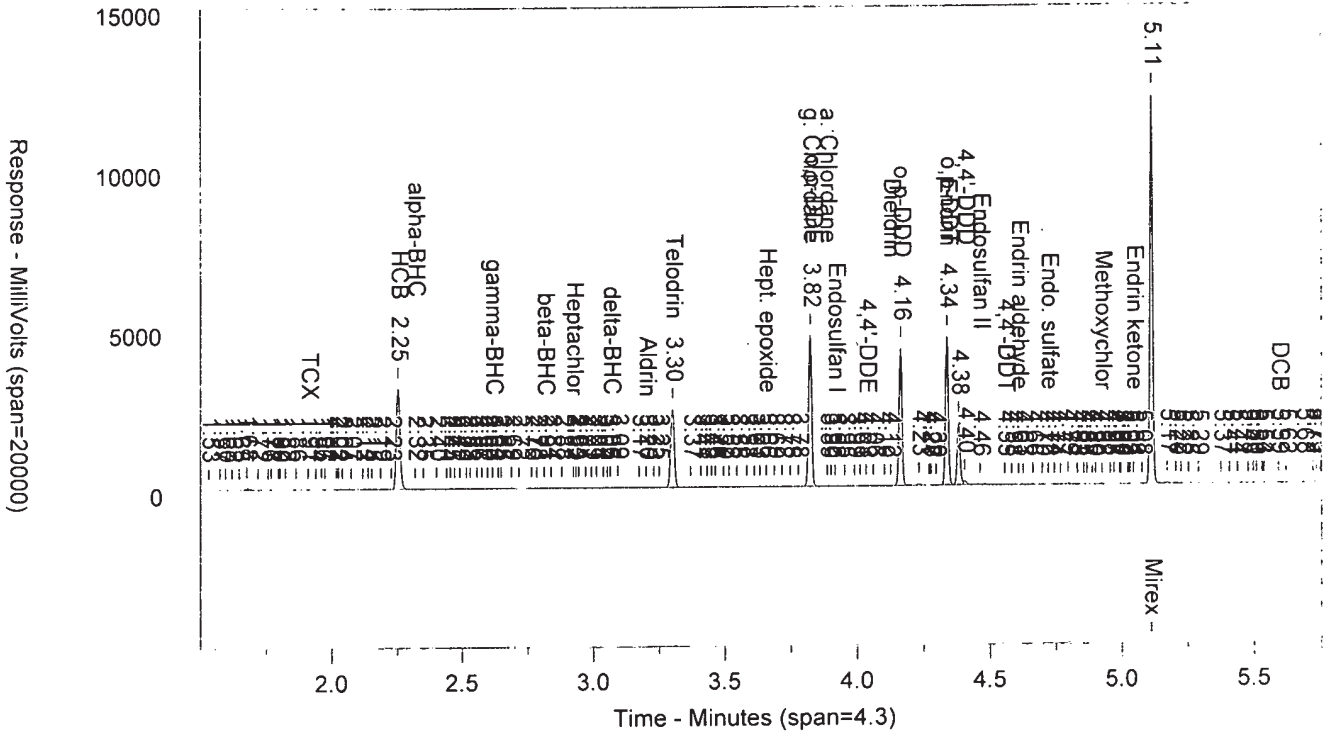
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ICAL 1827099999

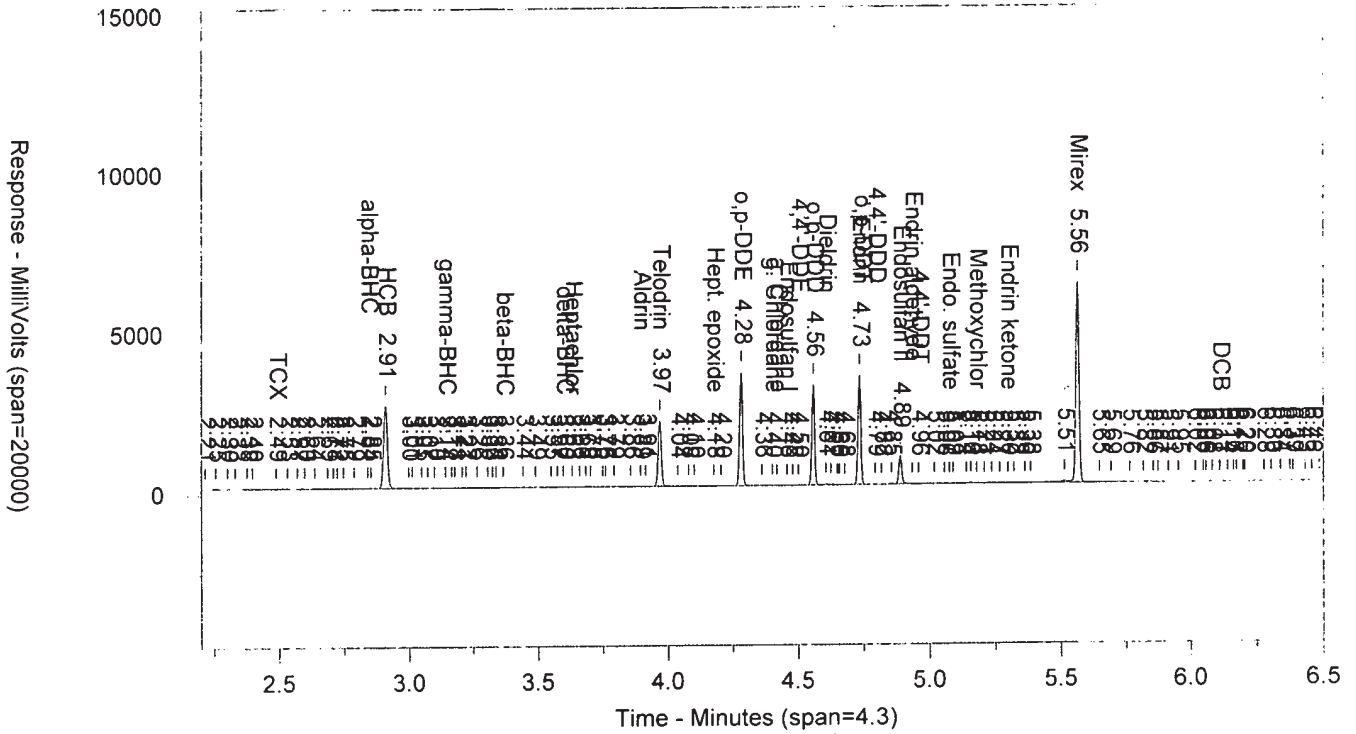
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SW-846 8081A

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ICMEX1824C

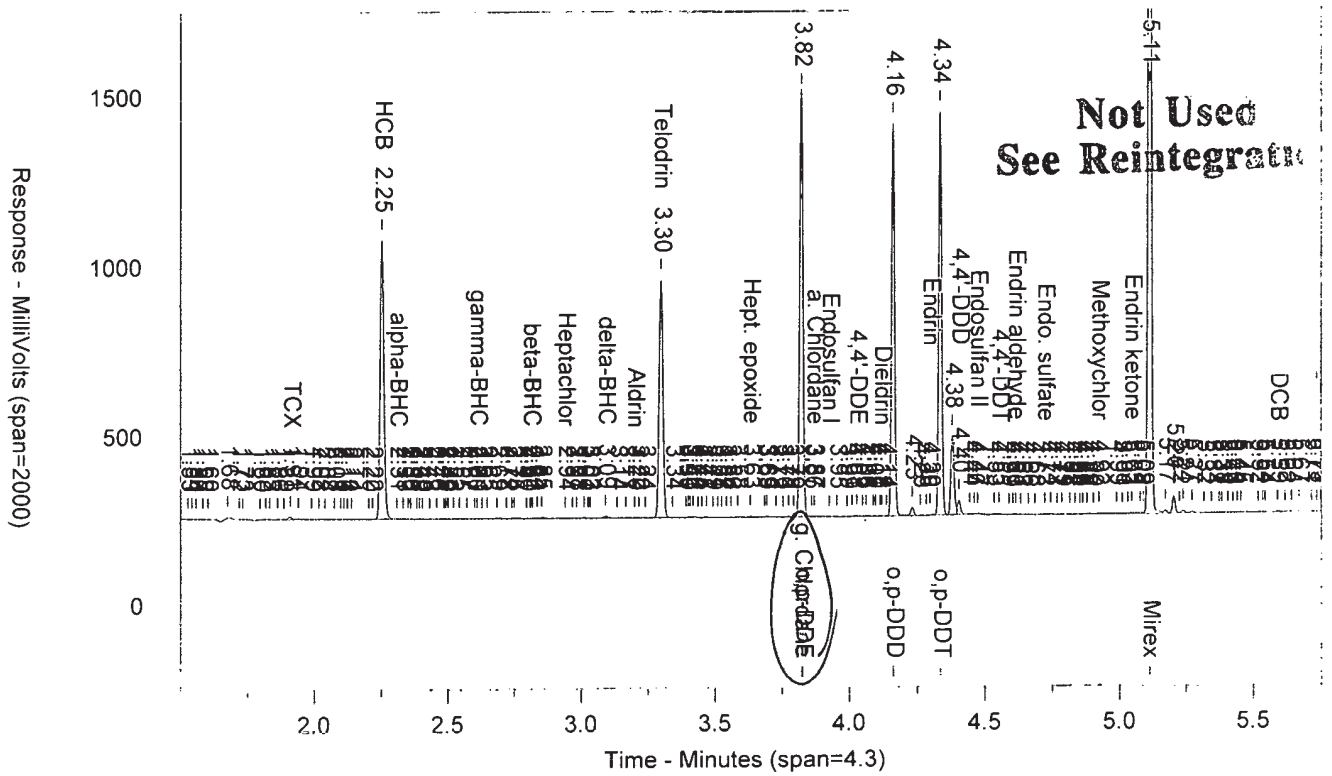
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CCAL 1827099999

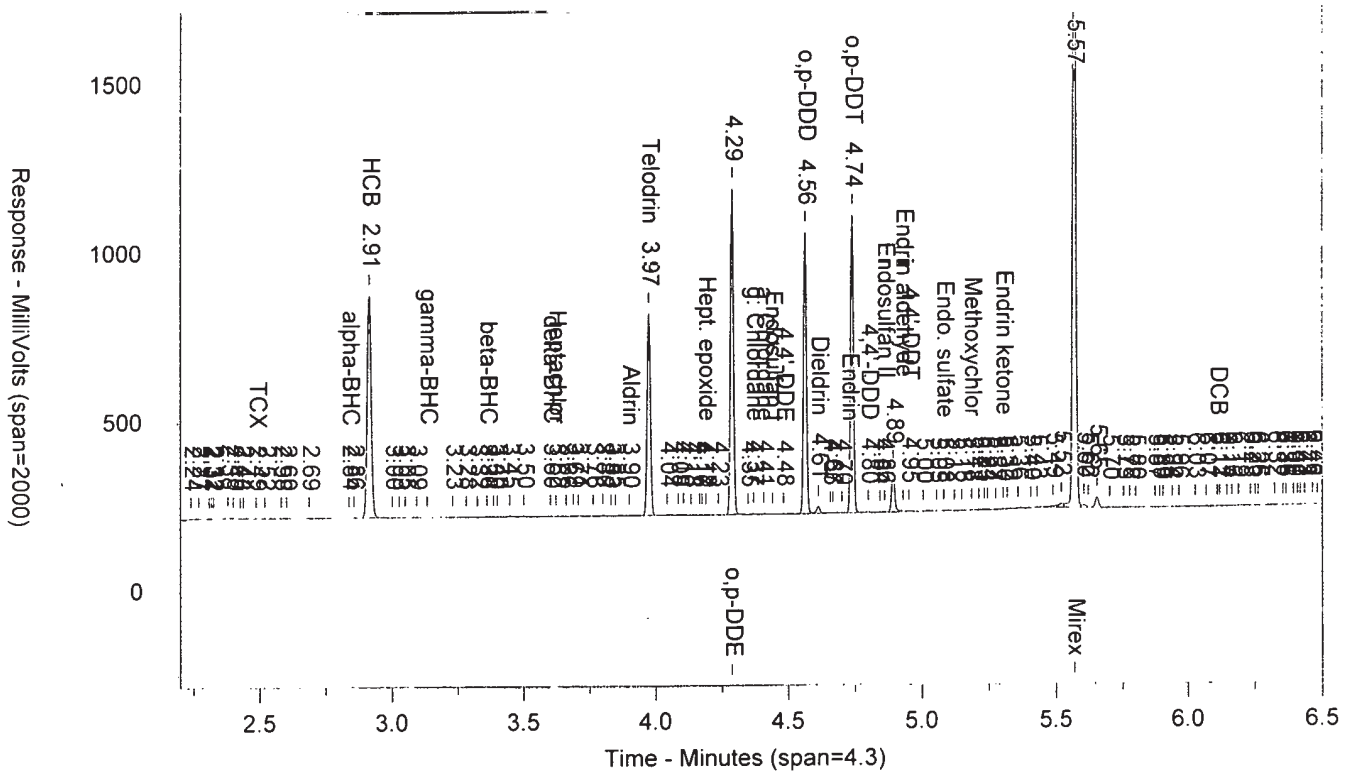
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: ICMEX1824C AAICMEXAA CCAL 1827099999 00177 SW-846 8081A
 Injected On: 9/28/2018 7:02:53 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

**Not Used
See Reintegration**

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.911	6358	.049	TCX	2.486	418	.003	TCX
2.253	824526	4.867	HCB	2.914	656372	4.646	HCB
2.308	714	.003	alpha-BHC	2.838	626	.004	alpha-BHC
2.611	657	.003	gamma-BHC		0		gamma-BHC
2.812	564	.006	beta-BHC	3.361	585	-.42	beta-BHC
2.941	860	.005	Heptachlor	3.621	470	.003	Heptachlor
3.092	5616	.028	delta-BHC	3.601	2114	.011	delta-BHC
3.201	885	.005	Aldrin	3.899	556	.003	Aldrin
3.3	702335	5.342	lêlôðrîñ	3.974	596764	5.245	lêlôðrîñ
3.632	3055	.016	Hept. epoxide	4.188	405	-.415	Hept. epoxide
3.823	1263575	6.262	g. Chlordane	4.368	1579	.01	g. Chlordane
3.869	589	.003	a. Chlordane	4.407	2047	-.511	a. Chlordane
4.027	3202	.016	4,4'-DDE	4.481	630	.004	4,4'-DDE
4.119	1106	.005	Dieldrin	4.612	20303	-.244	Dieldrin
4.162	1160062	9.855	o,p-DDD	4.563	834738	9.459	o,p-DDD
	0		o,p-DDE	4.287	966370	9.681	o,p-DDE
4.298	2425	.013	Endrin		0		Endrin
4.337	1191451	9.445	o,p-DDT	4.739	882107	9.122	o,p-DDT
4.405	42495	.261	4,4'-DDD	4.799	3726	.03	4,4'-DDD
4.473	493	.003	Endosulfan II	4.86	2086	.016	Endosulfan II
4.552	3350	.022	4,4'-DDT	4.95	2542	.022	4,4'-DDT
4.613	1500	.01	Endrin aldehyde		0		Endrin aldehyde
4.721	1328	.008	Endo. sulfate	5.081	978	.008	Endo. sulfate
4.923	3433	.048	Methoxychlor	5.185	1455	.027	Methoxychlor
5.045	3824	.02	Endrin ketone	5.302	615	.004	Endrin ketone
5.113	3254860	24.965	Mirex	5.569	1820195	24.531	Mirex
5.589	1978	-1.187	DCB	6.109	489	-2.395	DCB

Files:

Area File: 35pest18271001.017.RAW
 Area File: 35pest18271001B.017.RAW
 Method A: 35PESTD.MET
 Method B: 35PESTDDB.MET
 Calibration File A: 35pest1827101.CAL
 Calibration File B: 35pest1827101b.CAL
 Format A: pestD35.FMTA
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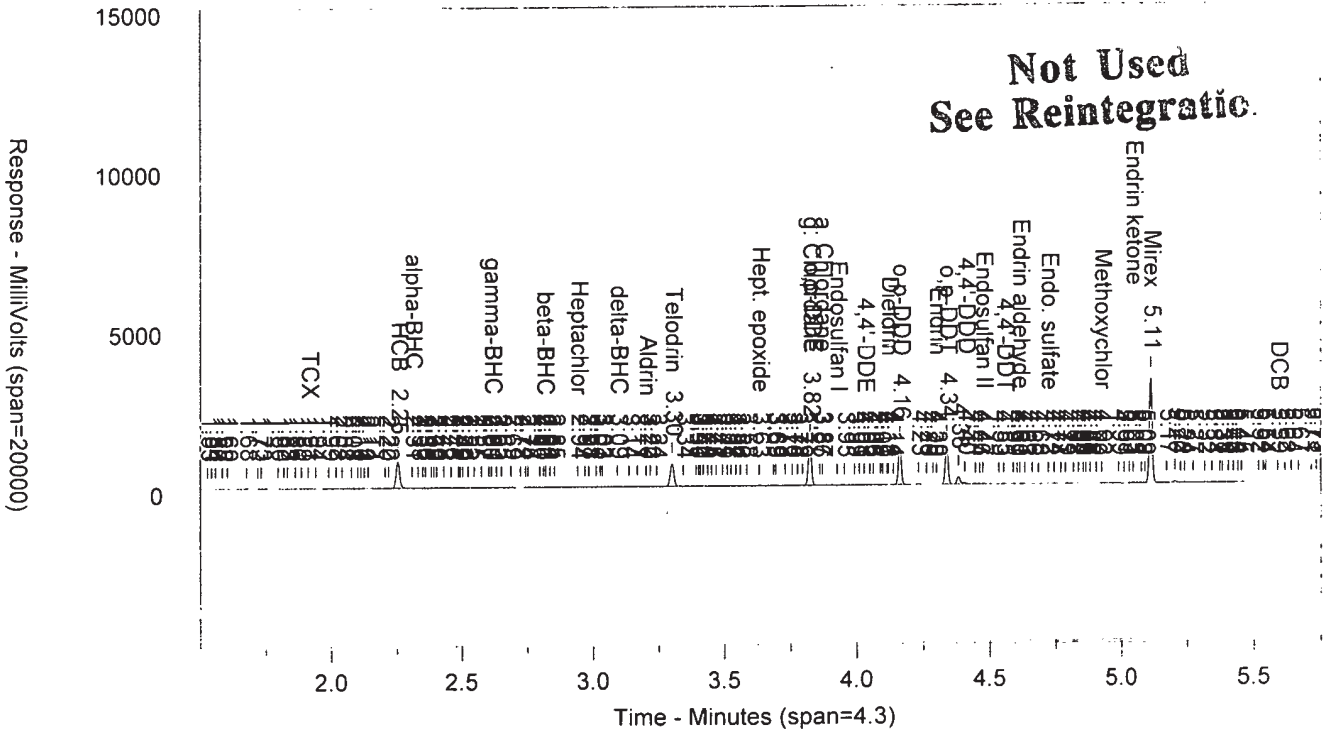
AAICMEXAA

CCAL 1827099999

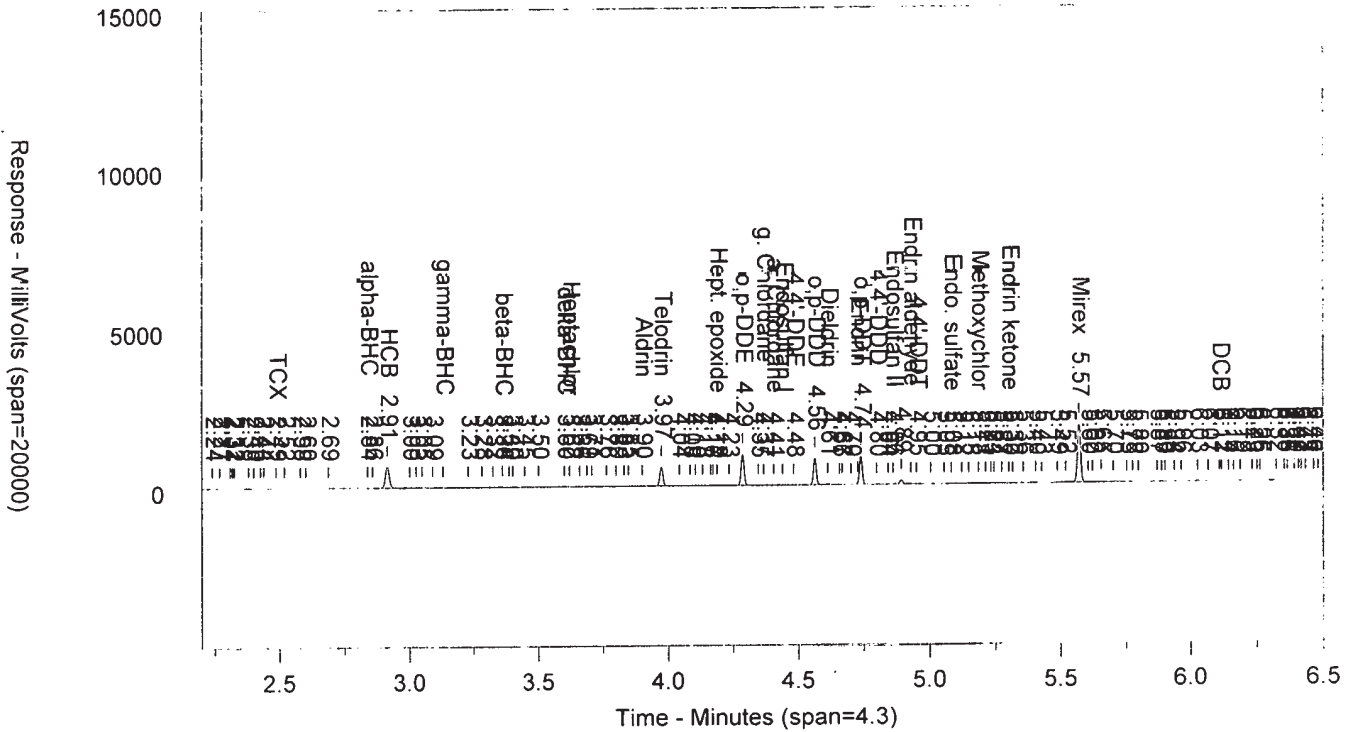
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SW-846 8081A

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.017.RAW



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ICMEX1824C

AAICMEXAA

CCAL 1827099999

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SW-846 8081A

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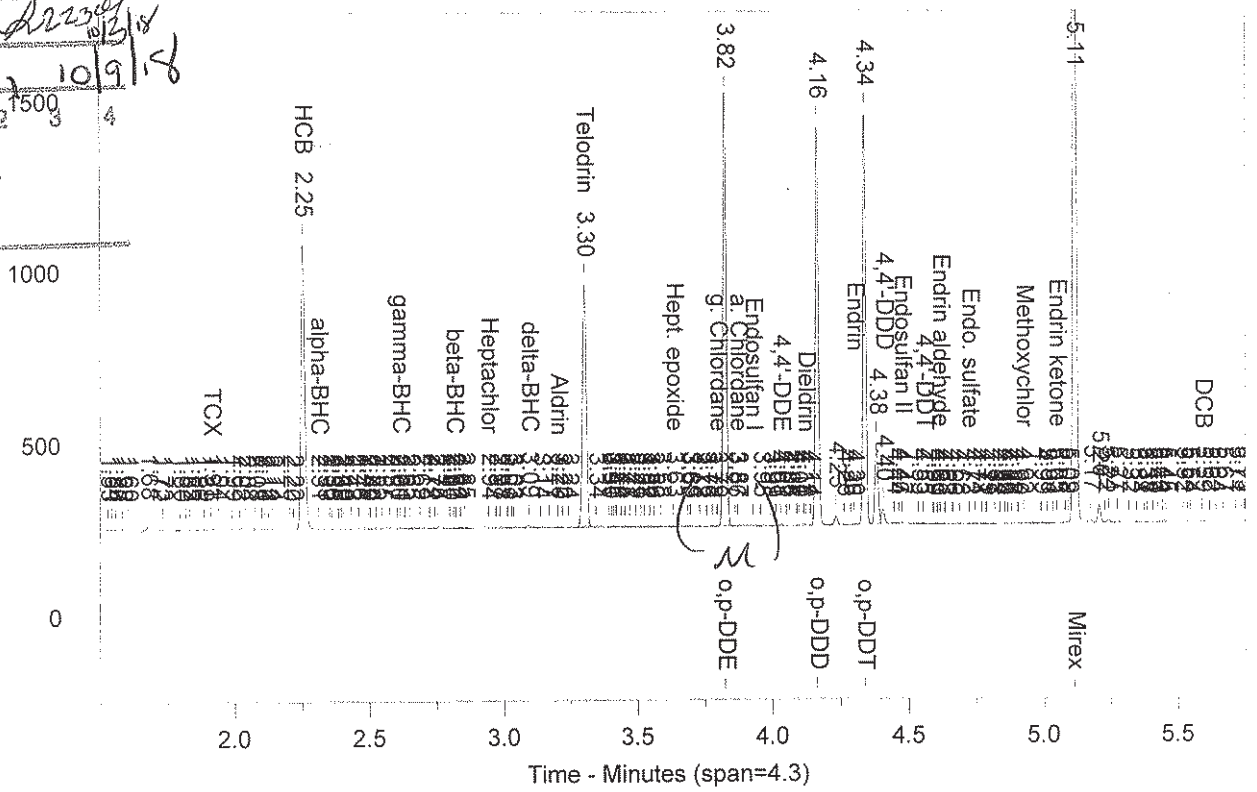
M = Manually Integrated

Analyst *DSS 15222* *10/3/18*

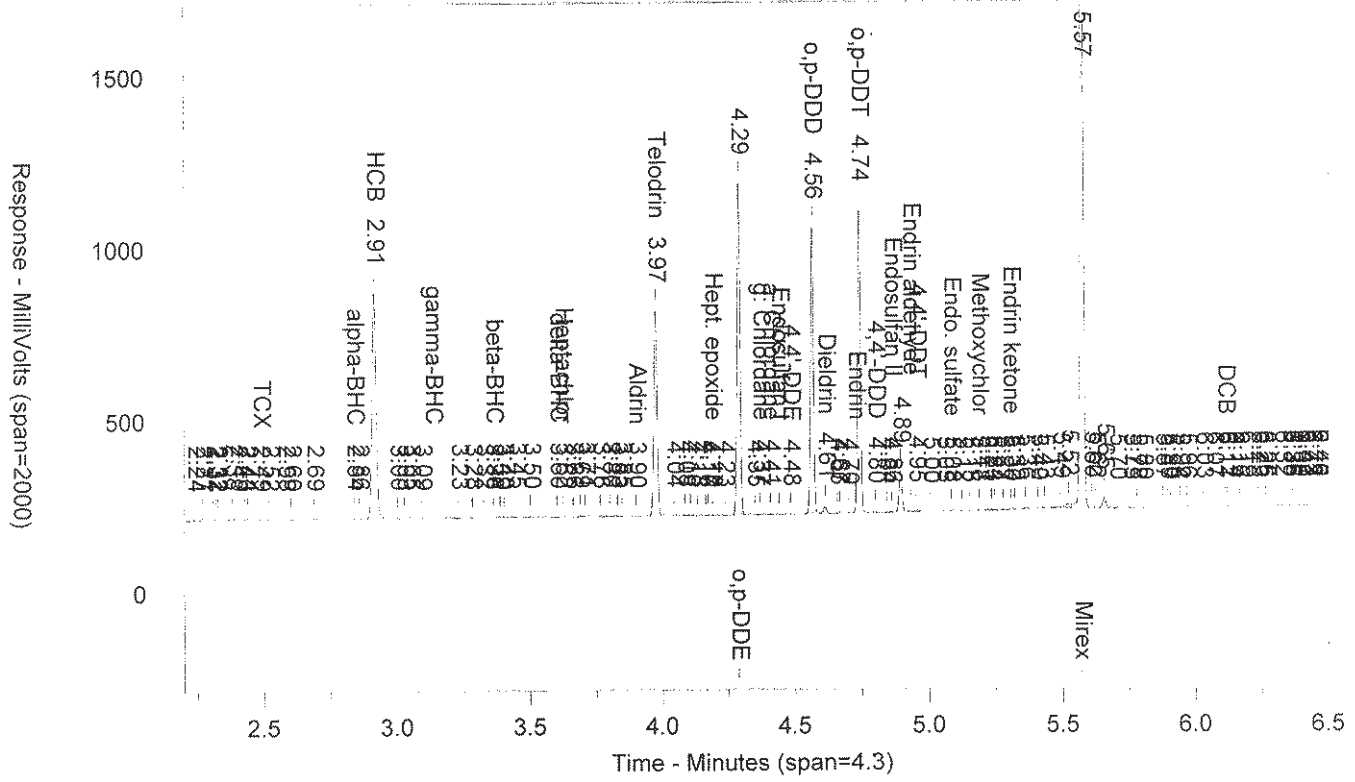
Approved by *10/9/18*

- Circle Reason
- 1 = Missed Peak
- 2 = Improper Baseline
- 3 = RT Update
- 4 = Other

Response - Millivolts (span=2000)



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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: ICMEX1824C AAICMEXAA CCAL 1827099999 00177 SW-846 8081A
 Injected On: 9/28/2018 7:02:53 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.911	6358	.049	TCX	2.486	418	.003	TCX
2.253	824526	4.867	HCB	2.914	656372	4.646	HCB
2.308	714	.003	alpha-BHC	2.838	626	.004	alpha-BHC
2.611	657	.003	gamma-BHC		0		gamma-BHC
2.812	564	.006	beta-BHC	3.361	585	-.42	beta-BHC
2.941	860	.005	Heptachlor	3.621	470	.003	Heptachlor
3.092	5616	.028	delta-BHC	3.601	2114	.011	delta-BHC
3.201	885	.005	Aldrin	3.899	556	.003	Aldrin
3.3	702035	5.342	Telodrin	3.974	590704	5.245	Telodrin
3.632	3055	.016	Hept. epoxide	4.188	405	-.415	Hept. epoxide
3.794	1323	.007	g. Chlordane	4.368	1579	.01	g. Chlordane
3.823	1263575	9.672	o,p-DDE	4.287	966370	9.681	o,p-DDE
3.869	589	.003	a. Chlordane	4.407	2047	-.511	a. Chlordane
4.027	3202	.016	4,4'-DDE	4.481	630	.004	4,4'-DDE
4.119	1106	.005	Dieldrin	4.612	20303	-.91	Dieldrin
4.162	1160062	9.855	o,p-DDD	4.563	834738	9.459	o,p-DDD
4.298	2425	.013	Endrin		0		Endrin
4.337	1191451	9.445	o,p-DDT	4.739	882107	9.122	o,p-DDT
4.405	42495	.261	4,4'-DDD	4.799	3726	.03	4,4'-DDD
4.473	493	.003	Endosulfan II	4.86	2086	.016	Endosulfan II
4.552	3350	.022	4,4'-DDT	4.95	2542	.022	4,4'-DDT
4.613	1500	.01	Endrin aldehyde		0		Endrin aldehyde
4.721	1328	.008	Endo. sulfate	5.081	978	.008	Endo. sulfate
4.923	3433	.048	Methoxychlor	5.185	1455	.027	Methoxychlor
5.045	3824	.02	Endrin ketone	5.302	615	-.693	Endrin ketone
5.113	3254860	24.965	Mirex	5.569	1820195	24.531	Mirex
5.589	1978	-1.187	DCB	6.109	489	-2.395	DCB

Files:

Area File: 35pest18271001.017.BND
 Area File: 35pest18271001B.017.BND
 Method A: 35PESTD.MET
 Method B: 35PESTD.B.MET
 Calibration File A: 35pest1827101.CAL
 Calibration File B: 35pest1827101b.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 10/3/2018 7:00:53 PM
 File Reported On: 10/3/2018 at 7:01:24 PM

ICMEX1824C

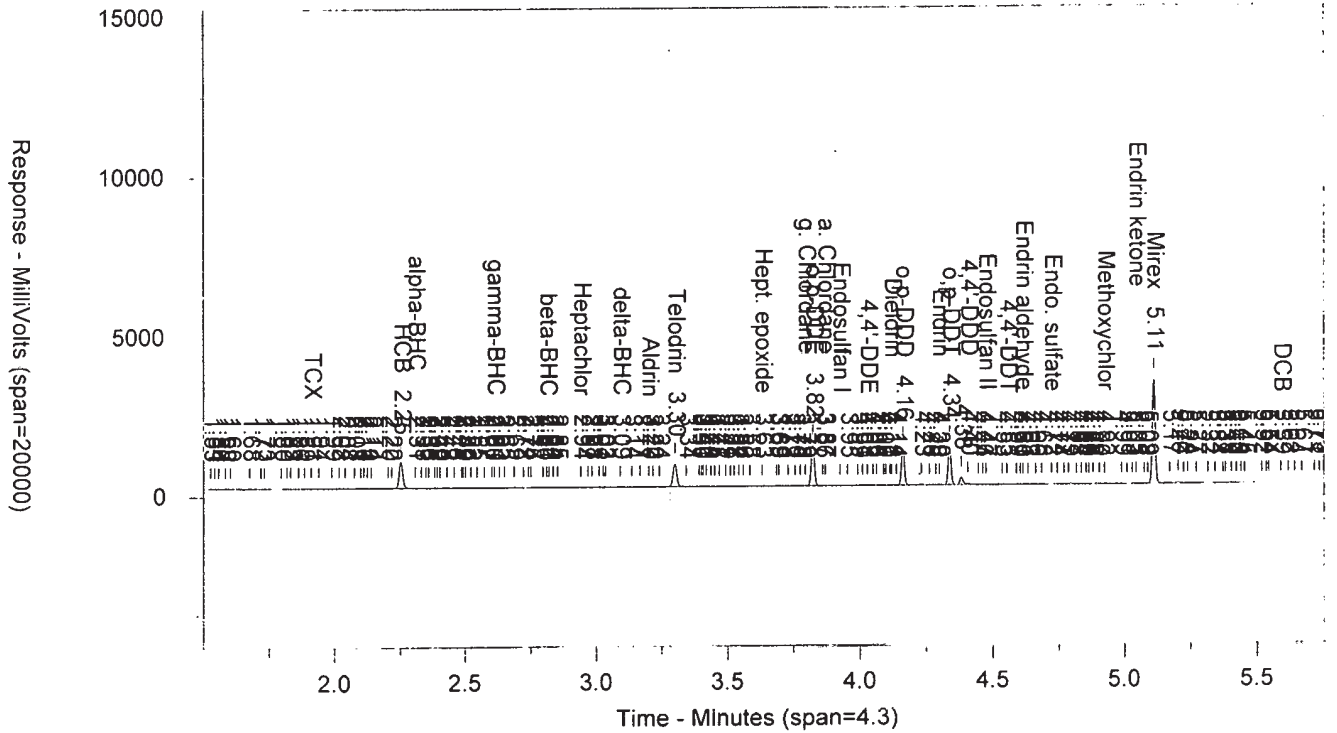
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CCAL 1827099999

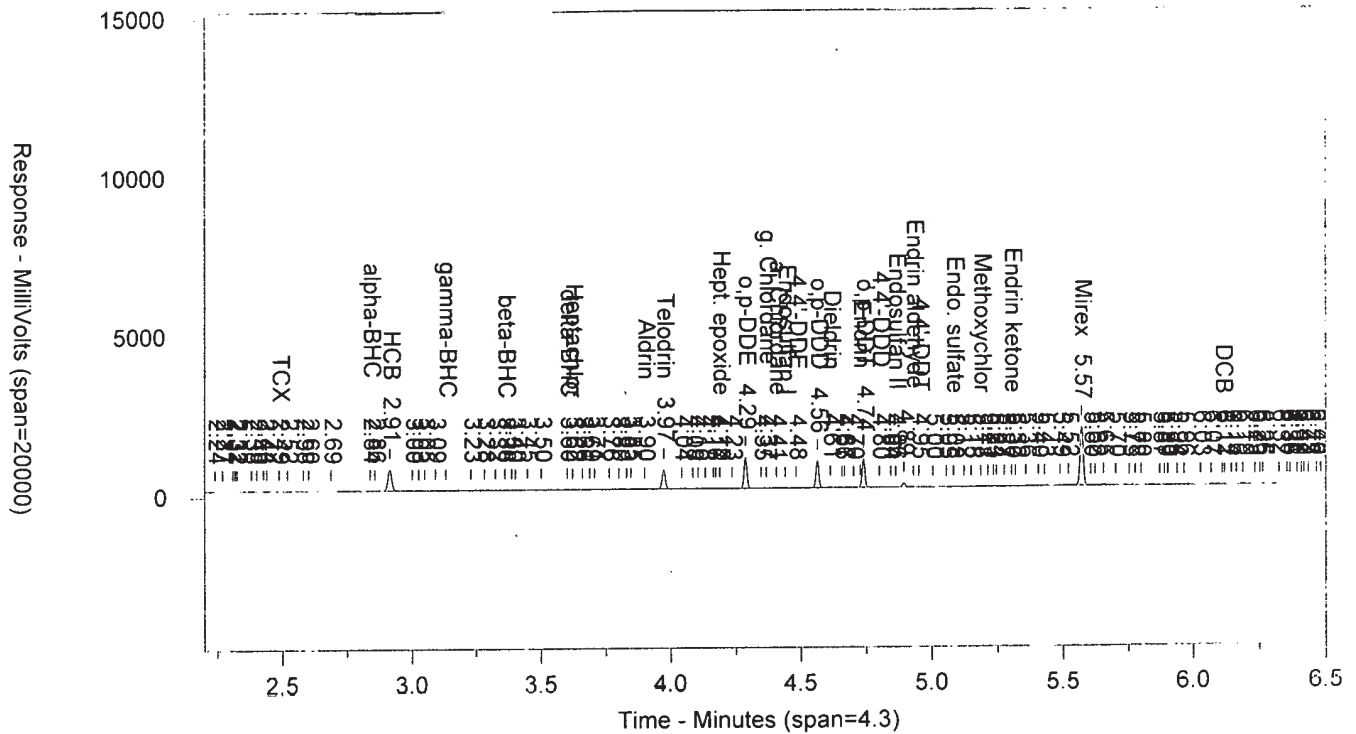
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: TOXA11824D AATOXA1AA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
Injected On: 9/28/2018 7:13:18 PM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Date File: 35pest18271001.018.RAW
Method File: 35PESTDI.MET
Calibration File: 35pest1827101.CAL

RT A	Compound A	Height A	Area A
.039		760	382
.063		725	569
.085		528	155
1.547		990	195
1.571		2195	1663
1.604		765	153
1.612		832	236
1.629		705	218
1.666		3188	3238
1.698		726	568
1.726		992	252
1.745		752	186
1.759		4148	3217
1.801		2800	5125
1.824		602	213
1.878		1786	2086
1.898	TCX	790	217
1.934		789	154
1.945		936	204
1.952		1299	556
1.984		807	322
2.014		512	130
2.046		784	206
2.072		774	249
2.094		839	319
2.1		484	105
2.141		726	222
2.16		599	262
2.215		655	237
2.262	HCB	1002	717
2.288		933	458
2.297		1069	204
2.318	alpha-BHC	1138	557
2.374		927	277
2.383		665	226
2.393		1298	669
2.415		790	157
2.421		1194	224
2.431		669	137
2.444		799	285
2.459		526	130
2.488		1066	871
2.51		733	204
2.555		471	227
2.568		709	229
2.582		692	213
2.63	gamma-BHC	980	179
2.637		587	167
2.651		799	444
2.691		773	454
2.71		660	216
2.731		936	300
2.746		1251	590
2.785		781	652

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
2.798	beta-BHC	443	177
2.831		539	183
2.861		4061	4396
2.887		581	148
2.902		779	203
2.918	Heptachlor	576	225
2.97		676	398
2.985		704	139
3.009		1419	754
3.033		1160	700
3.039		1362	617
3.069	delta-BHC	1276	576
3.09		1274	666
3.113		723	199
3.139		857	294
3.157		905	667
3.187		857	244
3.214	Aldrin	2260	1382
3.243		13762	15024
3.271		10798	10433
3.303	Telodrin	3261	3035
3.341		6474	8610
3.35		7360	6327
3.413		2940	2423
3.436		10630	11867
3.458		8878	5797
3.473		22350	20266
3.503		3739	2991
3.518		2360	1321
3.552		1696	1409
3.572		8600	9239
3.618		7946	7684
3.635		8730	5724
3.652	Hept. epoxide	12004	9332
3.665		13989	15328
3.697		7630	8422
3.746		5079	5848
3.775		15277	14944
3.803	g. Chlordane	24476	29106
3.857		39309	59084
3.902	a. Chlordane	3616	2722
3.927	Endosulfan I	16931	13789
3.951		11620	5420
3.966		23865	20943
4.012		32777	44513
4.055		31759	43454
4.079		54991	45525
4.095		57713	56873
4.128	Dieldrin	60335	82550
4.165	o,p-DDD	17570	17630
4.18		12951	6117
4.205		55172	67929
4.231		51030	65988
4.251		39815	30224
4.27		32793	32783
4.286		49079	63630
4.313	Endrin	40791	30073
4.327		64864	59884
4.342	o,p-DDT	47212	38240
4.381	4,4'-DDD	70837	79758
4.416		140971	145071
4.446		134479	139733
4.466	Endosulfan II	64621	66332
4.497		164190	160366
4.523		74550	54434
4.545		41615	31617

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
4.559	4,4'-DDT	43147	32367
4.577		40835	47035
4.615	Endrin aldehyde	123513	126376
4.661		124138	153392
4.675		68372	43914
4.697		81578	75189
4.719	Endo. sulfate	57408	72278
4.745		99368	79311
4.774		11187	6947
4.789		31400	20497
4.813		27082	23086
4.832		9438	6287
4.848		46481	24953
4.872		106263	112709
4.912	Methoxychlor	53189	65263
4.942		180526	188473
4.968		52643	39382
4.997		11534	6882
5.012		3773	1864
5.021		5126	3058
5.047	Endrin ketone	32735	35053
5.083		35230	37998
5.119	Mirex	56262	47311
5.14		11043	6559
5.154		13003	19036
5.193		10329	7080
5.218		19213	20307
5.254		10932	9664
5.273		13748	14469
5.299		5473	2410
5.312		9611	7375
5.323		7963	7052
5.346		7278	4885
5.373		19854	14121
5.396		20389	16780
5.432		4923	4369
5.466		1708	1212
5.487		951	649
5.526		1543	959
5.551		2774	2654
5.581	DCB	838	447
5.607		1451	1005
5.628		810	256
5.651		721	137
5.663		556	164
5.676		483	149
5.695		768	181
5.725		967	470
5.74		970	491
5.754		1416	582
5.801		730	239
5.812		778	119
5.829		611	126
5.836		810	352
5.904		976	275
5.923		735	214
5.978		1564	3950
5.994		849	192
6.018		475	281
6.052		858	199
6.084		600	111
6.111		658	332
6.149		218	160
6.158		640	235
6.182		524	215
6.201		722	220

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
6.207		667	123
6.273		1105	251
6.285		452	101
6.308		452	234
6.345		517	216
6.39		662	159
6.423		641	284
6.436		809	157
6.461		542	297
6.505		463	227
6.53		746	251
6.556		698	204
6.571		641	244
6.596		663	92
6.64		1251	414
6.654		704	233
6.674		970	209
6.692		694	244
6.709		846	127
6.748		854	253
6.761		531	167
6.781		700	128
6.801		565	217
6.825		712	400
6.842		480	198
6.869		513	126
6.882		580	102
6.896		774	180
6.912		823	162
6.92		1157	289
6.937		651	432
6.952		901	181
6.974		1148	521
7.004		710	129
7.025		882	309
7.035		481	97
7.073		849	248
7.081		892	178
7.103		796	202
7.119		500	113
7.161		632	118
7.175		807	267
7.198		812	198
7.244		565	612
7.274		896	293
7.285		816	194
7.298		610	141
7.325		1082	169

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: TOXA11824D AATOXA1AA ICAL 182709999 00177 Analyst: 2306 SW-846 8081A
 Injected On: 9/28/2018 7:13:18 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB CLP2 30m x 0.32mm x 0.25um
 Data File: 35pest18271001B.018.RAW
 Method File: 35PESTDIB.MET
 Calibration File: 35pest1827101b.CAL

RT B	Compound B	Height B	Area B
.008		523	153
.026		477	140
.047		472	110
.054		662	167
1.504		735	196
1.523		1675	1044
1.538		2500	3179
1.606		2530	4104
1.654		1282	641
1.669		1270	495
1.69		1623	1666
1.73		11409	14777
1.78		1860	2494
1.882		729	284
1.956		514	96
1.963		515	161
1.983		812	561
2.073		1809	1885
2.115		3150	3352
2.138		2398	975
2.146		2656	2216
2.166		2669	1838
2.198		720	527
2.205		576	225
2.234		2807	3346
2.282		959	2127
2.294		592	245
2.318		583	215
2.338		749	171
2.357		589	219
2.388		447	138
2.406		657	80
2.434		355	200
2.498	TCX	688	730
2.524		730	253
2.557		576	392
2.587		515	106
2.603		820	423
2.637		718	502
2.713		561	189
2.757		303	192
2.775		398	107
2.801		331	86
2.83	alpha-BHC	340	209
2.857		971	489
2.876		538	180
2.944		669	216
2.992		393	158
3.047		778	390
3.06		796	186
3.09		473	109
3.108		318	150
3.226		584	125
3.241		578	121

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
3.249		581	191
3.29		537	490
3.323		648	312
3.346		692	305
3.432		647	211
3.452		675	247
3.466		1286	602
3.472		1987	1180
3.501		2215	3019
3.584	delta-BHC	540	420
3.646	Heptachlor	720	378
3.697		798	384
3.762		1408	849
3.79		624	420
3.806		685	179
3.856		9931	8833
3.88	Aldrin	13911	15209
3.952		4438	6708
4.008		8730	15315
4.063		2688	2155
4.091		1421	1103
4.122		18204	18580
4.168	Hept. epoxide	13406	18083
4.198		3456	2227
4.22		9982	10465
4.268		9134	8092
4.293	o,p-DDE	19359	17187
4.328		22949	20186
4.347		2493	1237
4.375	g. Chlordane	10917	10572
4.406	a. Chlordane	17027	14715
4.439	Endosulfan I	7907	4785
4.452		13412	9568
4.473		5222	2615
4.498	4,4'-DDE	20529	19784
4.53		16570	14032
4.559	o,p-DDD	22064	13955
4.576	Dieldrin	18355	9888
4.61		16942	11358
4.625		14796	9618
4.641		26308	16851
4.666		43005	35111
4.688		57683	54513
4.714		29602	20477
4.724	Endrin	35106	27360
4.746	o,p-DDT	100811	96665
4.764		30197	33439
4.792	4,4'-DDD	32355	29928
4.825		31096	31984
4.846		73986	60984
4.872	Endosulfan II	73668	89195
4.89		45424	29420
4.908		110557	114748
4.931	Endrin aldehyde	60915	59619
4.954	4,4'-DDT	16787	9872
4.992		76982	69909
5.01		28815	17898
5.036		117093	142070
5.074	Endo. sulfate	88973	97379
5.102		42248	26032
5.133		40918	27547
5.148		17163	8427
5.16		34890	21885
5.182	Methoxychlor	42365	28493
5.197		15232	8975
5.225		60705	73217

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
5.248		79581	95922
5.282		48764	49947
5.313	Endrin ketone	126848	128856
5.334		41868	27455
5.367		31971	27143
5.388		21205	20614
5.411		9818	6595
5.428		12079	11086
5.455		10146	9865
5.499		34298	27216
5.521		11890	8312
5.539		7302	4698
5.559		2775	1179
5.574	Mirex	13099	11403
5.588		11940	8948
5.623		8331	9160
5.642		7895	6920
5.693		2462	1939
5.718		5379	6717
5.734		4044	3233
5.772		3379	3173
5.813		11212	10554
5.842		12332	12625
5.895		581	322
5.956		579	315
6.017		480	327
6.053		1740	1831
6.085	DCB	1142	963
6.138		474	138
6.165		802	375
6.183		598	132
6.191		736	392
6.234		434	88
6.269		333	124
6.305		560	136
6.321		650	212
6.364		592	131
6.4		844	331
6.427		561	116
6.452		441	159
6.492		419	315
6.503		406	94
6.534		606	242
6.551		579	242
6.601		394	138
6.695		834	317
6.745		558	282
6.765		664	248
6.772		614	148
6.797		724	422
6.808		844	169
6.823		538	204
6.92		886	636
6.969		987	1136
6.987		537	176
7.05		499	199
7.104		440	154
7.119		458	129
7.135		859	280
7.21		569	194
7.257		470	506
7.275		647	293
7.291		664	115

TOXA11824D

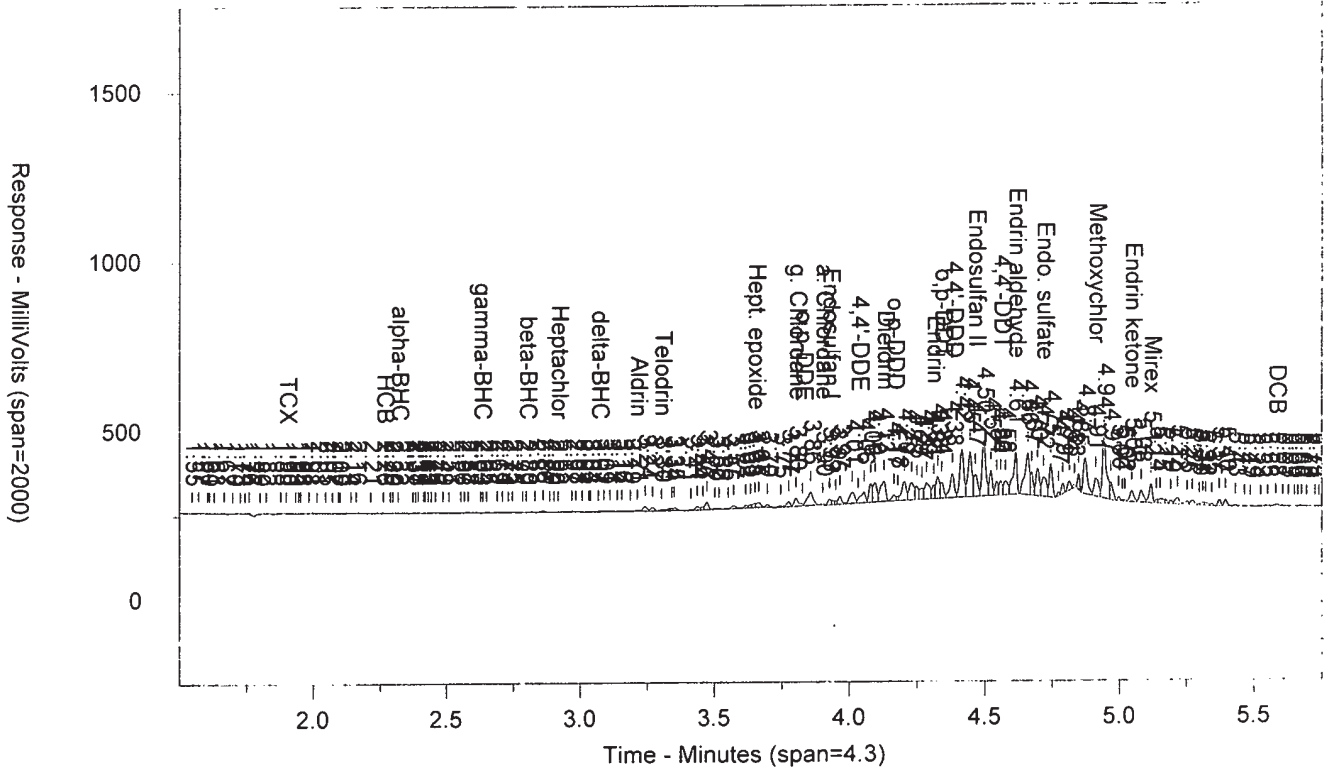
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ICAL 1827099999

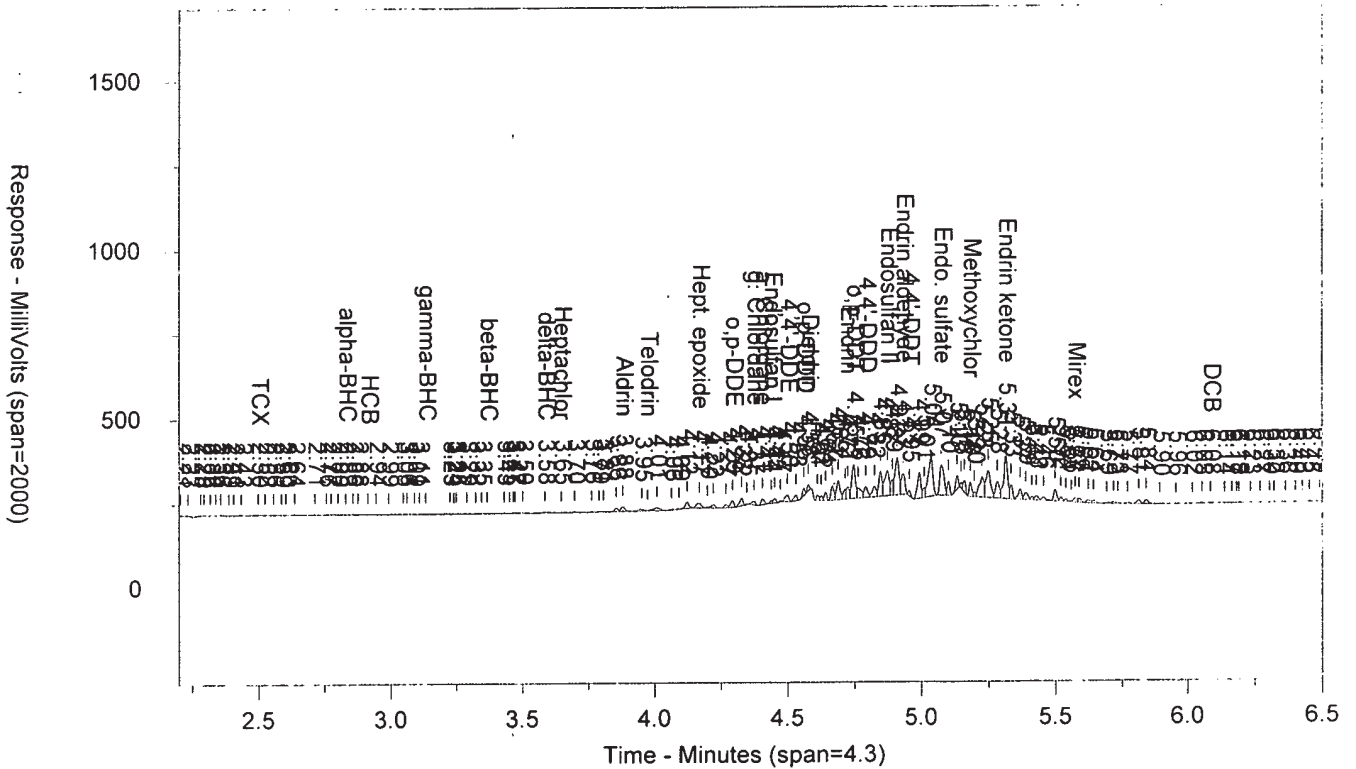
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: TOXA11824D AATOXA1AA ICAL 1827099999 00177 SW-846 8081A
 Injected On: 9/28/2018 7:13:18 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.898	790	.006	TCX	2.498	688	.006	TCX
2.262	1002	.006	HCB		0		HCB
2.318	1138	.005	alpha-BHC	2.83	340	.002	alpha-BHC
2.63	980	.005	gamma-BHC		0		gamma-BHC
2.798	443	.005	beta-BHC		0		beta-BHC
2.918	576	.003	Heptachlor	3.646	720	.005	Heptachlor
3.069	1276	.006	delta-BHC	3.584	540	.003	delta-BHC
3.214	2260	.012	Aldrin	3.88	13911	.082	Aldrin
3.303	3261	.025	Telodrin		0		Telodrin
3.652	12004	.063	Hept. epoxide	4.168	13406	-.319	Hept. epoxide
3.803	24476	.121	g. Chlordane	4.375	10917	.069	g. Chlordane
3.902	3616	.018	a. Chlordane	4.406	17027	-.395	a. Chlordane
3.927	16931	.089	Endosulfan I	4.439	7907	-.355	Endosulfan I
4.128	60335	.294	Dieldrin	4.576	18355	-.925	Dieldrin
4.165	17570	.149	o,p-DDD	4.559	22064	.25	o,p-DDD
	0		o,p-DDE	4.293	19359	.194	o,p-DDE
4.313	40791	.22	Endrin	4.724	35106	.271	Endrin
4.342	47212	.374	o,p-DDT	4.746	100811	1.042	o,p-DDT
4.381	70837	.434	4,4'-DDD	4.792	32355	.259	4,4'-DDD
4.466	64621	.35	Endosulfan II	4.872	73668	.551	Endosulfan II
	0		4,4'-DDE	4.498	20529	.135	4,4'-DDE
4.559	43147	.285	4,4'-DDT	4.954	16787	.143	4,4'-DDT
4.615	123513	.82	Endrin aldehyde	4.931	60915	.551	Endrin aldehyde
4.719	57408	.346	Endo. sulfate	5.074	88973	.708	Endo. sulfate
4.912	53189	.745	Methoxychlor	5.182	42365	.784	Methoxychlor
5.047	32735	.17	Endrin ketone	5.313	120848	.376	Endrin ketone
5.119	56262	.432	Mirex	5.574	13099	.177	Mirex
5.581	838	-1.197	DCB	6.085	1142	-2.382	DCB

Files:

Area File: 35pest18271001.018.RAW
 Area File: 35pest18271001B.018.RAW
 Method A: 35PESTDI.MET
 Method B: 35PESTDIB.MET
 Calibration File A: 35pest1827101.CAL
 Calibration File B: 35pest1827101b.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 9/28/2018 7:20:39 PM
 File Reported On: 10/3/2018 at 7:04:59 PM

Chrom Perfect Chromatogram Report

TOXA11824D

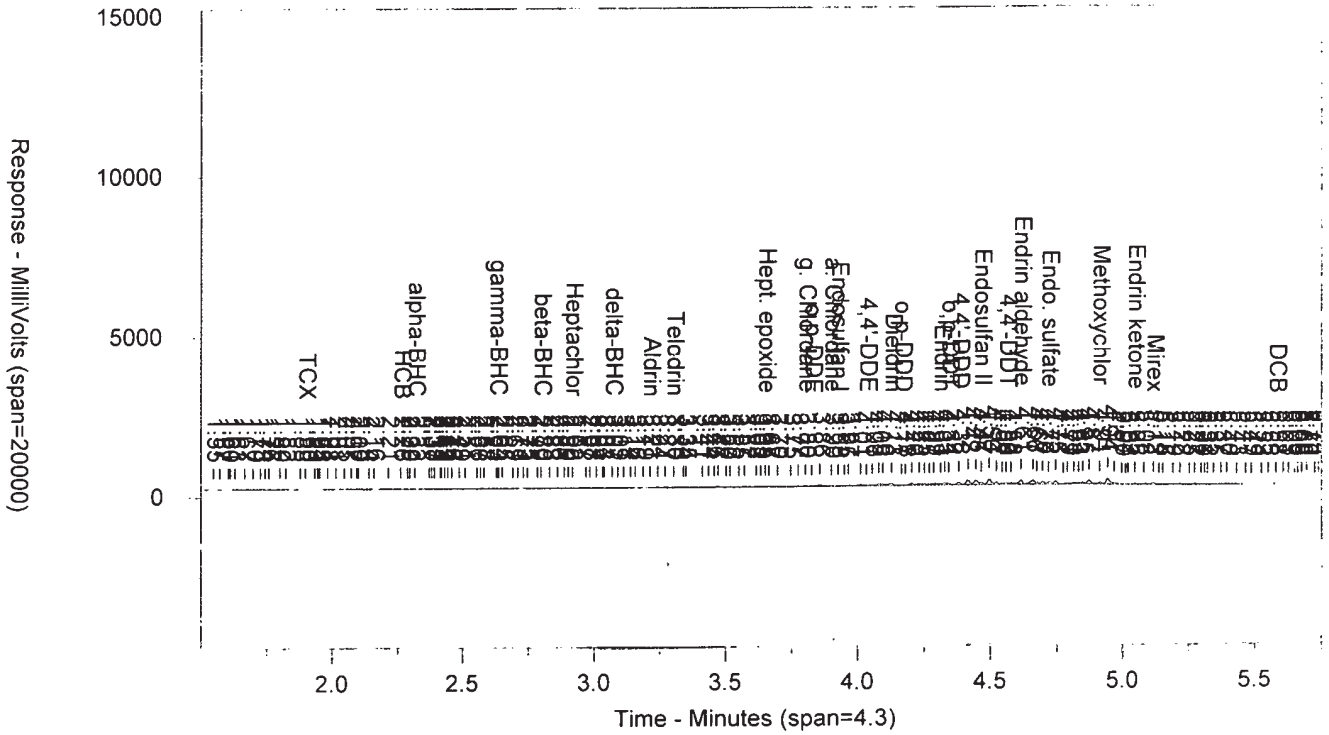
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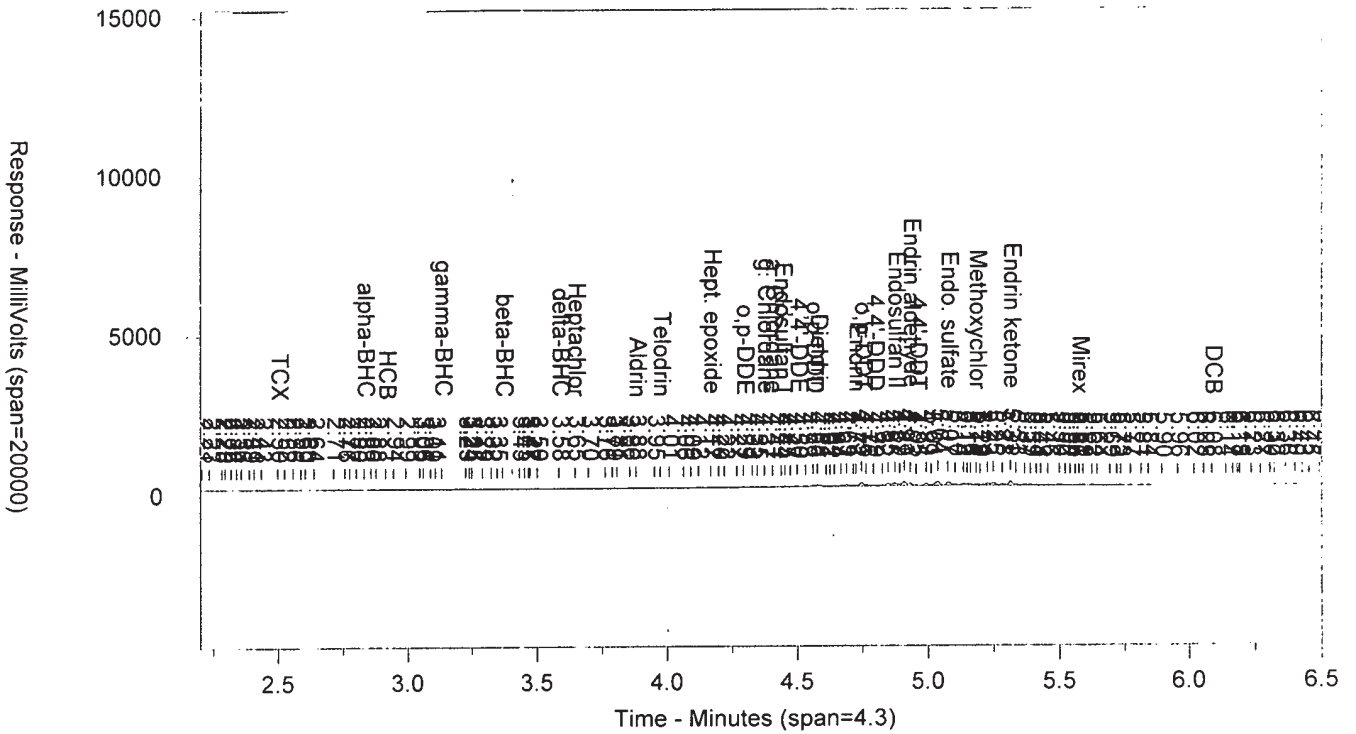
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: TOXA21824D AATOXA2AA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
Injected On: 9/28/2018 7:23:54 PM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Date File: 35pest18271001.019.RAW
Method File: 35PESTD1.MET
Calibration File: 35pest1827101.CAL

RT A	Compound A	Height A	Area A
.027		845	427
.079		792	126
.094		774	198
1.524		663	342
1.535		1100	268
1.556		521	126
1.593		844	288
1.6		947	404
1.621		1102	652
1.641		797	400
1.661		785	335
1.697		716	561
1.714		468	133
1.734		1135	293
1.754		1309	1730
1.796		1187	1863
1.82		841	185
1.829		1000	274
1.873		736	708
1.891		805	208
1.916	TCX	579	132
1.935		714	181
1.96		645	97
1.984		1016	362
2.017		615	324
2.03		870	252
2.036		612	115
2.058		689	233
2.074		589	161
2.091		1135	510
2.155		551	138
2.163		1041	267
2.197		910	150
2.237		969	195
2.273	HCB	1017	452
2.286		772	143
2.298		759	124
2.305	alpha-BHC	680	127
2.336		776	176
2.355		572	126
2.394		767	454
2.422		803	156
2.432		602	207
2.44		930	246
2.461		975	655
2.493		818	185
2.511		412	130
2.528		777	228
2.545		713	139
2.581		2865	3021
2.602	gamma-BHC	1128	465
2.647		1427	1059
2.675		908	142
2.687		1853	955

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
2.693		2602	1027
2.712		913	174
2.723		913	354
2.741		3060	2511
2.767		580	189
2.784		847	159
2.799		837	134
2.821	beta-BHC	1719	901
2.836		750	227
2.86		4803	5317
2.908	Heptachlor	728	101
2.942		711	319
2.974		2144	2333
2.997		830	520
3.033		2547	2717
3.076	delta-BHC	1242	1190
3.082		1026	325
3.092		580	173
3.1		987	255
3.116		1577	717
3.152		2186	877
3.162		2752	2319
3.195	Aldrin	899	327
3.216		2894	2608
3.241		25424	24076
3.27		19747	19295
3.307	Telodrin	4845	5306
3.345		13482	31579
3.416		4736	4332
3.438		19537	21672
3.455		16692	9997
3.473		41543	41071
3.503		7731	5776
3.52		4588	3169
3.539		1652	396
3.548		2007	1309
3.574		15478	15329
3.6		1948	1035
3.616		14503	11480
3.633		14788	11424
3.652	Hept. epoxide	23050	20004
3.664		25721	26573
3.696		11780	13645
3.747		9606	11137
3.775		30800	31243
3.802		45960	45898
3.82	g. Chlordane	17441	11497
3.856		76005	113781
3.9	a. Chlordane	9083	5433
3.927	Endosulfan I	29344	32995
3.945		17776	13252
3.965		37720	30362
4.012		61163	75683
4.054		57025	75303
4.078		98869	82377
4.094		108218	106717
4.128	Dieldrin	113030	149382
4.164	o,p-DDD	31305	28989
4.181		20295	12557
4.203		105140	114452
4.23		92571	107908
4.249		63353	49575
4.266		49644	48035
4.286		77679	94034
4.312	Endrin	59014	41218
4.327		104278	88453

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
4.342	o,p-DDT	75038	52358
4.379	4,4'-DDD	90995	79653
4.415		247895	235389
4.445		220914	228940
4.466	Endosulfan II	76879	61501
4.496		271219	248320
4.522		118284	75179
4.544		53578	35357
4.558	4,4'-DDT	60388	43373
4.577		65042	71423
4.6		81222	47080
4.614	Endrin aldehyde	236499	181781
4.659		205064	251651
4.674		88310	48547
4.696		110495	75120
4.716	Endo. sulfate	18512	9256
4.744		156946	112280
4.773		19950	12729
4.788		59959	37463
4.813		52714	44919
4.831		19253	11349
4.847		93670	49760
4.871		200271	217527
4.911	Methoxychlor	104848	124688
4.941		320216	347976
4.966		99024	77642
4.997		19606	11694
5.011		5834	2486
5.021		7431	4067
5.046	Endrin ketone	54327	52507
5.081		59964	58375
5.118	Mirex	98671	72952
5.139		11747	6039
5.152		10355	9027
5.193		20616	12491
5.217		37234	42096
5.242		11812	5524
5.253		21189	14715
5.273		26293	28907
5.299		10841	6183
5.312		17870	27387
5.344		13938	10243
5.372		39908	28370
5.395		39460	34238
5.429		9552	9477
5.465		3051	2712
5.49		1315	648
5.522		2143	1327
5.552		4124	4129
5.585	DCB	9037	8686
5.607		3516	2140
5.626		1240	607
5.663		1014	431
5.689		803	223
5.71		658	284
5.735		652	169
5.821		675	112
5.831		743	366
5.863		1118	408
5.907		802	272
5.921		673	240
5.976		994	2549
5.981		752	349
5.997		957	242
6.014		891	621
6.033		783	576

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
6.041		616	186
6.055		546	115
6.069		548	151
6.094		791	425
6.111		704	120
6.151		649	165
6.163		694	118
6.194		531	164
6.202		527	124
6.211		1510	1162
6.243		880	180
6.264		581	211
6.287		445	176
6.303		631	153
6.339		723	372
6.345		649	229
6.36		785	210
6.41		593	199
6.448		897	320
6.465		600	126
6.493		660	121
6.512		770	412
6.572		623	278
6.587		550	120
6.625		605	209
6.636		623	189
6.67		514	167
6.692		683	132
6.699		937	281
6.723		1160	586
6.741		592	310
6.749		556	131
6.777		781	223
6.792		879	434
6.821		347	77
6.85		695	449
6.862		1144	430
6.876		678	353
6.908		599	104
6.917		539	185
6.943		726	369
6.958		613	269
6.972		718	192
6.991		522	112
7.002		468	91
7.01		666	219
7.049		463	284
7.074		753	193
7.089		659	435
7.104		946	249
7.115		765	373
7.143		527	258
7.152		760	165
7.176		731	316
7.192		864	170
7.222		730	230
7.246		531	212
7.267		785	146
7.284		610	222
7.305		769	149

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: TOXA21824D AATOXA2AA ICAL 182709999 00177 Analyst: 2306 SW-846 8081A
 Injected On: 9/28/2018 7:23:54 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB CLP2 30m x 0.32mm x 0.25um
 Data File: 35pest18271001B.019.RAW
 Method File: 35PESTDIB.MET
 Calibration File: 35pest1827101b.CAL

RT B	Compound B	Height B	Area B
.018		314	182
.029		607	98
.067		628	550
1.54		1764	2806
1.601		1145	1705
1.612		628	256
1.685		523	256
1.731		9200	11937
1.772		954	650
1.809		377	242
1.837		721	258
1.88		422	122
1.922		532	119
1.952		800	383
1.98		625	559
2.066		890	646
2.075		786	375
2.089		749	453
2.106		635	200
2.2		1304	690
2.274		861	825
2.289		1044	788
2.386		500	157
2.439		538	91
2.463		732	126
2.485	TCX	462	197
2.519		878	383
2.559		672	286
2.573		524	316
2.59		560	130
2.628		375	123
2.66		388	186
2.715		614	379
2.766		580	146
2.786		458	127
2.81		531	206
2.855		467	170
2.913	HCB	369	155
2.953		506	232
2.979		574	196
3.021		641	160
3.053		364	172
3.092		396	183
3.137	gamma-BHC	480	136
3.173		674	650
3.238		436	269
3.273		466	116
3.295		1013	718
3.323		633	122
3.388		445	143
3.405		885	334
3.427		996	384
3.433		1113	616
3.473		2134	2208

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
3.507		762	694
3.556		347	207
3.58	delta-BHC	970	314
3.613		471	176
3.65	Heptachlor	1157	891
3.666		1884	978
3.701		3316	3368
3.735		747	363
3.764		2710	2195
3.799		907	1052
3.833		700	147
3.858		20383	18377
3.883	Aldrin	27946	28598
3.947		8633	12852
4.01		17047	30025
4.046		483	111
4.064		5235	4866
4.091		6497	5356
4.123		38568	46856
4.171	Hept. epoxide	27380	41157
4.202		7153	5833
4.223		18757	17326
4.272		16218	15601
4.295	o,p-DDE	37231	31645
4.33		49990	46293
4.349		15713	11249
4.374	g. Chlordane	24546	34940
4.409	a. Chlordane	31109	27677
4.443	Endosulfan I	14957	9794
4.454		24681	16093
4.475		8158	4148
4.501	4,4'-DDE	37716	36732
4.531		30888	25988
4.562	o,p-DDD	39216	25467
4.579	Dieldrin	33418	19403
4.613		30954	18803
4.626		26652	19456
4.643		45012	29543
4.669		79977	60036
4.691		99333	102080
4.716		53443	32571
4.727	Endrin	62455	50995
4.748		168155	164203
4.767		54525	58320
4.794	4,4'-DDD	58368	59646
4.826		56195	53760
4.848		137716	111554
4.875	Endosulfan II	137690	162574
4.89		65517	39971
4.91		205270	205588
4.935	Endrin aldehyde	111025	110142
4.955	4,4'-DDT	30157	19915
4.994		141331	127623
5.012		49884	27568
5.038		215362	266900
5.078	Endo. sulfate	167016	178245
5.104		69922	46897
5.135		66958	44964
5.15		25323	13377
5.163		59093	37266
5.184	Methoxychlor	72432	48512
5.199		24935	15268
5.228		109453	130476
5.25		147323	171463
5.285	Endrin ketone	85847	90301
5.316		236841	235834

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
5.336		75759	49589
5.369		60391	48981
5.391		41183	39084
5.412		18826	13022
5.431		23891	20928
5.458		19032	19929
5.501		63912	49233
5.523		21043	16321
5.539		12427	8355
5.561		4573	1734
5.576	Mirex	24998	20561
5.591		23712	19573
5.624		17222	19012
5.645		16351	17567
5.718		10981	21656
5.737		8989	7100
5.775		8372	9938
5.815		24203	23207
5.844		23612	25501
5.895		1119	692
5.928		1174	744
5.963		502	319
5.977		843	393
6.003		495	111
6.01		702	193
6.053		3133	2642
6.093	DCB	1209	1377
6.142		915	397
6.159		540	267
6.188		854	277
6.208		918	262
6.262		543	250
6.281		379	92
6.287		614	100
6.322		861	889
6.375		625	201
6.405		463	259
6.439		518	149
6.476		524	358
6.524		553	204
6.605		562	193
6.618		641	385
6.638		663	150
6.68		640	163
6.698		854	570
6.73		523	106
6.756		704	164
6.767		617	121
6.791		440	182
6.812		499	268
6.831		517	262
6.854		783	474
6.868		556	104
6.892		631	224
6.967		807	534
6.989		722	318
7.04		611	219
7.061		482	86
7.082		617	184
7.098		602	177
7.125		655	467
7.159		423	256
7.188		489	152
7.203		390	132
7.235		557	428
7.255		576	112

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
7.265		469	152
7.325		351	168

TOXA21824D

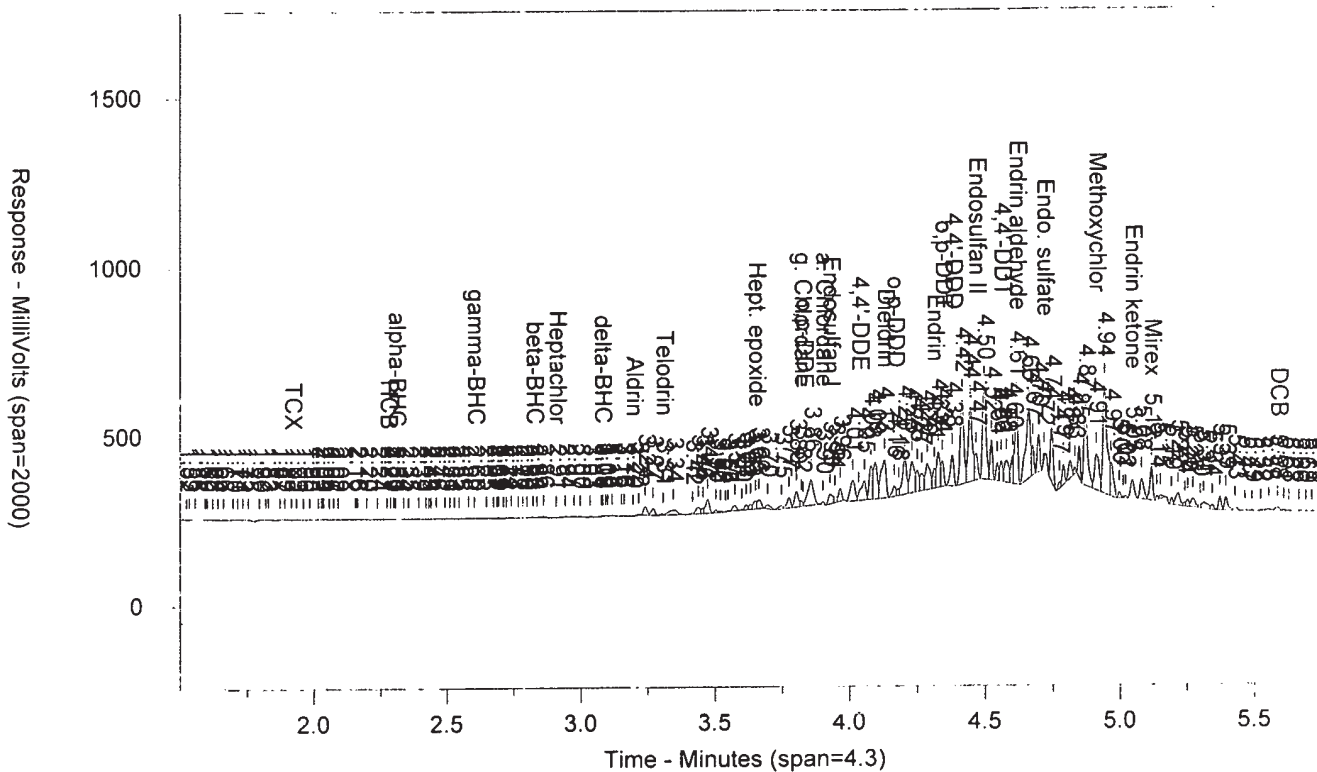
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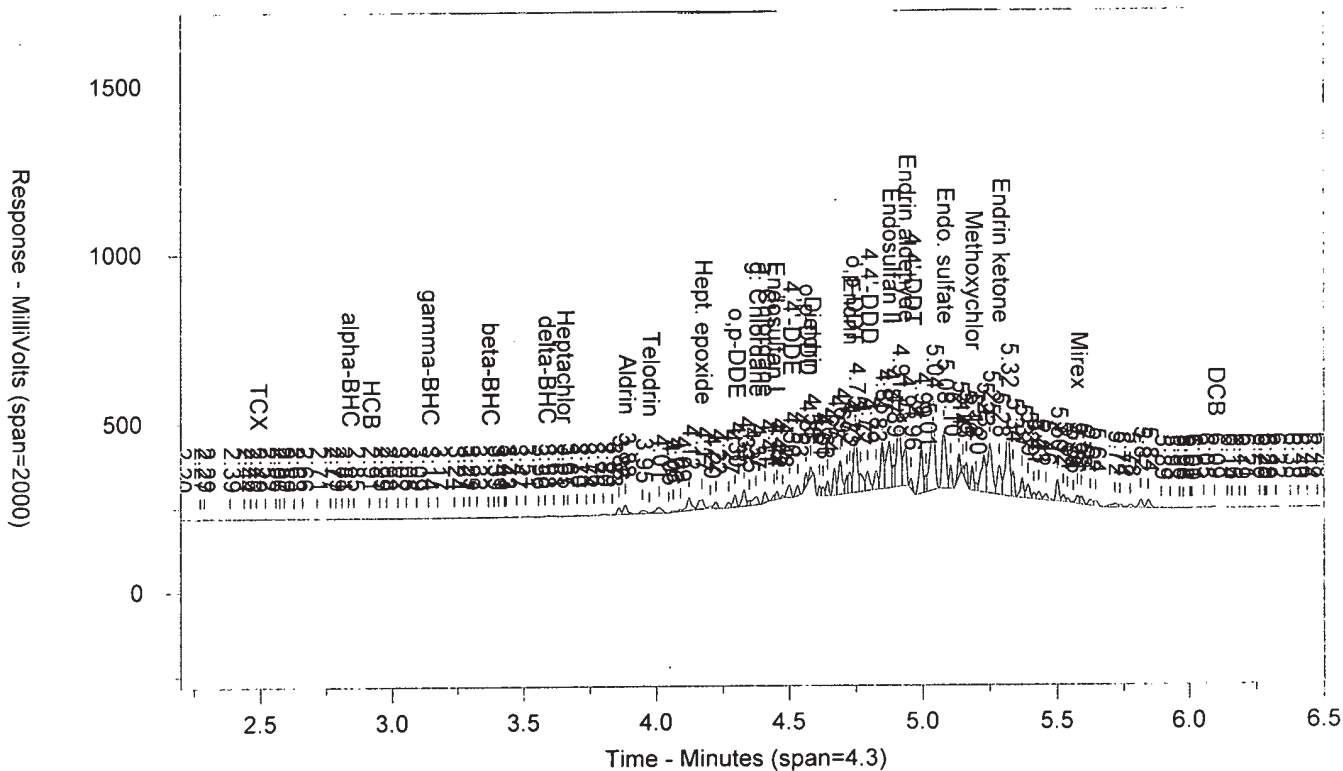
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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: TOXA21824D AATOXA2AA ICAL 1827099999 00177 SW-846 8081A
 Injected On: 9/28/2018 7:23:54 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.916	579	.004	TCX	2.485	462	.004	TCX
2.273	1017	.006	HCB	2.913	369	.003	HCB
2.305	680	.003	alpha-BHC		0		alpha-BHC
2.602	1128	.006	gamma-BHC	3.137	480	.003	gamma-BHC
2.821	1719	.018	beta-BHC		0		beta-BHC
2.908	728	.004	Heptachlor	3.65	1157	.007	Heptachlor
3.076	1242	.006	delta-BHC	3.58	970	.005	delta-BHC
3.195	899	.005	Aldrin	3.883	27946	.165	Aldrin
3.307	4845	.037	Telodrin		0		Telodrin
3.652	23050	.12	Hept. epoxide	4.171	27380	-.215	Hept. epoxide
3.82	17441	.086	g. Chlordane	4.374	24546	.155	g. Chlordane
3.9	9083	.045	a. Chlordane	4.409	31109	-.285	a. Chlordane
3.927	29344	.155	Endosulfan I	4.443	14957	-.301	Endosulfan I
4.128	113030	.55	Dieldrin	4.579	33418	-.811	Dieldrin
4.164	31305	.266	o,p-DDD	4.562	39216	.444	o,p-DDD
	0		o,p-DDE	4.295	37231	.373	o,p-DDE
4.312	59014	.319	Endrin	4.727	62455	.481	Endrin
4.342	75038	.595	o,p-DDT		0		o,p-DDT
4.379	90995	.558	4,4'-DDD	4.794	58368	.467	4,4'-DDD
4.466	76879	.416	Endosulfan II	4.875	137690	1.029	Endosulfan II
	0		4,4'-DDE	4.501	37716	.248	4,4'-DDE
4.558	60388	.398	4,4'-DDT	4.955	30157	.258	4,4'-DDT
4.614	236499	1.57	Endrin aldehyde	4.935	111025	1.005	Endrin aldehyde
4.716	18512	.112	Endo. sulfate	5.078	167016	1.329	Endo. sulfate
4.911	104848	1.468	Methoxychlor	5.184	72432	1.341	Methoxychlor
5.046	54327	.282	Endrin ketone	5.285	85847	.029	Endrin ketone
5.118	98671	.757	Mirex	5.576	24998	.337	Mirex
5.585	9037	-1.127	DCB	6.093	1209	-2.381	DCB

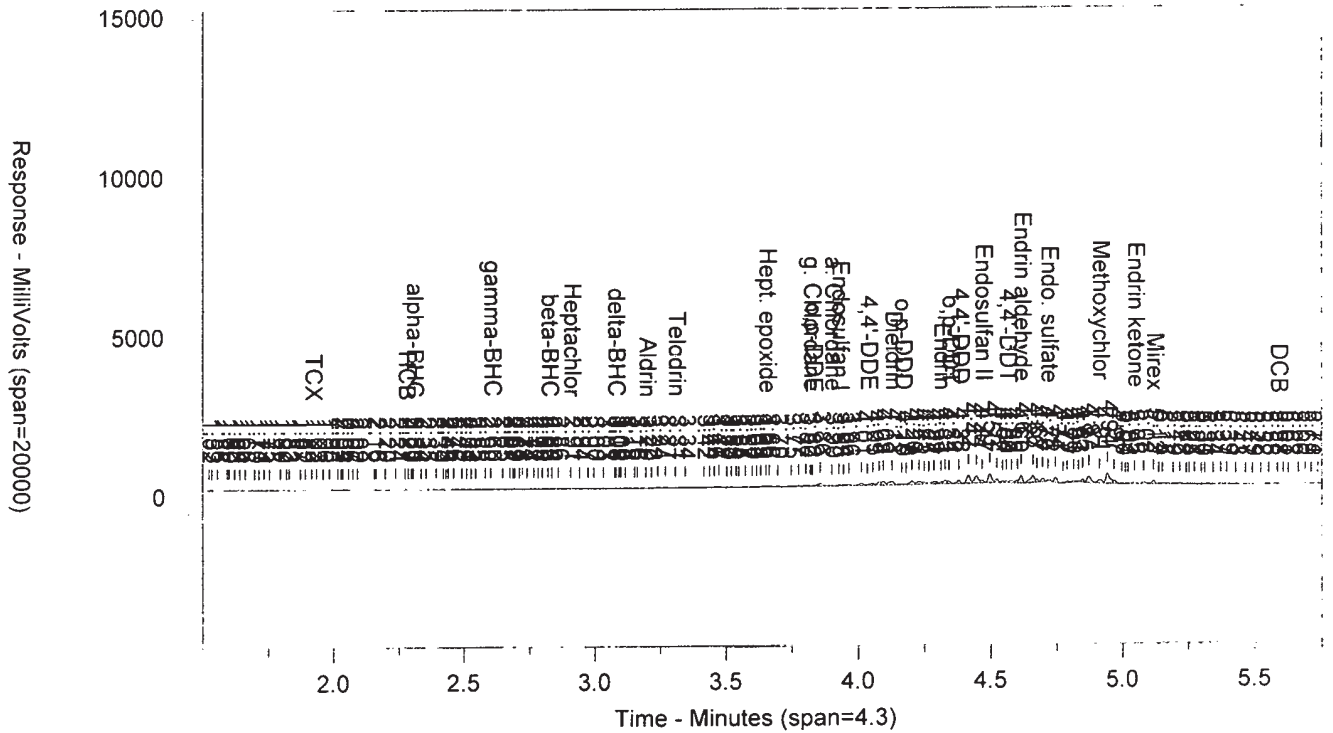
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 Area File: 35pest18271001B.019.RAW
 Method A: 35PESTD1.MET
 Method B: 35PESTD1B.MET
 Calibration File A: 35pest1827101.CAL
 Calibration File B: 35pest1827101b.CAL
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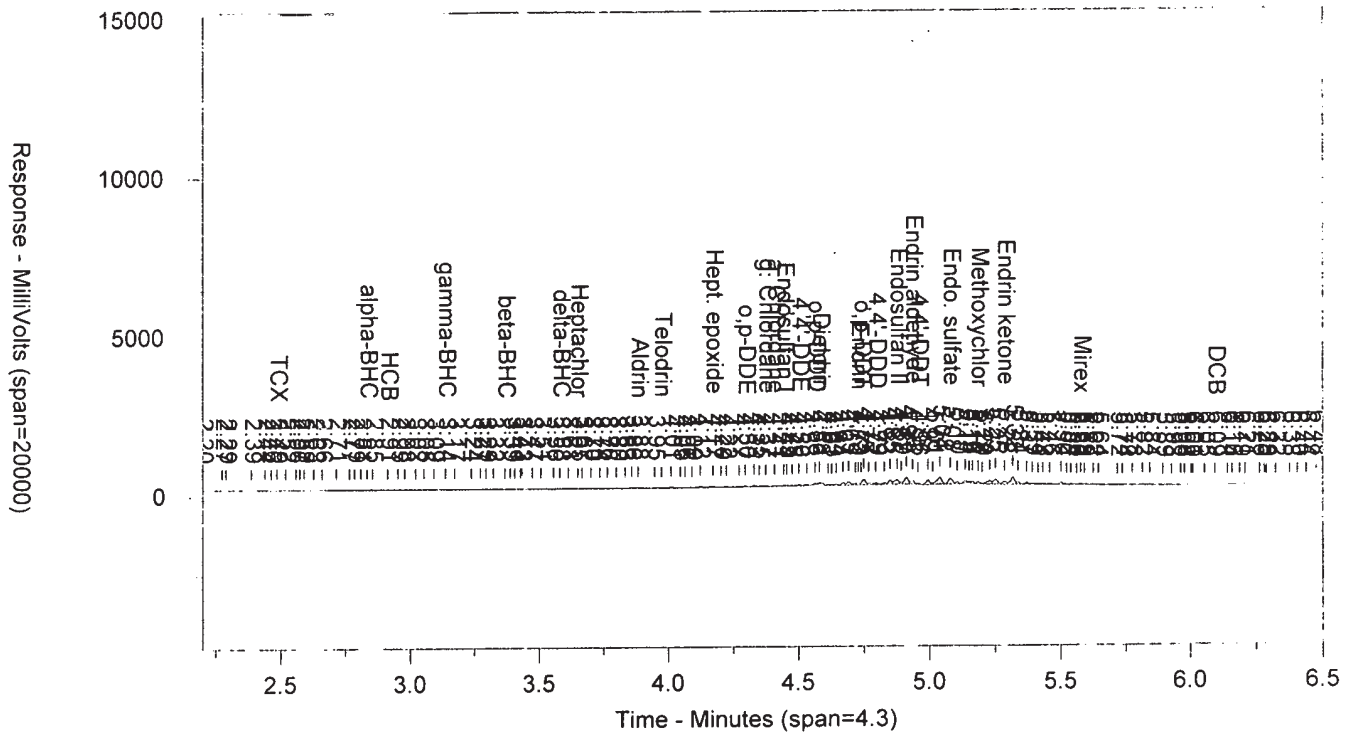
Chrom Perfect Chromatogram Report

TOXA21824D AATOXA2AA ICAL 1827099999 00177 SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: TOXA31824D AATOXA3AA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
Injected On: 9/28/2018 7:34:23 PM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Date File: 35pest18271001.020.RAW
Method File: 35PESTDI.MET
Calibration File: 35pest1827101.CAL

RT A	Compound A	Height A	Area A
.003		591	128
.027		323	78
.056		704	165
.083		500	121
1.515		436	93
1.547		748	214
1.555		985	277
1.663		2230	1923
1.685		576	130
1.696		592	109
1.712		835	300
1.724		742	177
1.744		601	135
1.756		3514	2907
1.79		1108	1041
1.808		1123	294
1.822		1528	1285
1.867		998	636
1.876		475	184
1.901	TCX	783	198
1.949		738	397
1.962		1018	450
1.984		1010	371
2.035		1752	1181
2.06		664	248
2.074		1135	518
2.085		1063	642
2.111		581	232
2.122		605	413
2.155		653	280
2.167		947	401
2.183		804	174
2.195		744	200
2.243	HCB	771	430
2.272		869	410
2.291		981	312
2.33	alpha-BHC	1011	285
2.353		514	146
2.366		1144	319
2.39		561	259
2.416		656	129
2.424		916	186
2.443		716	248
2.479		509	107
2.494		686	107
2.507		772	203
2.532		806	221
2.542		585	283
2.579		3936	3573
2.621	gamma-BHC	773	144
2.642		3263	1356
2.655		2566	1415
2.688		3947	3772
2.724		807	471

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
2.739		4674	3899
2.773		857	173
2.781		598	107
2.798		1323	642
2.815	beta-BHC	1974	981
2.857		9057	9936
2.895		890	139
2.922	Heptachlor	1967	2403
2.942		4199	4142
2.969		4963	5641
2.989		820	235
3.034		4026	4122
3.069	delta-BHC	3154	1476
3.093		4158	4422
3.116		4082	4485
3.14		490	153
3.158		5260	4972
3.188		1891	722
3.212	Aldrin	9763	9885
3.239		52222	55933
3.268		39698	37444
3.299	Telodrin	8312	3904
3.34		26234	61958
3.411		9418	7571
3.435		37580	42718
3.47		78445	98634
3.501		14763	10763
3.519		7473	5684
3.549		8175	7699
3.57		33451	37890
3.597		10551	8201
3.615		32466	29189
3.63		36482	28499
3.648	Hept. epoxide	53994	52783
3.663		56678	64927
3.694		30105	40897
3.744		19721	24310
3.773		65165	69440
3.8		91883	99449
3.818	g. Chlordane	37240	22673
3.854		158077	250709
3.898	a. Chlordane	20220	16650
3.924	Endosulfan I	63427	105818
3.963		91177	104182
4.01		131180	179977
4.052	4,4'-DDE	131571	186109
4.076		211619	185471
4.093		225767	226419
4.126	Dieldrin	243169	345957
4.163	o,p-DDD	90820	102642
4.201		230533	336757
4.228		217426	279597
4.247		176347	141384
4.263		147839	148343
4.284		201566	273382
4.31	Endrin	174743	132247
4.325		265316	251985
4.34	o,p-DDT	216682	192037
4.376		231720	296878
4.413	4,4'-DDD	554827	605650
4.443		516565	585425
4.464	Endosulfan II	246397	249764
4.494		627198	662941
4.521		309459	246321
4.542		186375	154696
4.557	4,4'-DDT	192098	150474

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
4.574		197442	243189
4.612	Endrin aldehyde	489827	568253
4.657		487817	665913
4.672		275298	186027
4.695		324189	308793
4.718	Endo. sulfate	221755	289263
4.743		346478	291587
4.771		52619	31824
4.786		142341	106745
4.811		152909	166580
4.83		106627	80744
4.845		209730	133987
4.869		370069	409548
4.911	Methoxychlor	201785	238341
4.94		600301	657770
4.965		195177	154682
4.995		40004	23590
5.01		16208	8510
5.019		17124	10745
5.044	Endrin ketone	119058	128527
5.08		130497	141845
5.117	Mirex	206492	173330
5.138		40391	25767
5.15		44741	85743
5.191		44135	29443
5.215		72930	80331
5.251		41092	40647
5.271		52203	56565
5.298		28958	21597
5.309		35591	53216
5.343		27863	18974
5.371		76325	54089
5.393		77776	65160
5.429		19459	16402
5.463		17417	15295
5.486		3019	2482
5.523		4292	2584
5.55		9409	8290
5.582	DCB	17794	16636
5.604		6596	4325
5.64		12104	15046
5.667		1062	438
5.707		1063	421
5.758		2882	2439
5.835		9503	15752
5.907		1166	1170
5.967		3811	4986
6.015		878	188
6.026		1092	197
6.033		813	215
6.091		2743	2700
6.115		961	186
6.159		1558	1148
6.181		660	178
6.197		1022	590
6.212		1762	1387
6.269		782	167
6.292		927	131
6.298		654	174
6.32		792	459
6.353		836	159
6.385		779	726
6.396		767	145
6.402		524	126
6.438		956	625
6.468		481	209

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
6.481		649	157
6.499		644	113
6.515		801	191
6.534		567	101
6.586		609	370
6.61		668	343
6.626		726	218
6.649		1000	239
6.67		643	315
6.691		705	435
6.704		590	161
6.719		443	234
6.751		539	177
6.763		628	142
6.782		381	69
6.817		686	264
6.837		776	173
6.85		612	326
6.895		639	173
6.905		752	203
6.922		484	144
6.971		535	175
6.994		371	84
7.025		829	246
7.04		850	178
7.068		947	202
7.081		1041	381
7.104		835	227
7.124		735	149
7.154		653	143
7.171		961	203
7.199		677	111
7.211		845	162
7.22		1006	328
7.243		467	150
7.263		774	668
7.293		918	332
7.304		665	210
7.317		870	319

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: TOXA31824D AATOXA3AA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
 Injected On: 9/28/2018 7:34:23 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB CLP2 30m x 0.32mm x 0.25um
 Data File: 35pest18271001B.020.RAW
 Method File: 35PESTDIB.MET
 Calibration File: 35pest1827101b.CAL

RT B	Compound B	Height B	Area B
.019		514	177
.035		878	599
.086		392	162
1.528		383	109
1.592		4168	5269
1.61		1208	526
1.692		567	289
1.726		9770	12054
1.767		6721	9166
1.805		639	168
1.844		481	424
1.873		459	233
1.918		724	385
1.945		606	180
1.983		823	650
2.011		408	128
2.108		511	339
2.14		614	207
2.148		767	225
2.194		2490	2319
2.233		3305	5001
2.27		696	445
2.281		679	263
2.319		719	146
2.359		916	864
2.401		528	117
2.466		761	176
2.482	TCX	810	390
2.51		741	315
2.55		385	154
2.601		765	411
2.629		399	304
2.68		721	334
2.71		569	162
2.751		338	91
2.778		408	101
2.817		529	98
2.834	alpha-BHC	643	524
2.854		1128	748
2.874		505	123
2.893		1206	1035
2.914	HCB	504	223
2.967		467	124
3.012		441	208
3.068		433	364
3.095		487	106
3.12		551	151
3.129	gamma-BHC	600	155
3.149		645	187
3.17		497	178
3.196		421	93
3.244		450	143
3.287		2957	3010
3.324		1688	1213

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
3.339		2230	2057
3.377	beta-BHC	972	789
3.428		1837	1620
3.468		3921	4298
3.496		1399	781
3.538		567	168
3.548		585	98
3.582	delta-BHC	3981	4868
3.606		1370	1298
3.642	Heptachlor	1074	653
3.659		2961	1857
3.695		5539	5369
3.73		2178	1284
3.76		5035	4251
3.795		6090	8891
3.852		36975	33343
3.877	Aldrin	48511	41229
3.918		1164	405
3.939		16653	24505
4.004		32661	54362
4.04		850	328
4.056		10408	7783
4.086		10712	8268
4.117		72337	87239
4.165		52892	74727
4.196	Hept. epoxide	16509	11523
4.217		35833	34771
4.24		836	193
4.264		30594	26469
4.29	o,p-DDE	70822	60561
4.325		92923	89502
4.343		31506	22567
4.369	g. Chlordane	45336	65064
4.402	a. Chlordane	63753	67217
4.436	Endosulfan I	42854	31912
4.449		56812	47619
4.47		36386	26420
4.494	4,4'-DDE	86917	97020
4.526		79549	77106
4.556	o,p-DDD	133000	127386
4.572		164022	138950
4.584	Dieldrin	131508	74355
4.607		55843	38674
4.621		48005	32811
4.639		88658	55615
4.663		148281	119044
4.685		198602	189344
4.712		99869	68511
4.721	Endrin	127725	95418
4.742	o,p-DDT	323536	320812
4.763		95843	106391
4.788	4,4'-DDD	114619	112086
4.82		112483	108213
4.843		252614	210684
4.869	Endosulfan II	248370	301459
4.885		120846	63316
4.905		376462	397141
4.929	Endrin aldehyde	207607	198431
4.95	4,4'-DDT	52610	34664
4.988		251218	240039
5.009		95801	51858
5.033		396942	496531
5.072	Endo. sulfate	300892	291743
5.099		110087	63696
5.13		131881	92326
5.145		55322	29987

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
5.157		116311	67981
5.179	Methoxychlor	135094	90468
5.194		45088	27037
5.222		207842	242313
5.245		269180	324227
5.279		166407	173193
5.31	Endrin ketone	428349	430944
5.33		143147	93544
5.364		107688	92045
5.385		76168	70045
5.408		36391	24601
5.425		43089	39744
5.452		35872	38537
5.496		115601	91610
5.518		40978	28701
5.535		24689	17691
5.554		8441	2901
5.571	Mirex	47575	40624
5.585		43736	38025
5.619		32217	37441
5.639		30661	26652
5.69		8800	8519
5.712		18757	26301
5.731		14399	11886
5.769		15516	16987
5.81		45513	44355
5.839		46183	48552
5.891		3278	3208
5.921		2338	2181
5.955		1091	891
6.009		2053	1948
6.045		6378	5798
6.084		3209	2979
6.103	DCB	2739	1638
6.132		1609	851
6.158		870	418
6.18		1715	1497
6.204		615	99
6.217		1660	1104
6.252		2009	2412
6.293		1150	512
6.389		556	104
6.521		723	214
6.591		318	421
6.606		453	156
6.631		1765	1567
6.679		642	278
6.725		739	243
6.763		429	100
6.77		647	224
6.82		768	304
6.843		531	147
6.878		431	133
6.902		427	110
6.979		696	2135
7.001		629	218
7.042		663	401
7.065		493	176
7.095		1000	1092
7.155		1062	536
7.174		622	162
7.198		921	149
7.214		556	145
7.264		940	613
7.293		857	448
7.306		625	396

TOXA31824D

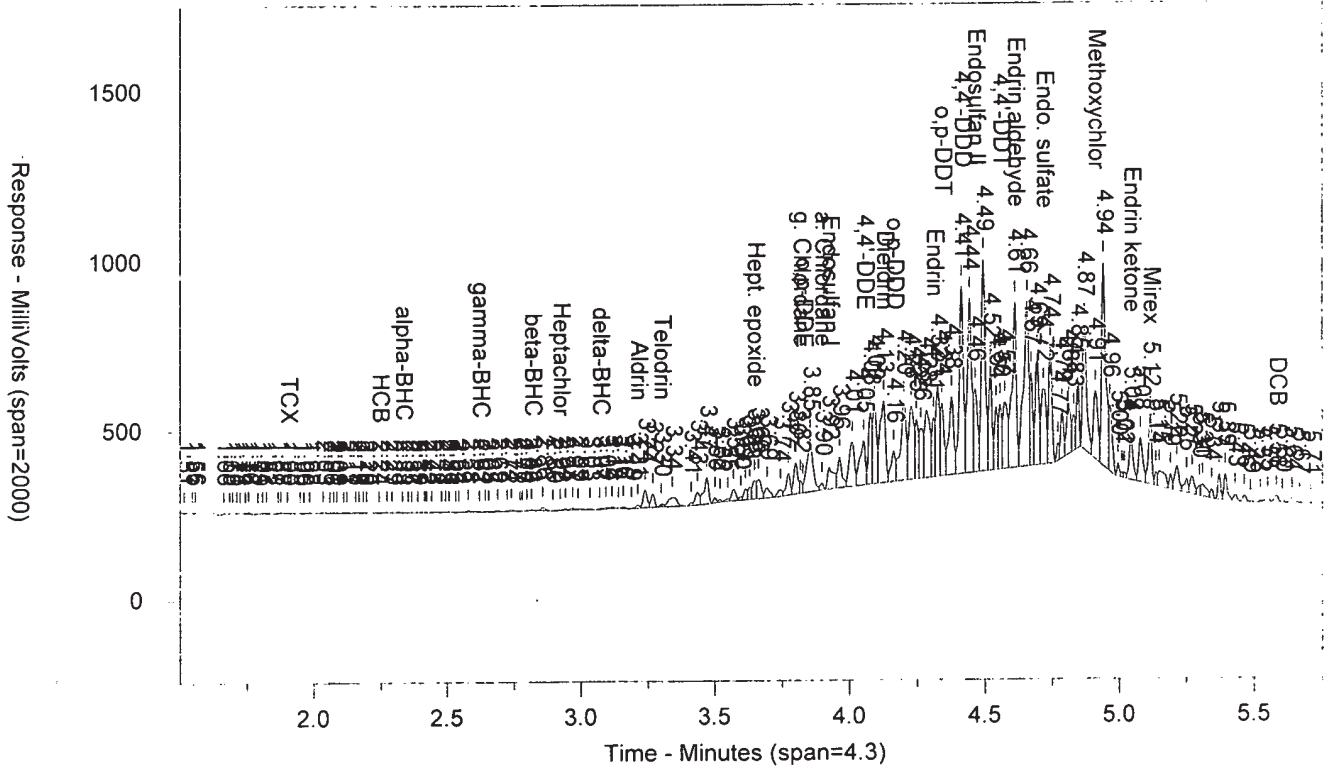
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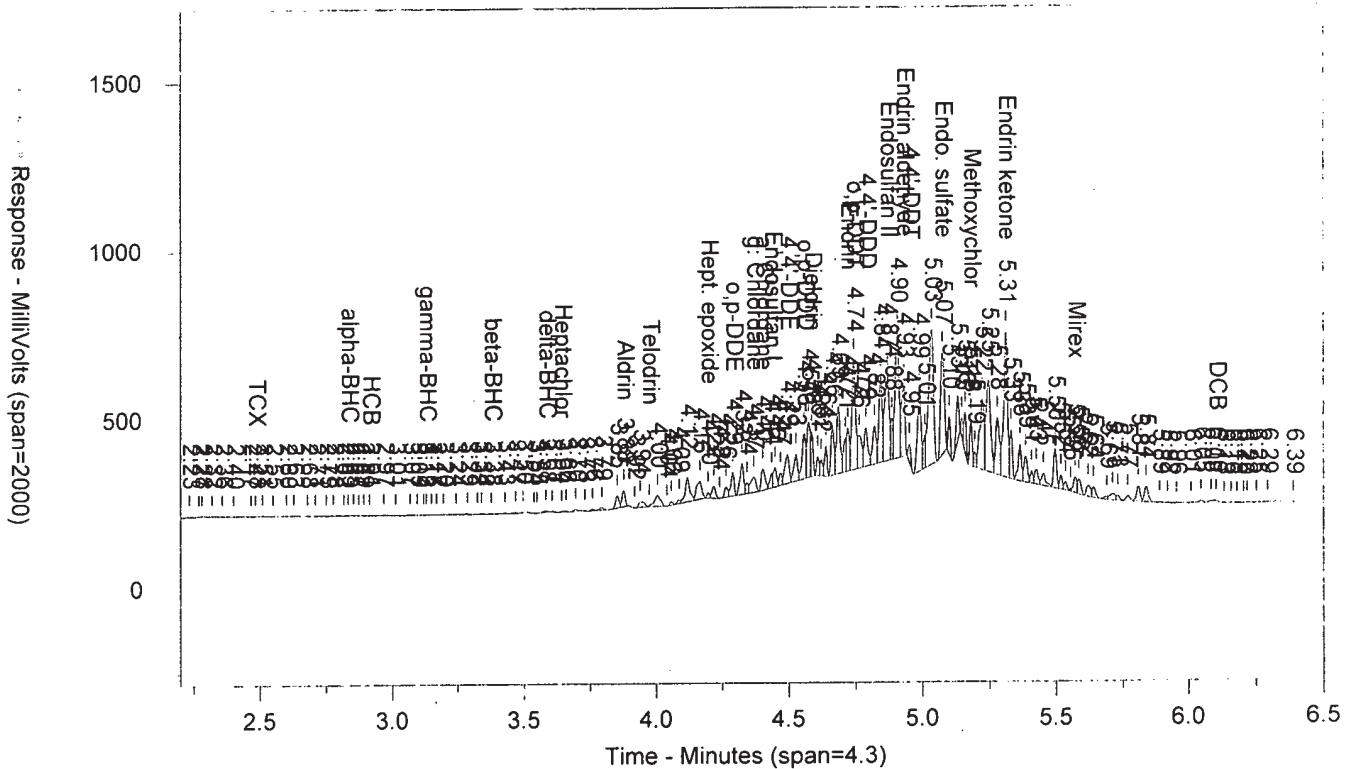
00177

SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: TOXA31824D AATOXA3AA ICAL 1827099999 00177 SW-846 8081A
 Injected On: 9/28/2018 7:34:23 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.901	783	.006	TCX	2.482	810	.007	TCX
2.243	771	.005	HCB	2.914	504	.004	HCB
2.33	1011	.005	alpha-BHC	2.834	643	.004	alpha-BHC
2.621	773	.004	gamma-BHC	3.129	600	.004	gamma-BHC
2.815	1974	.021	beta-BHC	3.377	972	-.414	beta-BHC
2.922	1967	.011	Heptachlor	3.642	1074	.007	Heptachlor
3.069	3154	.016	delta-BHC	3.582	3981	.021	delta-BHC
3.212	9763	.051	Aldrin	3.877	48511	.287	Aldrin
3.299	8312	.063	Telodrin		0		Telodrin
3.648	53994	.282	Hept. epoxide	4.196	16509	-.296	Hept. epoxide
3.818	37240	.185	g. Chlordane	4.369	45336	.287	g. Chlordane
3.898	20220	.101	a. Chlordane	4.402	63753	-.031	a. Chlordane
3.924	63427	.335	Endosulfan I	4.436	42854	-.087	Endosulfan I
4.052	131571	.671	4,4'-DDE	4.494	86917	.571	4,4'-DDE
4.126	243169	1.183	Dieldrin	4.584	131508	-.073	Dieldrin
4.163	90820	.772	o,p-DDD	4.556	133000	1.507	o,p-DDD
	0		o,p-DDE	4.29	70822	.71	o,p-DDE
4.31	174743	.944	Endrin	4.721	127725	.984	Endrin
4.34	216682	1.718	o,p-DDT	4.742	323536	3.346	o,p-DDT
4.413	554827	3.402	4,4'-DDD	4.788	114619	.917	4,4'-DDD
4.464	246397	1.333	Endosulfan II	4.869	248370	1.857	Endosulfan II
4.557	192098	1.267	4,4'-DDT	4.95	52610	.449	4,4'-DDT
4.612	489827	3.251	Endrin aldehyde	4.929	207607	1.879	Endrin aldehyde
4.718	221755	1.336	Endo. sulfate	5.072	300892	2.394	Endo. sulfate
4.911	201785	2.825	Methoxychlor	5.179	135094	2.5	Methoxychlor
5.044	119058	.610	Endrin ketone	5.31	428349	2.929	Endrin ketone
5.117	206492	1.584	Mirex	5.571	47575	.641	Mirex
5.582	17794	-1.051	DCB	6.103	2739	-2.351	DCB

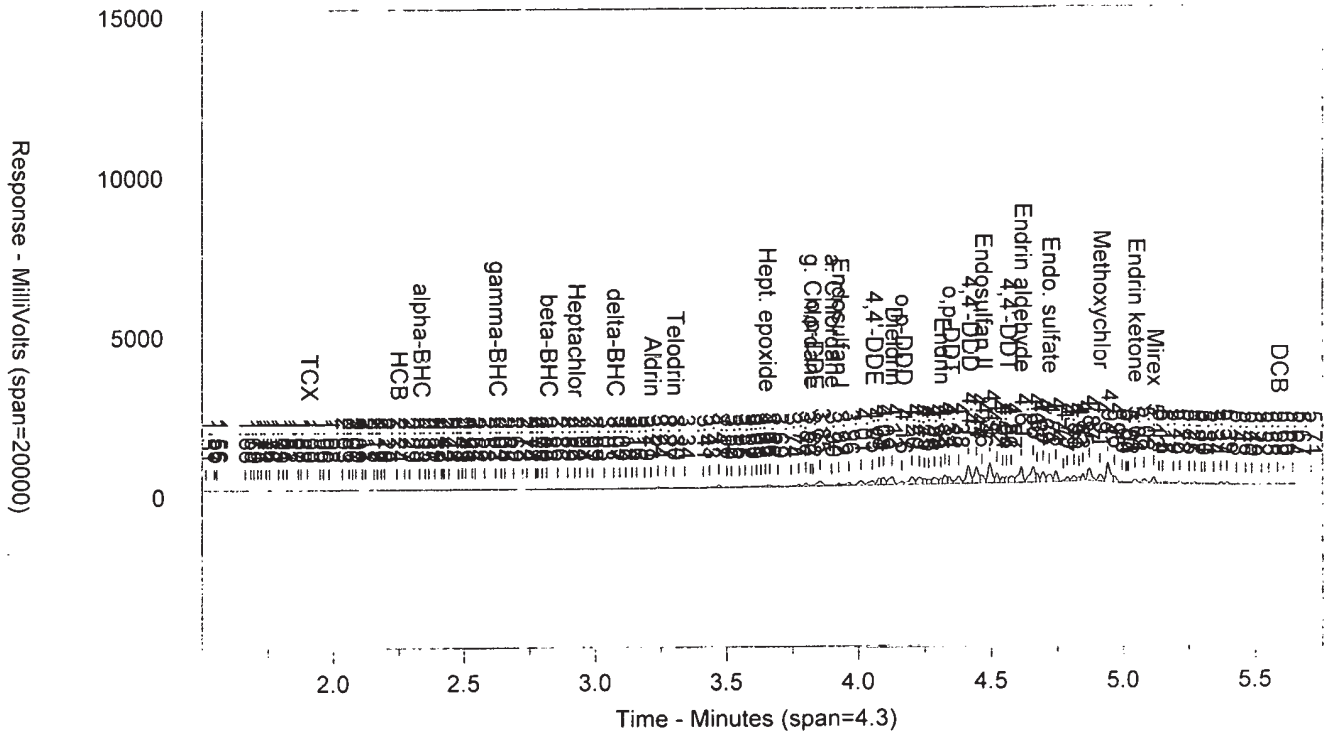
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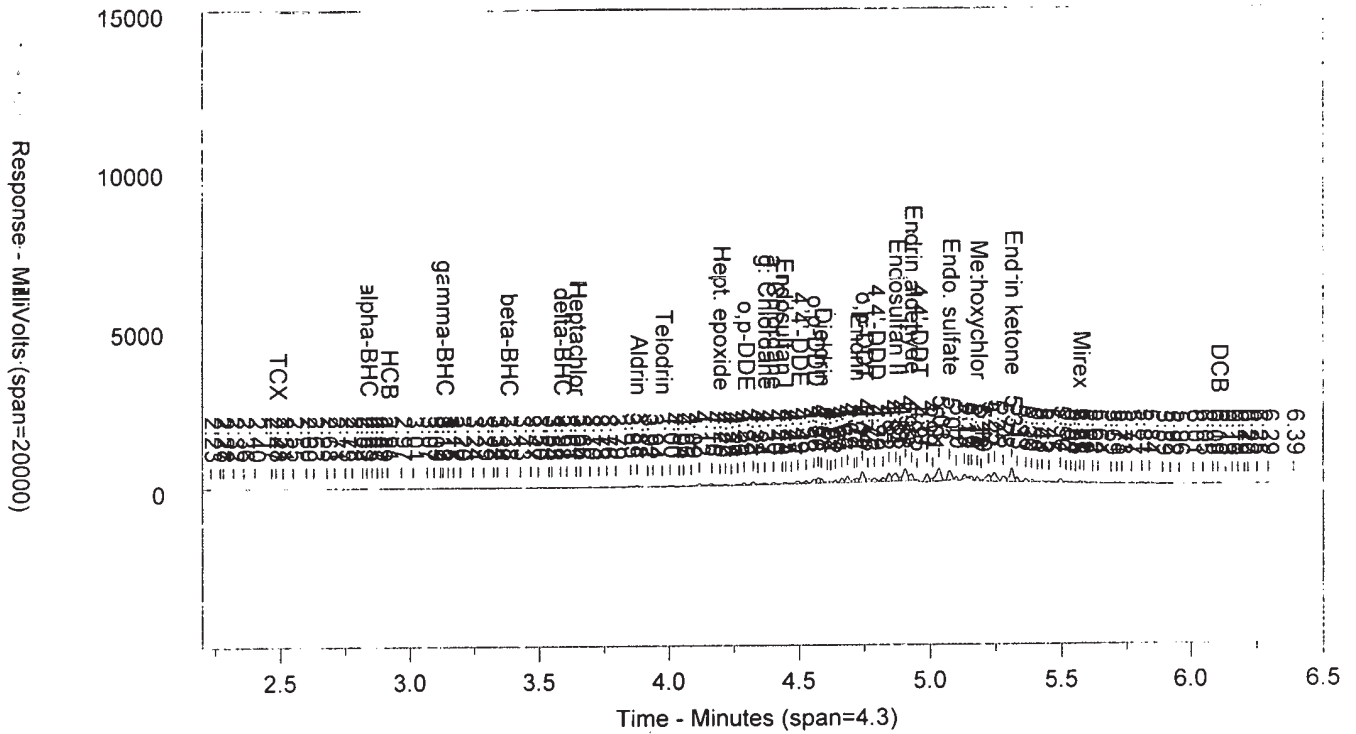
Chrom Perfect Chromatogram Report

TOXA31824D AATOXA3AA ICAL 1827099999 00177 SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: TOXA41824D AATOXA4AA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
Injected On: 9/28/2018 7:44:45 PM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Date File: 35pest18271001.021.RAW
Method File: 35PESTDI.MET
Calibration File: 35pest1827101.CAL

RT A	Compound A	Height A	Area A
.017		729	169
.057		674	264
.073		553	337
1.541		1093	365
1.587		1078	403
1.605		1035	430
1.637		1340	899
1.663		1850	1161
1.685		999	291
1.698		867	295
1.708		742	194
1.722		651	189
1.734		613	248
1.754		770	309
1.791		1454	1546
1.8		723	120
1.827		4408	5462
1.854		712	159
1.865		785	261
1.885		1339	1049
1.904	TCX	887	666
1.924		1286	354
1.939		761	274
1.948		882	233
1.971		594	210
1.992		982	344
2.034		4053	4754
2.071		818	319
2.085		1283	785
2.111		276	295
2.141		976	182
2.158		634	182
2.187		1046	358
2.204		992	330
2.217		625	131
2.244		529	125
2.26	HCB	802	373
2.275		623	354
2.283		1202	871
2.315	alpha-BHC	2275	2053
2.362		638	271
2.371		753	235
2.391		626	264
2.423		764	296
2.437		723	128
2.463		3497	4086
2.486		929	420
2.495		795	229
2.509		994	370
2.517		1101	271
2.545		888	803
2.579		7944	6671
2.599	gamma-BHC	1066	913
2.63		615	128

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
2.648		5319	5663
2.688		7248	6997
2.714		650	198
2.737		10178	10509
2.776		527	124
2.797		1782	1512
2.816	beta-BHC	5249	5034
2.858		15755	18627
2.918	Heptachlor	709	164
2.94		6500	5001
2.967		8910	8913
2.993		3213	3500
3.033		9077	9746
3.09	delta-BHC	10201	14127
3.117		11135	13650
3.158		11056	13262
3.191		1099	497
3.21	Aldrin	20439	19522
3.239		117506	122577
3.268		85535	84495
3.3	Telodrin	19288	20249
3.343		58052	137237
3.411		21993	15244
3.434		82346	94658
3.47		177645	222879
3.5		32162	24569
3.519		17866	12100
3.548		17347	17243
3.57		72197	85285
3.597		21856	15335
3.614		69808	64987
3.63		83811	59820
3.647	Hept. epoxide	128746	119455
3.662		135836	158549
3.692		67233	92168
3.744		45298	62268
3.772		144576	154795
3.799		210310	225455
3.817	g. Chlordane	85139	56283
3.853		357823	565204
3.885	a. Chlordane	29030	13157
3.897		47486	37841
3.924	Endosulfan I	144957	190943
3.945		106785	62395
3.963		206159	237103
4.009		303755	406429
4.051	4,4'-DDE	289230	423948
4.076		481412	417468
4.091		507959	505820
4.125	Dieldrin	531439	762776
4.162	o,p-DDD	200940	231774
4.199		531709	757174
4.227		472843	647444
4.248		383524	298425
4.264		329478	349478
4.283		469348	601254
4.31	Endrin	387871	272248
4.324		617649	551460
4.34	o,p-DDT	492633	444289
4.376		505871	655899
4.412	4,4'-DDD	1250104	1382676
4.443		1152469	1408041
4.463	Endosulfan II	536262	467929
4.493		1422871	1518483
4.52		697493	542908
4.541		393683	313972

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
4.556	4,4'-DDT	433804	374205
4.573		448576	548631
4.612	Endrin aldehyde	1142486	1272931
4.657		1139051	1527002
4.671		626056	427712
4.694		748310	703826
4.718	Endo. sulfate	503246	646862
4.742		791094	650485
4.77		112439	68891
4.786		320669	248000
4.81		359914	373751
4.827		253431	201374
4.844		485477	309818
4.867		884467	974794
4.909		457809	557295
4.939	Methoxychlor	1364224	1498662
4.964		436324	348463
4.994		94273	56895
5.009		40548	19432
5.016		42673	27094
5.043	Endrin ketone	269058	293970
5.079		296655	314135
5.116	Mirex	442837	369548
5.137		89315	56225
5.15		105480	177173
5.19		94100	53417
5.215		163180	182271
5.25		99389	88057
5.27		116177	124433
5.308		78692	146584
5.341		61842	40819
5.37		178019	124986
5.392		182352	154886
5.429		46332	43127
5.461		15390	12853
5.486		10210	8773
5.521		9081	5067
5.548		21564	21392
5.582	DCB	40761	38292
5.604		14739	9423
5.625		4391	2376
5.666		7633	9457
5.721		2157	1691
5.749		692	120
5.79		710	174
5.836		2224	1724
5.879		812	377
5.907		3394	7216
5.981		1325	4067
6.022		977	658
6.035		717	348
6.063		683	133
6.071		869	199
6.081		695	401
6.109		674	134
6.159		2077	2057
6.18		754	128
6.201		775	575
6.213		1103	554
6.257		565	269
6.266		733	252
6.274		907	643
6.308		840	236
6.337		758	453
6.368		540	159
6.394		550	92

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
6.44		828	258
6.452		403	158
6.47		684	246
6.522		655	108
6.533		641	113
6.554		480	289
6.584		847	125
6.597		501	112
6.609		575	125
6.661		877	218
6.697		653	411
6.711		706	112
6.718		876	255
6.734		666	149
6.761		1019	471
6.771		1074	241
6.78		939	343
6.815		693	245
6.841		875	314
6.874		499	186
6.887		794	189
6.893		773	288
6.908		696	197
6.914		741	133
6.923		810	206
6.955		524	155
6.978		795	445
7		812	147
7.007		806	315
7.021		663	153
7.034		606	134
7.072		740	195
7.089		425	206
7.097		710	330
7.123		1035	393
7.158		449	116
7.173		764	179
7.212		887	209
7.223		724	463
7.267		571	174
7.292		714	221
7.309		654	110

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: TOXA41824D AATOXA4AA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
Injected On: 9/28/2018 7:44:45 PM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Data File: 35pest18271001B.021.RAW
Method File: 35PESTDIB.MET
Calibration File: 35pest1827101b.CAL

RT B	Compound B	Height B	Area B
.01		635	132
.039		767	250
.054		384	110
1.511		344	70
1.518		610	160
1.542		817	282
1.584		1116	591
1.598		695	339
1.694		941	550
1.733		10382	12714
1.77		13925	7853
1.778		15581	12216
1.879		786	408
1.926		1118	1252
1.954		1856	1734
1.986		2578	3069
2.028		2389	3076
2.058		851	263
2.084		1042	1293
2.1		595	215
2.153		1557	1463
2.207		1187	1286
2.239		2460	2582
2.291		3532	5019
2.33		1110	1286
2.379		643	238
2.46		492	133
2.496	TCX	528	422
2.518		2544	2530
2.571		363	98
2.583		615	102
2.632		473	91
2.654		598	147
2.663		655	233
2.686		647	334
2.708		536	133
2.728		789	499
2.759		537	232
2.781		404	126
2.8		658	452
2.839	alpha-BHC	1301	967
2.86		2798	2312
2.894		2069	2397
2.93	HCB	407	240
2.951		890	795
2.978		1926	1948
3.01		758	552
3.036		922	885
3.076		610	157
3.098		674	215
3.142	gamma-BHC	542	466
3.211		489	182
3.233		383	135
3.258		1236	906

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
3.292		5931	5837
3.346		5028	7555
3.381	beta-BHC	1749	1395
3.406		1324	1189
3.436		3830	3464
3.472		7293	7775
3.511		1163	1243
3.56		811	477
3.584	delta-BHC	9682	11401
3.615		4331	3599
3.647	Heptachlor	4087	2350
3.664		5969	3757
3.702		10874	10549
3.721		929	209
3.736		4776	2795
3.765		11178	9980
3.801		14382	19003
3.859		83023	72359
3.883	Aldrin	104113	89233
3.902		3818	1561
3.92		1501	688
3.947		37883	55395
4.01		73072	121337
4.063		22377	17849
4.091		22438	19388
4.123		163243	190639
4.17	Hept. epoxide	112751	158568
4.202		28936	20287
4.224		71037	70717
4.27		71778	64258
4.295	o,p-DDE	163078	136045
4.33		210570	201282
4.348		68532	54582
4.376	g. Chlordane	101575	129733
4.408	a. Chlordane	149295	148630
4.443	Endosulfan I	93170	74027
4.454		122463	101358
4.475		75891	57603
4.499	4,4'-DDE	196121	216952
4.531		175980	177105
4.562	o,p-DDD	304893	280456
4.579		364219	303161
4.59	Dieldrin	292840	178558
4.613		134378	85780
4.627		113488	76833
4.644		188941	125597
4.668		311396	255701
4.69		434164	417474
4.716		224545	142391
4.726	Endrin	280967	221999
4.748	o,p-DDT	735108	702715
4.767		228022	240079
4.794	4,4'-DDD	245040	251735
4.825		250154	249436
4.848		550109	471506
4.874	Endosulfan II	560549	676286
4.89		261506	137607
4.91		874982	892734
4.934	Endrin aldehyde	459984	435221
4.955	4,4'-DDT	126009	81586
4.994		582430	531294
5.013		209777	136678
5.038		923959	1103896
5.077	Endo. sulfate	661022	656549
5.103		239757	136748
5.136		287232	195943

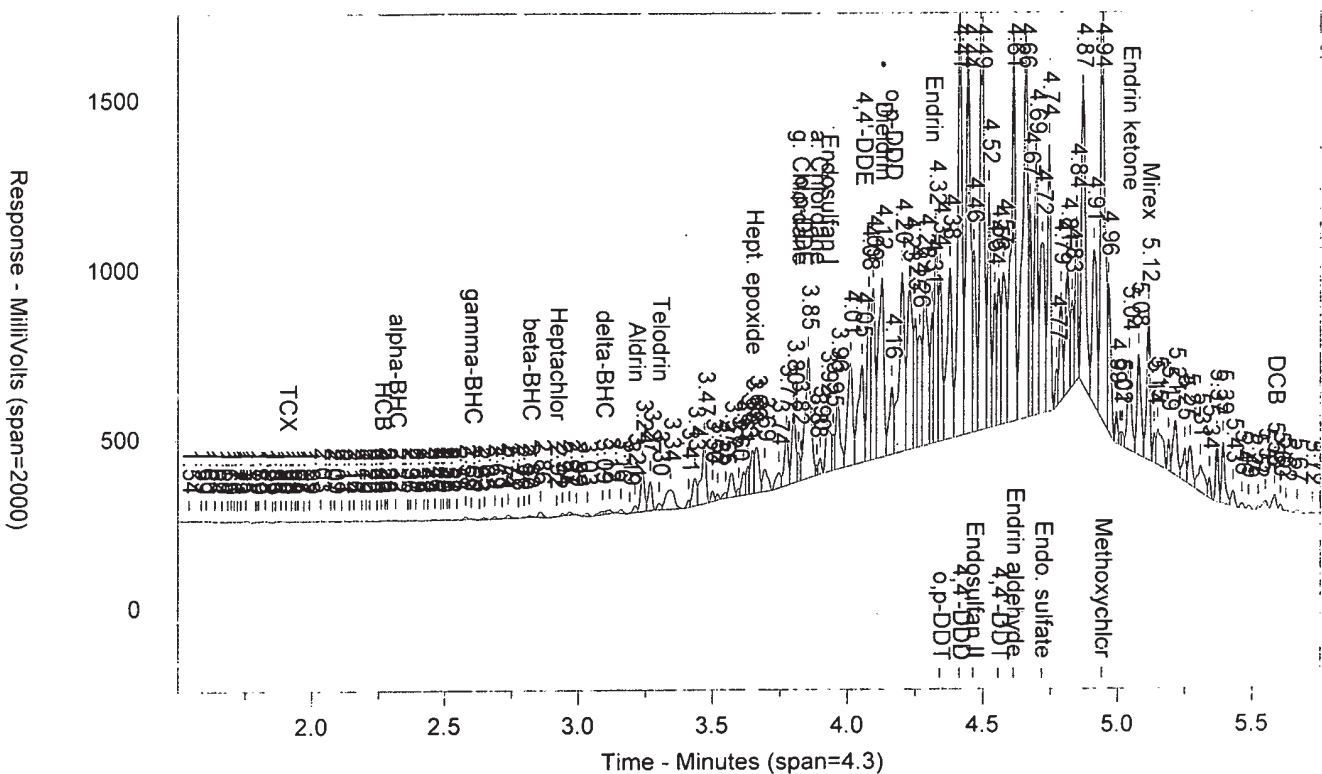
Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
5.15		121761	57477
5.162		245144	149270
5.184	Methoxychlor	299358	208964
5.199		109507	67548
5.229		466962	567953
5.251		610526	717742
5.285	Endrin ketone	366545	387956
5.316		958871	967040
5.335		317315	213798
5.369		233805	196637
5.392		166577	159223
5.413		74974	55815
5.431		97286	92865
5.457		80095	86601
5.501		254503	202605
5.522		88928	64505
5.54		48655	37415
5.561		20196	9206
5.575	Mirex	103362	81501
5.591		102064	85075
5.627		72393	81236
5.644		68875	63972
5.689		16605	10465
5.719		42046	67968
5.737		33521	25310
5.775		34313	38421
5.816		100763	97729
5.844		100189	107687
5.896		6833	6861
5.927		5526	4764
5.962		2607	1883
6.019		3834	4494
6.05		14597	14642
6.089		6782	6116
6.106	DCB	5898	4880
6.141		1942	1396
6.162		1122	623
6.188		2729	2463
6.254		485	171
6.26		745	348
6.285		620	285
6.301		467	154
6.314		657	389
6.351		564	123
6.389		608	260
6.416		579	152
6.43		470	160
6.489		522	124
6.583		489	194
6.622		669	384
6.645		327	316
6.673		563	146
6.695		425	229
6.703		685	554
6.793		654	203
6.807		777	225
6.815		631	282
6.832		898	619
6.887		523	186
6.915		888	255
6.974		847	1225
6.996		596	181
7.021		614	321
7.036		638	169
7.047		544	183
7.074		436	113

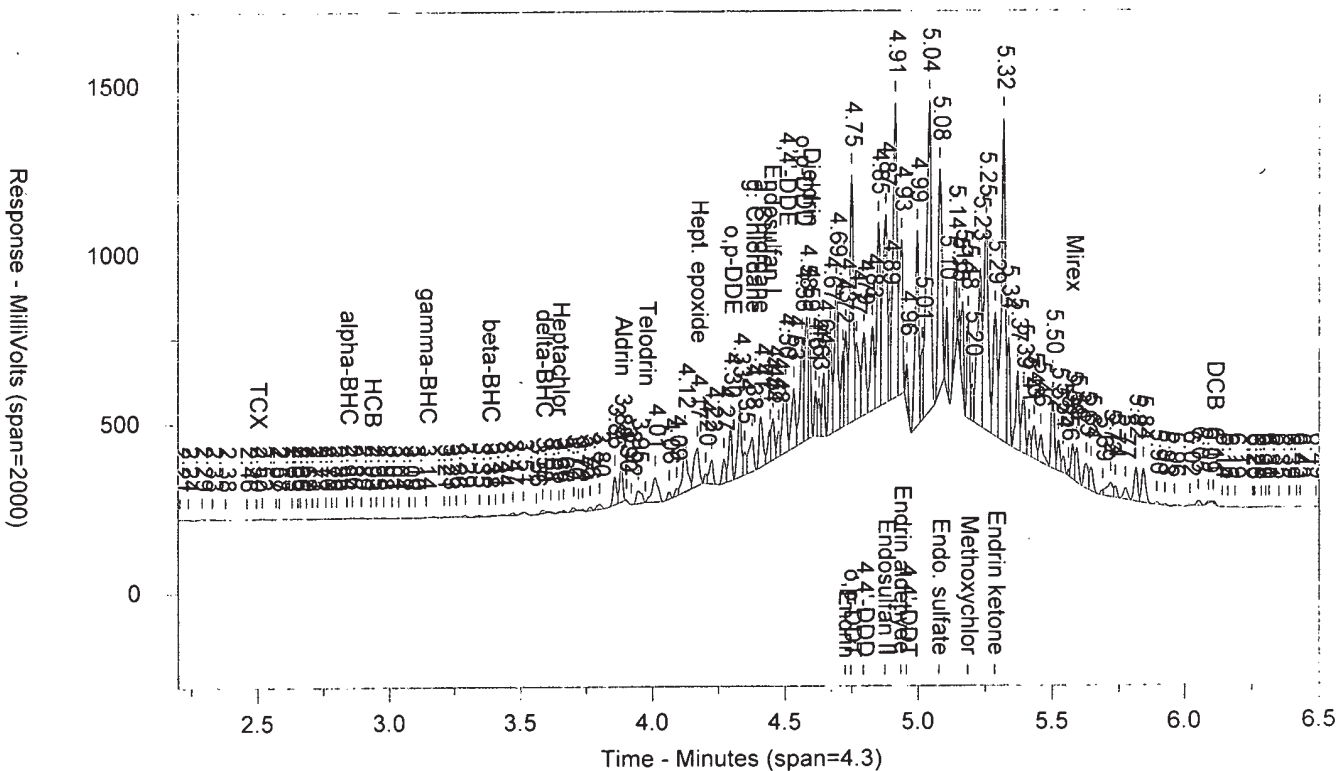
Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
7.087		653	195
7.183		441	155
7.215		938	326
7.227		672	180
7.254		361	157
7.261		578	174
7.299		510	94
7.306		698	236

TOXA41824D AATOXA4AA ICAL 1827099999 00177 SW-846 8081A
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\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.021.RAW



Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: TOXA41824D AATOXA4AA ICAL 1827099999 00177 SW-846 8081A
 Injected On: 9/28/2018 7:44:45 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.904	887	.007	TCX	2.496	528	.004	TCX
2.26	802	.005	HCB	2.93	407	.003	HCB
2.315	2275	.01	alpha-BHC	2.839	1301	.007	alpha-BHC
2.599	1066	.005	gamma-BHC	3.142	542	.004	gamma-BHC
2.816	5249	.056	beta-BHC	3.381	1749	-.403	beta-BHC
2.918	709	.004	Heptachlor	3.647	4087	.026	Heptachlor
3.09	10201	.051	delta-BHC	3.584	9682	.051	delta-BHC
3.21	20439	.108	Aldrin	3.883	104113	.616	Aldrin
3.3	19288	.147	Telodrin		0		Telodrin
3.647	128746	.672	Hept. epoxide	4.17	112751	.42	Hept. epoxide
3.817	85139	.422	g. Chlordane	4.376	101575	.643	g. Chlordane
3.885	29030	.145	a. Chlordane	4.408	149295	.635	a. Chlordane
3.924	144957	.765	Endosulfan I	4.443	93170	.298	Endosulfan I
4.051	289230	1.475	4,4'-DDE	4.499	196121	1.289	4,4'-DDE
4.125	531439	2.586	Dieldrin	4.59	292840	1.14	Dieldrin
4.162	200940	1.707	o,p-DDD	4.562	304893	3.455	o,p-DDD
	0		o,p-DDE	4.295	163078	1.634	o,p-DDE
4.31	387871	2.096	Endrin	4.726	280967	2.165	Endrin
4.34	492633	3.905	o,p-DDT	4.748	735108	7.602	o,p-DDT
4.412	1250104	7.865	4,4'-DDD	4.794	245040	1.961	4,4'-DDD
4.463	536262	2.902	Endosulfan II	4.874	560549	4.191	Endosulfan II
4.556	433804	2.862	4,4'-DDT	4.955	126009	1.077	4,4'-DDT
4.612	1142486	7.582	Endrin aldehyde	4.934	459984	4.162	Endrin aldehyde
4.718	503246	3.032	Endo. sulfate	5.077	661022	5.259	Endo. sulfate
4.939	1364224	19.102	Methoxychlor	5.184	299358	5.54	Methoxychlor
5.043	269058	1.308	Endrin ketone	5.285	300545	2.408	Endrin ketone
5.116	442837	3.397	Mirex	5.575	103362	1.393	Mirex
5.582	40761	-.854	DCB	6.106	5898	-2.289	DCB

Files:

Area File: 35pest18271001.021.RAW
 Area File: 35pest18271001B.021.RAW
 Method A: 35PESTDI.MET
 Method B: 35PESTDIB.MET
 Calibration File A: 35pest1827101.CAL
 Calibration File B: 35pest1827101b.CAL
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 Format B: pestD35.FMTA
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 File Reported On: 10/3/2018 at 7:07:44 PM

Chrom Perfect Chromatogram Report

TOXA41824D

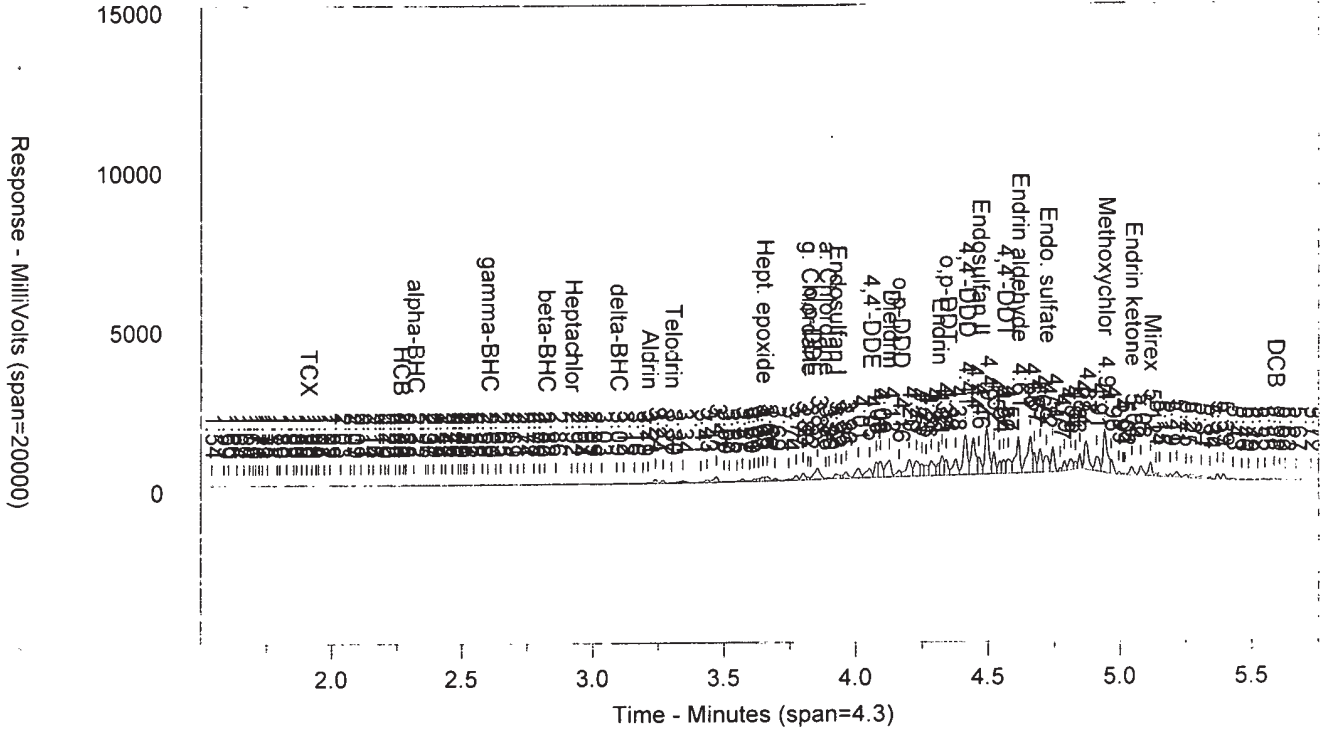
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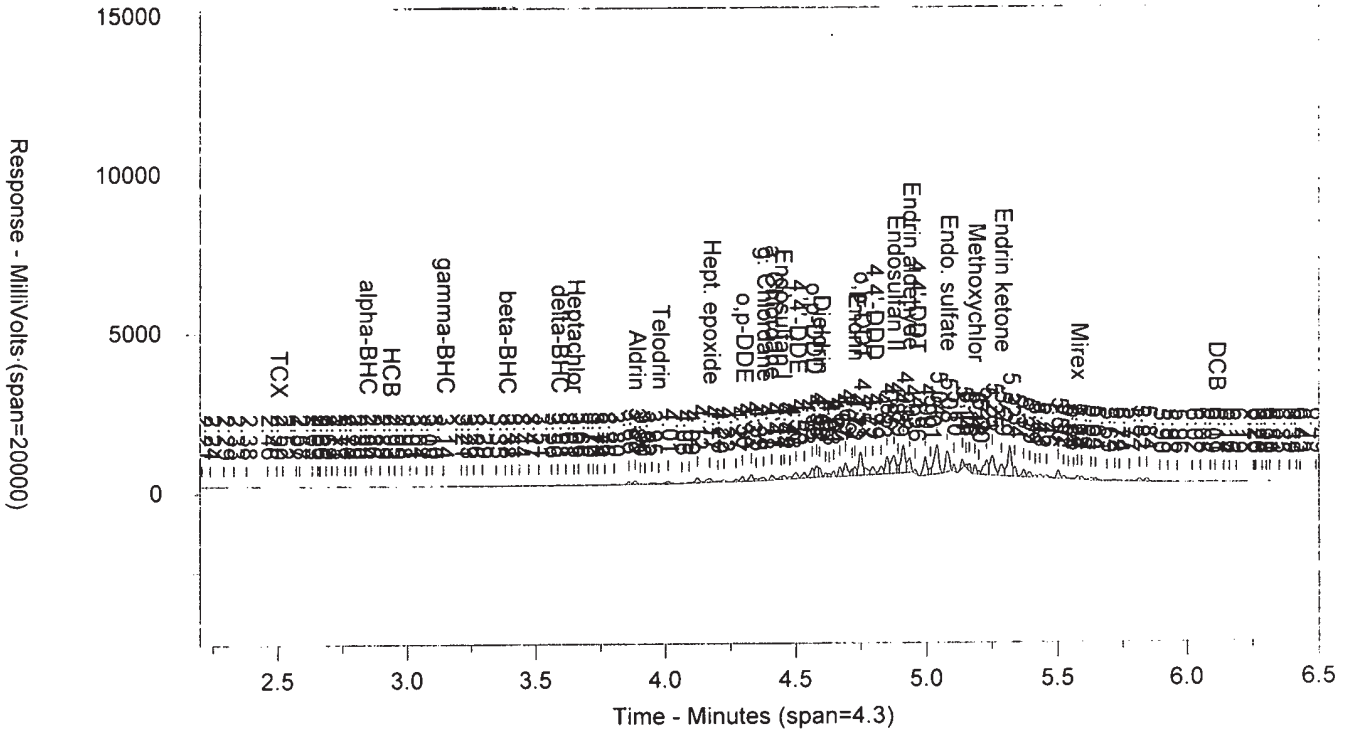
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: TOXA51824D AATOXA5AA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
Injected On: 9/28/2018 7:55:14 PM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Date File: 35pest18271001.022.RAW
Method File: 35PESTDI.MET
Calibration File: 35pest1827101.CAL

RT A	Compound A	Height A	Area A
.017		389	144
.048		819	359
.07		1374	532
.079		1180	674
1.506		887	342
1.543		1470	1135
1.585		1228	579
1.603		1621	1076
1.636		870	242
1.653		561	165
1.689		1004	484
1.722		708	263
1.757		6775	6421
1.797		719	1684
1.826		7265	7919
1.864		1021	464
1.878		871	289
1.885		1398	370
1.921	TCX	699	107
1.949		633	176
1.978		259	260
1.988		885	199
2.033		7683	8978
2.058		791	194
2.069		903	136
2.082		1981	1565
2.117		824	365
2.157		1909	2127
2.195		686	480
2.247		470	216
2.252	HCB	965	255
2.277		3573	4981
2.314	alpha-BHC	4099	3371
2.365		2726	1904
2.381		1110	700
2.396		1645	540
2.425		1373	1253
2.461		6761	7719
2.491		2067	1401
2.501		2082	990
2.539		1002	533
2.577		14507	13035
2.598	gamma-BHC	2334	2375
2.646		11530	13060
2.685		7483	6864
2.709		764	355
2.716		1051	245
2.737		16942	17716
2.795		3197	2503
2.814	beta-BHC	9180	6684
2.833		987	243
2.856		27137	33025
2.941		13047	10719
2.966		17174	16949

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
2.992		5655	4976
3.031		17235	17814
3.093		17083	27107
3.114		20785	30489
3.158		20992	23288
3.211	Aldrin	40982	43164
3.238		228468	238269
3.267		165471	161660
3.299	Telodrin	29667	30010
3.339		110346	259161
3.411		39460	31176
3.434		159398	175797
3.469		329598	421532
3.499		58606	43950
3.517		33277	23259
3.546		36494	32572
3.569		137594	157015
3.595		42513	25711
3.613		126282	118339
3.629		159179	126446
3.647	Hept. epoxide	228261	210732
3.662		251799	294227
3.691		117555	162929
3.741		89853	111277
3.772		286105	301722
3.799		392140	423723
3.816	g. Chlordane	154671	109844
3.853		656642	1056744
3.881	a. Chlordane	61114	29234
3.896		83703	66533
3.923	Endosulfan I	268296	348855
3.944		203951	119429
3.961		391670	448091
4.008		555156	766012
4.051	4,4'-DDE	564103	797442
4.075		897898	784861
4.09		961018	953537
4.123	Dieldrin	992859	1431554
4.161	o,p-DDD	368481	430355
4.199		1004231	1414405
4.225		925697	1226485
4.246		726436	561324
4.263		634451	628366
4.282		893025	1159944
4.308		752453	556528
4.323	Endrin	1170794	1077759
4.339	o,p-DDT	960779	824970
4.375		989073	1241489
4.411	4,4'-DDD	2430808	2636078
4.442		2269311	2577828
4.462		1014283	985707
4.493	Endosulfan II	2766817	2916648
4.519		1308015	1026446
4.54		783117	639809
4.555	4,4'-DDT	826544	679900
4.573		846963	1047344
4.611	Endrin aldehyde	2183419	2437718
4.656		2220813	2938363
4.67		1199409	814619
4.693		1376505	1333170
4.718	Endo. sulfate	966169	1268089
4.741		1563397	1278885
4.77		209629	131667
4.785		622683	466543
4.809		690159	703736
4.827		451766	370876

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
4.844		946280	565823
4.868		1667857	1805725
4.908		873349	1060265
4.938	Methoxychlor	2748123	2907811
4.962		821840	661360
4.993		174651	106449
5.016		88412	97530
5.043	Endrin ketone	507945	576512
5.079		578355	630782
5.115	Mirex	853585	722785
5.136		182605	120774
5.15		217881	186165
5.16		204078	214028
5.19		201039	137811
5.214		329352	395042
5.25		205917	199934
5.268		234263	251232
5.295		92728	57564
5.307		157595	252222
5.341		126248	84917
5.369		335817	241768
5.392		342258	304929
5.427		92683	83152
5.46		30218	23907
5.485		20312	17147
5.521		17319	9514
5.647		39500	39798
5.582	DCB	75766	72487
5.603		29282	18051
5.625		9842	5202
5.641		2554	802
5.665		10730	8054
5.719		4246	4146
6.752		4246	2899
5.775		1547	775
5.834		4924	4052
5.879		1118	501
5.893		813	125
5.91		2624	2471
5.962		832	939
5.979		1105	918
5.998		833	331
6.012		429	88
6.021		876	256
6.05		774	139
6.063		875	143
6.074		731	375
6.087		502	89
6.124		1011	850
6.159		588	412
6.201		793	285
6.231		548	172
6.256		687	132
6.263		586	223
6.282		689	120
6.291		571	261
6.314		903	202
6.322		811	228
6.333		881	446
6.366		810	465
6.384		828	264
6.404		821	498
6.442		752	177
6.455		843	232
6.472		590	111
6.486		438	118

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
6.499		728	259
6.51		764	191
6.544		735	194
6.569		669	183
6.581		794	397
6.607		956	226
6.628		758	333
6.653		747	234
6.678		1027	466
6.701		954	379
6.748		700	303
6.782		740	408
6.8		723	293
6.822		1155	671
6.87		994	128
6.885		763	216
6.901		453	183
6.94		911	412
6.952		1180	546
6.991		677	354
7.038		837	211
7.044		534	111
7.07		568	376
7.091		750	207
7.111		780	311
7.132		747	326
7.167		658	167
7.189		603	181
7.221		995	394
7.267		699	562
7.282		835	244
7.296		950	358
7.322		605	192

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: TOXA51824D AATOXA5AA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
Injected On: 9/28/2018 7:55:14 PM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Data File: 35pest18271001B.022.RAW
Method File: 35PESTDIB.MET
Calibration File: 35pest1827101b.CAL

RT B	Compound B	Height B	Area B
.061		573	169
.078		566	190
1.523		1930	2370
1.54		1879	1694
1.567		1520	576
1.583		1672	1101
1.606		2276	1426
1.619		2043	1426
1.648		573	254
1.706		2282	2932
1.732		9593	12255
1.776		30833	40157
1.851		606	514
1.925		1872	2265
1.957		2956	4661
1.985		3199	4242
2.029		3469	4818
2.077		2357	2548
2.107		2421	2459
2.152		4991	8399
2.2		624	204
2.241		3577	3118
2.288		6676	8849
2.327		1956	2108
2.358		621	221
2.371		647	261
2.424		1638	1609
2.516		5723	6998
2.596		679	320
2.635		1388	1278
2.659		566	161
2.728		716	547
2.757		1607	1356
2.789		626	402
2.8		969	425
2.837	alpha-BHC	3102	2736
2.869		499	92
2.876		442	93
2.894		4609	4906
2.929	HCB	370	148
2.943		1328	779
2.978		3232	2395
3.014		523	170
3.033		1604	1124
3.061		594	138
3.094		485	451
3.138	gamma-BHC	685	744
3.174		2211	2003
3.209		2027	1454
3.243		556	482
3.26		2143	1319
3.289		11298	11208
3.345		10628	15375
3.385	beta-BHC	1518	1842

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
3.404		2091	1681
3.434		7146	6112
3.471		11942	11696
3.514		15673	24399
3.582	delta-BHC	3758	2898
3.614		7232	6610
3.647	Heptachlor	10821	8202
3.664		16006	12920
3.7		20142	19551
3.735		9823	6633
3.763		20766	18433
3.798		25353	34081
3.857		152164	133957
3.881	Aldrin	196771	169261
3.903		7713	3493
3.921		4306	1608
3.944		7726	8561
4.008		131955	216974
4.044		2137	595
4.062		44156	33057
4.09		42956	30820
4.122		291878	350479
4.169	Hept. epoxide	205003	284183
4.202		55634	41625
4.222		143965	135524
4.269		137522	121569
4.294	o,p-DDE	289713	251105
4.329		398000	373665
4.349		138808	109705
4.375	g. Chlordane	178208	250947
4.408	a. Chlordane	263951	277024
4.442	Endosulfan I	183984	141512
4.453		219956	190856
4.474		146930	101967
4.499	4,4'-DDE	353774	406715
4.531		337539	339612
4.561	o,p-DDD	579553	521320
4.577		701743	567269
4.588	Dieldrin	538024	328591
4.612		235068	155420
4.625		207773	142886
4.643		361460	237536
4.668		627448	496790
4.689		815884	792248
4.725	Endrin	539526	685659
4.747	o,p-DDT	1422241	1308783
4.765		442666	488597
4.793	4,4'-DDD	479190	480237
4.824		462146	451614
4.848		1060334	830974
4.873	Endosulfan II	1079709	1286170
4.889		491897	295799
4.91		1599477	1686051
4.933	Endrin aldehyde	902497	830293
4.954	4,4'-DDT	223740	142415
4.993		1105219	1015363
5.012		398050	221588
5.038		1727563	2113955
5.077	Endo. sulfate	1260172	1236921
5.103		452581	255626
5.135		540310	382132
5.15		209774	108375
5.162		500526	307214
5.184	Methoxychlor	575573	373482
5.199		205851	131907
5.228		866587	1040446

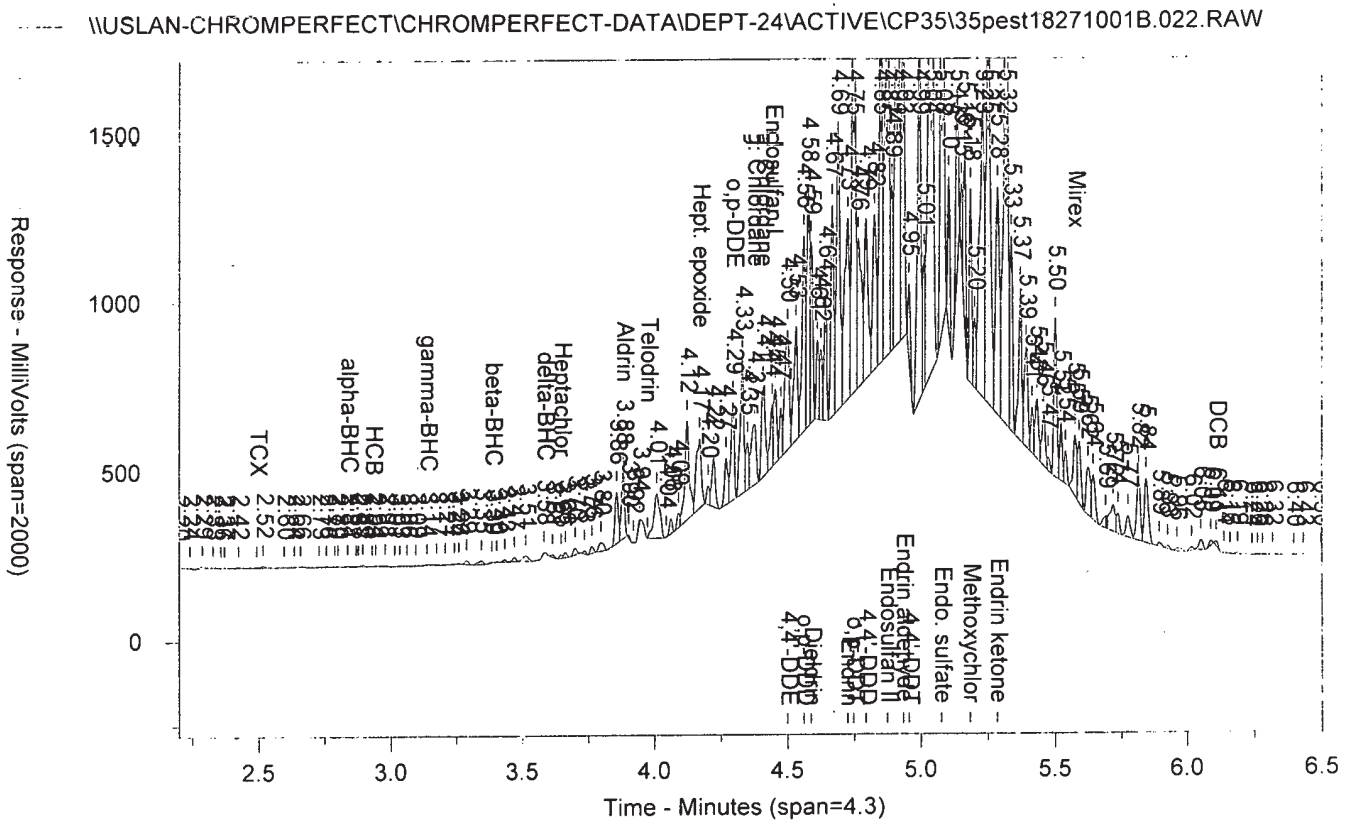
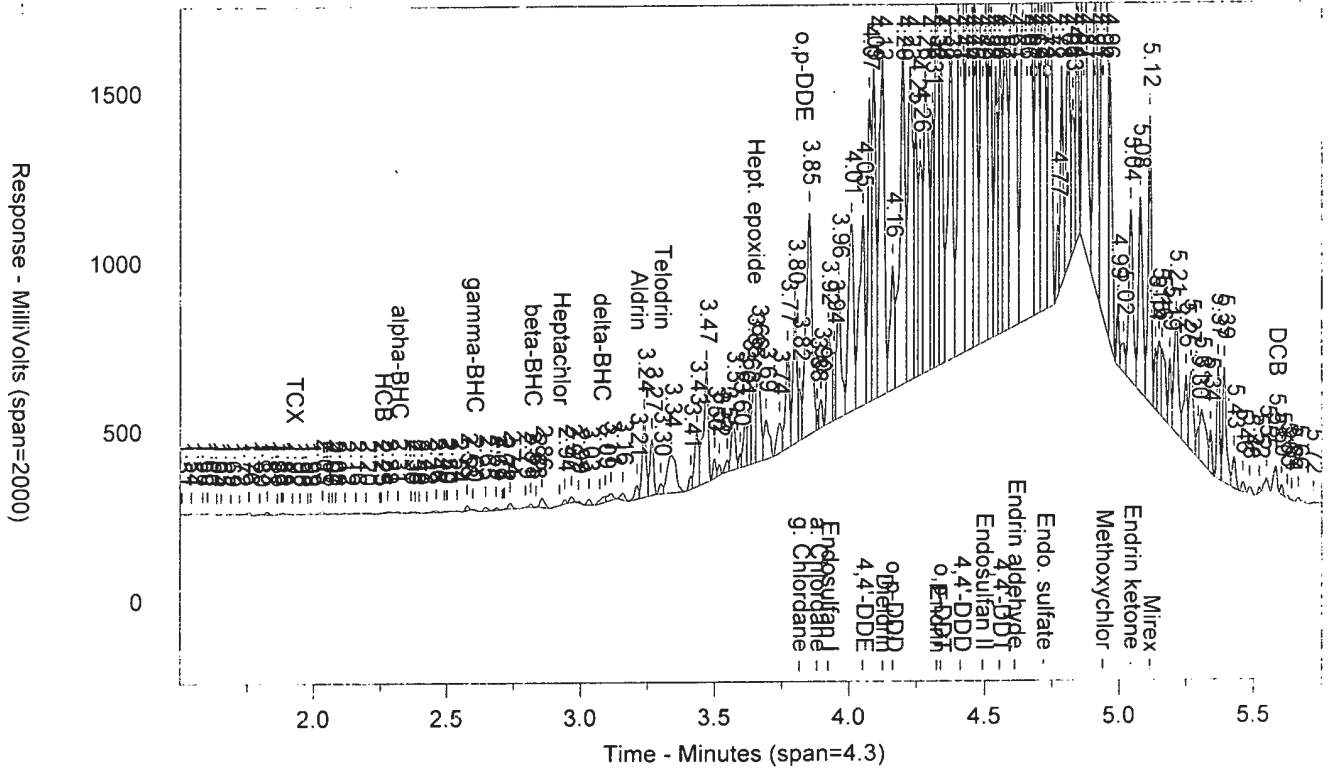
Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
5.25		1141463	1334980
5.284	Endrin ketone	675502	699021
5.315		1815300	1794727
5.335		576401	391271
5.369		450662	359006
5.39		294613	279437
5.413		135505	94058
5.431		177608	163106
5.457		152335	139711
5.474		39212	25787
5.5		472007	373722
5.522		172095	114196
5.539		96983	65570
5.575	Mirex	179957	164089
5.591		183309	153577
5.624		140556	160887
5.643		132484	117382
5.69		34566	29351
5.719		79413	110920
5.737		61117	45257
5.774		63083	71367
5.815		191859	184617
5.843		189832	202601
5.894		12065	11323
5.926		8983	6901
5.961		7651	12569
6.016		9052	9437
6.051		29667	29655
6.088		14948	12639
6.108	DCB	14154	11025
6.138		3267	2362
6.16		1534	841
6.188		4817	4662
6.242		808	157
6.262		2079	1896
6.28		729	484
6.317		4783	5960
6.397		784	299
6.432		662	406
6.496		1289	798
6.531		756	290
6.55		657	201
6.575		402	80
6.62		559	270
6.635		535	160
6.658		498	188
6.676		397	184
6.694		645	156
6.748		664	332
6.789		621	326
6.811		459	110
6.818		736	202
6.868		433	223
6.898		874	372
6.985		1294	2242
6.996		470	157
7.019		515	90
7.042		504	120
7.057		676	188
7.073		676	149
7.081		561	152
7.14		579	350
7.164		462	408
7.188		613	144
7.205		704	248
7.217		606	163

Chrom Perfect Chromatogram Report

RT.B	Compound B	Height B	Area B
7.263		1027	463

TOXA51824D AATOXA5AA ICAL 1827099999 00177 SW-846 8081A
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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: TOXA51824D AATOXA5AA ICAL 1827099999 00177 SW-846 8081A
 Injected On: 9/28/2018 7:55:14 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

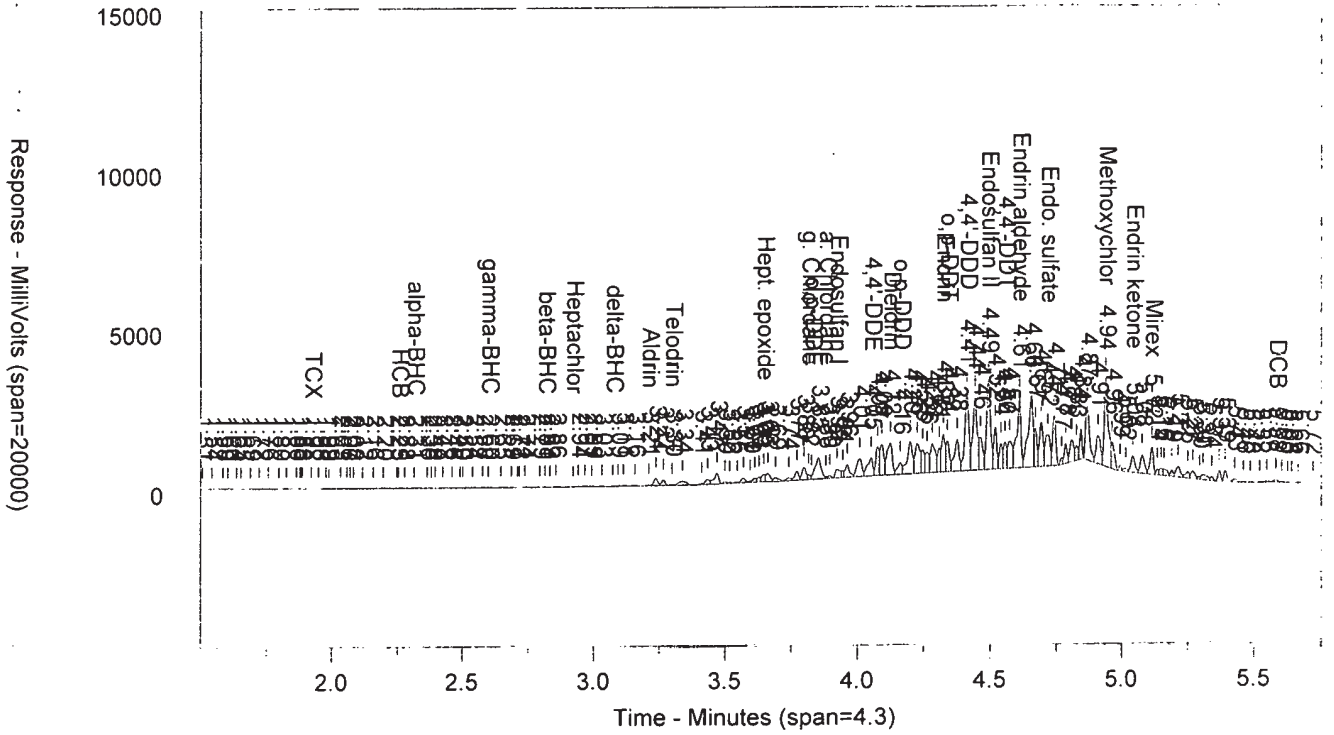
RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.921	699	.005	TCX		0		TCX
2.252	965	.006	HCB	2.929	370	.003	HCB
2.314	4099	.019	alpha-BHC	2.837	3102	.018	alpha-BHC
2.598	2334	.012	gamma-BHC	3.138	685	.004	gamma-BHC
2.814	9180	.098	beta-BHC	3.385	1518	-.407	beta-BHC
3.211	40982	.216	Aldrin	3.881	196771	1.164	Aldrin
3.299	29667	.226	Telodrin		0		Telodrin
	0		delta-BHC	3.582	3758	.02	delta-BHC
	0		Heptachlor	3.647	10821	.068	Heptachlor
3.647	228261	1.192	Hept. epoxide	4.169	205003	1.107	Hept. epoxide
3.816	154671	.767	g. Chlordane	4.375	178208	1.128	g. Chlordane
3.881	61114	.306	a. Chlordane	4.408	263951	1.528	a. Chlordane
3.923	268296	1.416	Endosulfan I	4.442	183984	.992	Endosulfan I
4.051	564103	2.876	4,4'-DDE	4.499	353774	2.325	4,4'-DDE
4.123	992859	4.831	Dieldrin	4.588	538024	2.985	Dieldrin
4.161	368481	3.13	o,p-DDD	4.561	579553	6.567	o,p-DDD
	0		o,p-DDE	4.294	289713	2.902	o,p-DDE
4.323	1170794	6.328	Endrin	4.725	539526	4.158	Endrin
4.339	960779	7.616	o,p-DDT	4.747	1422241	14.707	o,p-DDT
4.411	2430808	14.904	4,4'-DDD	4.793	479190	3.835	4,4'-DDD
4.493	2766817	14.973	Endosulfan II	4.873	1079709	8.072	Endosulfan II
4.555	826544	5.452	4,4'-DDT	4.954	223740	1.911	4,4'-DDT
4.611	2183419	14.49	Endrin aldehyde	4.933	902497	8.166	Endrin aldehyde
4.718	966169	5.821	Endo. sulfate	5.077	1260172	10.027	Endo. sulfate
4.938	2748123	38.479	Methoxychlor	5.184	575573	10.653	Methoxychlor
5.043	507945	2.639	Endrin ketone	5.284	675502	5.022	Endrin ketone
5.115	853585	6.547	Mirex	5.575	179957	2.425	Mirex
5.582	75766	-.553	DCB	6.108	14154	-2.128	DCB

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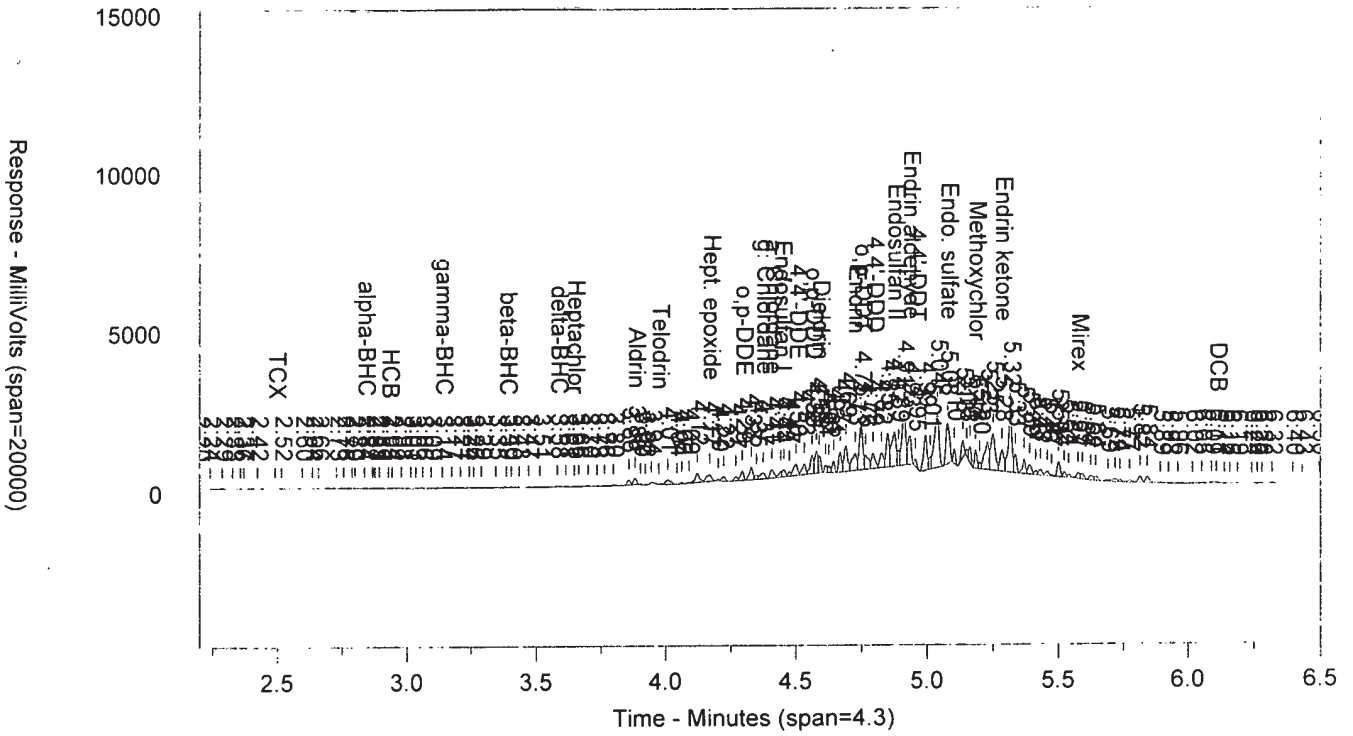
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TOXA51824D AATOXA5AA ICAL 1827099999 00177 SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: TOXA61824D AATOXA6AA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
Injected On: 9/28/2018 8:05:42 PM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Date File: 35pest18271001.023.RAW
Method File: 35PESTDI.MET
Calibration File: 35pest1827101.CAL

RT A	Compound A	Height A	Area A
.017		527	89
.071		417	112
1.507		1641	821
1.546		6750	3239
1.551		7380	5395
1.601		3225	1988
1.617		3519	1535
1.664		1986	1486
1.688		3006	1697
1.711		2373	920
1.728		671	127
1.737		660	316
1.76		12522	12304
1.79		1359	964
1.827		14611	15313
1.884		7412	12716
1.941		1110	336
1.954		1319	301
1.973		778	163
1.989		945	492
2.034		15151	16625
2.074		740	171
2.125		4027	3676
2.165		3724	3691
2.187		1599	737
2.211		1097	467
2.225		1198	328
2.235		1098	255
2.274	HCB	7438	7077
2.294		2419	1316
2.319	alpha-BHC	10090	9031
2.367		3523	3027
2.429		1136	1061
2.463		10206	12550
2.494		1785	1002
2.516		3264	3399
2.545		5396	4694
2.579		32144	27528
2.602	gamma-BHC	6670	6236
2.649		23178	26257
2.689		16388	13690
2.712		1020	417
2.74		35665	39376
2.798		6747	6318
2.817	beta-BHC	16063	11464
2.837		981	158
2.858		55893	70223
2.91	Heptachlor	3824	2229
2.943		26468	19258
2.968		35105	34832
2.995		9565	9483
3.034		37253	38198
3.118		42045	116510
3.16		43184	44690

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
3.213	Aldrin	87022	87056
3.24		491025	514015
3.269		345596	344045
3.302	Telodrin	62988	62183
3.341		234988	556988
3.413		89088	68224
3.436		334727	380670
3.472		692544	894856
3.502		118016	88666
3.52		62134	48029
3.55		47886	43300
3.572		247267	265332
3.598		48381	26836
3.616		192955	160560
3.632		240017	186645
3.649	Hept. epoxide	407678	376464
3.663		419402	421109
3.694		143417	177550
3.744		167069	209619
3.775		569206	574811
3.801		801924	808435
3.818	g. Chlordane	261245	180777
3.856		1329392	1933303
3.887	a. Chlordane	8289	2435
3.899		115423	68279
3.925	Endosulfan I	553113	493098
3.936		467993	303334
3.95		382454	170551
3.965		785659	853740
4.011		1101813	1440290
4.053		1091789	1406949
4.078		1751216	1434935
4.093		1907474	1895552
4.126	Dieldrin	1992890	2630504
4.164	o,p-DDD	542593	540828
4.178		327364	159353
4.203		1924387	2192215
4.23		1820110	2203065
4.249		1334295	1037650
4.265		1071302	1045356
4.286		1596298	2004652
4.311	Endrin	1295573	871691
4.326		2173703	1913081
4.342	o,p-DDT	1722401	1521428
4.378	4,4'-DDD	1803989	1917438
4.415		4710072	4938056
4.444		4319197	4871878
4.465	Endosulfan II	1847239	1616870
4.496		5627322	5487432
4.522		2397569	1762253
4.543		1220923	871462
4.558	4,4'-DDT	1388216	1067622
4.577		1454225	1693514
4.614	Endrin aldehyde	4188010	4268596
4.659		4428456	5338578
4.673		2334779	1587580
4.696		2877491	2563365
4.719	Endo. sulfate	2024373	2529842
4.744		3330208	2708139
4.773		346091	216409
4.788		1069832	702200
4.812		1015714	947957
4.831		348295	215830
4.846		1710693	881338
4.87		3646572	4006493
4.912	Methoxychlor	1951378	2339324

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
4.941		5839269	6362202
4.966		1866501	1434318
4.996		385117	230012
5.011		184401	99996
5.019		206458	121656
5.046	Endrin ketone	1093771	1243913
5.081		1260210	1379966
5.118	Mirex	1908359	1551742
5.138		380536	244830
5.152		450927	350586
5.163		449326	520086
5.193		432978	284940
5.217		751704	867617
5.242		221052	89501
5.252		446289	332556
5.271		510384	555763
5.298		186497	113520
5.311		341062	531527
5.344		259109	173303
5.372		737224	521757
5.395		767610	671331
5.43		202958	182113
5.463		70888	55857
5.49		45402	38116
5.525		30680	16830
5.55		104551	96820
6.686	DCB	171435	165516
5.606		62509	37699
5.627		19484	14905
5.667		31029	41865
5.723		9259	9440
5.755		7850	4852
5.777		3360	1737
5.837		12013	11011
5.881		1276	594
5.911		8151	10479
5.964		764	790
5.984		4640	4422
6.013		494	129
6.058		1092	672
6.096		626	370
6.127		2164	1630
6.164		993	776
6.201		870	577
6.208		848	263
6.244		810	482
6.301		942	425
6.344		292	282
6.395		738	140
6.423		983	266
6.446		659	162
6.46		794	126
6.487		794	291
6.524		792	148
6.543		544	164
6.559		733	227
6.577		969	524
6.594		803	214
6.608		551	134
6.624		694	131
6.655		675	158
6.683		644	173
6.695		952	288
6.72		883	207
6.743		753	223
6.761		624	225

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
6.774		645	196
6.793		824	430
6.817		604	157
6.841		576	182
6.859		783	127
6.878		814	366
6.893		816	237
6.92		580	155
6.957		673	105
6.963		870	252
6.985		777	183
7.011		453	195
7.031		472	346
7.059		779	249
7.078		602	117
7.086		696	211
7.101		752	168
7.106		559	106
7.125		1242	443
7.137		517	99
7.152		684	228
7.175		735	152
7.201		887	552
7.215		1311	336
7.227		1163	285
7.235		564	171
7.272		773	225
7.282		506	283
7.306		489	95

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: TOXA61824D AATOXA6AA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
 Injected On: 9/28/2018 8:05:42 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB CLP2 30m x 0.32mm x 0.25um
 Data File: 35pest18271001B.023.RAW
 Method File: 35PESTDIB.MET
 Calibration File: 35pest1827101b.CAL

RT B	Compound B	Height B	Area B
.03		691	359
.094		526	154
1.539		4420	9884
1.582		4839	2968
1.599		3721	2508
1.619		7319	11038
1.647		5507	2955
1.661		7904	9300
1.697		7562	10919
1.727		17335	25544
1.774		74102	95542
1.856		4397	7958
1.924		4180	5432
1.956		6753	8561
1.988		7351	10562
2.034		6379	8650
2.086		4575	5817
2.11		3829	3827
2.15		10307	14453
2.213		496	638
2.239		5550	5438
2.289		13163	14160
2.329		5114	4620
2.376		643	362
2.424		1522	1524
2.464		525	217
2.496	TCX	912	825
2.515		10241	9165
2.6		2452	3649
2.631		2167	1959
2.667		1161	1011
2.731		2732	2305
2.754		930	313
2.774		698	113
2.787		692	373
2.803		1910	1648
2.837	alpha-BHC	7065	5831
2.858		1813	1168
2.896	HCB	7552	8006
2.948		2643	3380
2.98		5443	4545
3.036		3178	3663
3.062		1490	1301
3.09		886	422
3.135	gamma-BHC	900	826
3.143		594	183
3.176		2704	2539
3.208		4986	4062
3.238		1148	1025
3.26		2830	2088
3.29		24407	23476
3.345		21590	29819
3.383	beta-BHC	3864	3763
3.404		4031	3091

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
3.433		12157	10429
3.471		22772	22220
3.513		34091	51766
3.56		1697	1621
3.582	delta-BHC	35417	41876
3.612		7261	8709
3.646	Heptachlor	12142	8022
3.664		27114	17743
3.7		38350	36443
3.719		827	149
3.735		20176	14362
3.763		45250	36845
3.798		51951	68365
3.858		337480	289466
3.881	Aldrin	412457	357450
3.902		17615	7918
3.922		8485	3323
3.947		140864	208673
4.009		274899	452598
4.04		3679	807
4.062		97961	74470
4.09		85006	65281
4.123		614123	745439
4.169	Hept. epoxide	407664	597194
4.202		116727	93966
4.222		291467	264024
4.247		2069	391
4.27		274509	247763
4.295	o,p-DDE	615704	523895
4.33		825676	788284
4.349		292264	236910
4.377	g. Chlordane	394412	493755
4.409	a. Chlordane	576388	578096
4.441	Endosulfan I	384649	317918
4.453		493129	377039
4.474		290937	219983
4.499	4,4'-DDE	719128	867494
4.532		708934	723979
4.562	o,p-DDD	1232779	1086809
4.578		1516247	1202181
4.589	Dieldrin	1126341	708120
4.613		505958	331846
4.625		428350	309395
4.643		749884	518407
4.668		1300667	1084698
4.69		1825685	1702182
4.726	Endrin	1121233	1433294
4.748		3050095	2892245
4.766		933735	1029303
4.794	4,4'-DDD	1051987	1056147
4.825		1011671	983583
4.848		2271209	1909359
4.873	Endosulfan II	2192161	2793850
4.89		1014519	490650
4.91		3512803	3640404
4.933	Endrin aldehyde	1870884	1833386
4.955	4,4'-DDT	520452	313129
4.994		2358994	2138636
5.014		883578	589619
5.039		3688336	4456451
5.077	Endo. sulfate	2750735	2697029
5.104		942260	543234
5.136		1170733	822907
5.151		537006	298792
5.162		1139954	637646
5.184	Methoxychlor	1186868	811122

Chrom Perfect Chromatogram Report

RT:B	Compound B	Height B	Area B
5.199		428738	258456
5.228		1866850	2284600
5.25		2584649	2852707
5.284	Endrin ketone	1435422	1533269
5.316		3800901	3879504
5.336		1241345	825668
5.369		967014	791865
5.39		634844	606820
5.413		284350	204519
5.431		379219	339614
5.458		310719	348751
5.501		983737	764250
5.523		343923	240863
5.54		180997	133001
5.575	Mirex	399840	347408
5.59		378351	315506
5.627		298412	346016
5.645		276705	236968
5.685		69168	67612
5.72		160756	252652
5.736		129141	99005
5.775		145830	162646
5.814		401627	397143
5.844		423606	430713
5.876		4297	1990
5.895		25543	24798
5.926		21117	16637
5.963		1753	2045
6.015		21640	20707
6.052		63038	65614
6.089		31892	30294
6.108	DCB	30580	24001
6.138		6612	4668
6.157		1707	1219
6.189		11507	10862
6.211		1577	1141
6.264		3253	4387
6.318		10447	12853
6.373		588	301
6.391		413	211
6.428		1705	1066
6.497		2488	2491
6.53		617	165
6.536		794	248
6.566		596	176
6.577		604	129
6.606		700	173
6.626		432	83
6.635		1227	838
6.693		614	410
6.748		495	145
6.789		777	239
6.822		495	138
6.852		747	146
6.859		477	118
6.869		642	192
6.88		456	188
6.971		623	642
6.978		634	226
6.999		512	128
7.02		524	235
7.038		568	139
7.047		730	184
7.072		296	165
7.103		713	227
7.149		521	161

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
7.157		680	144
7.176		967	444
7.211		844	237
7.231		467	260
7.263		729	630
7.284		621	168
7.304		663	111

TOXA61824D

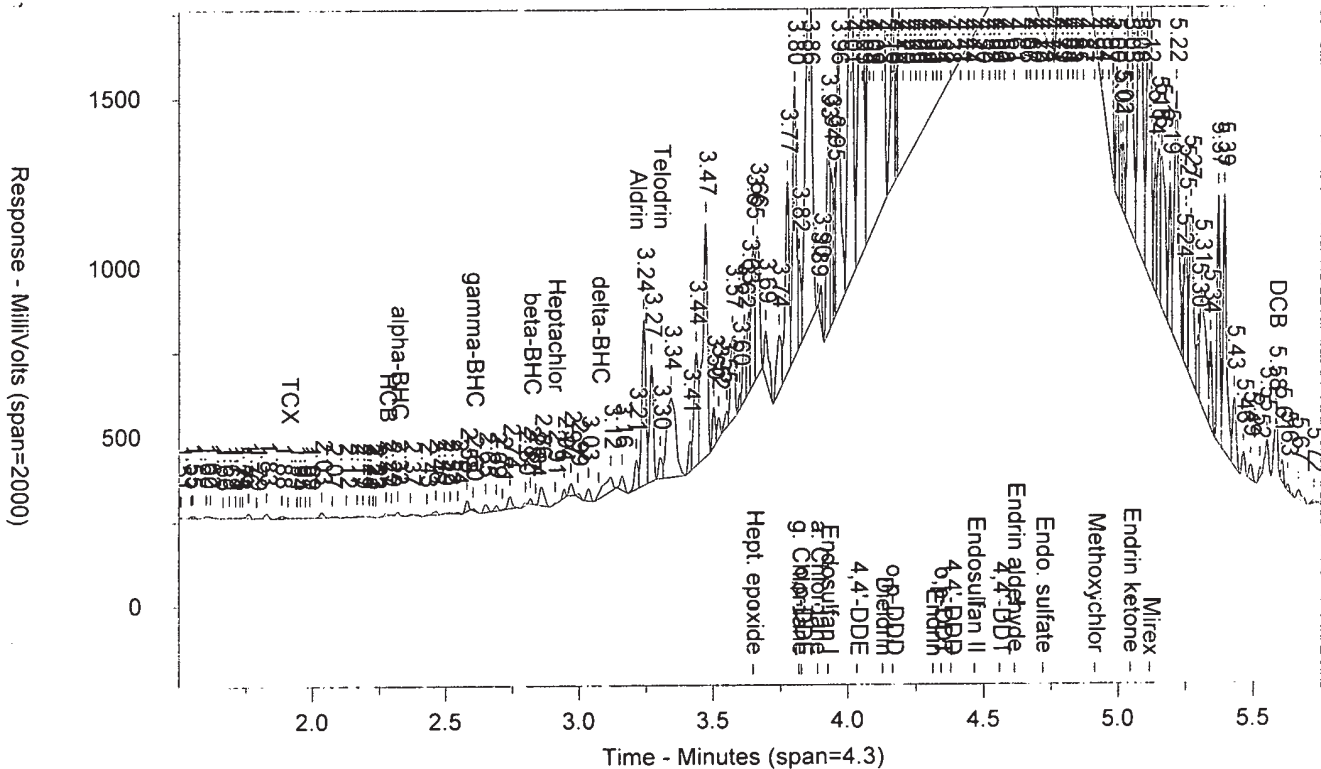
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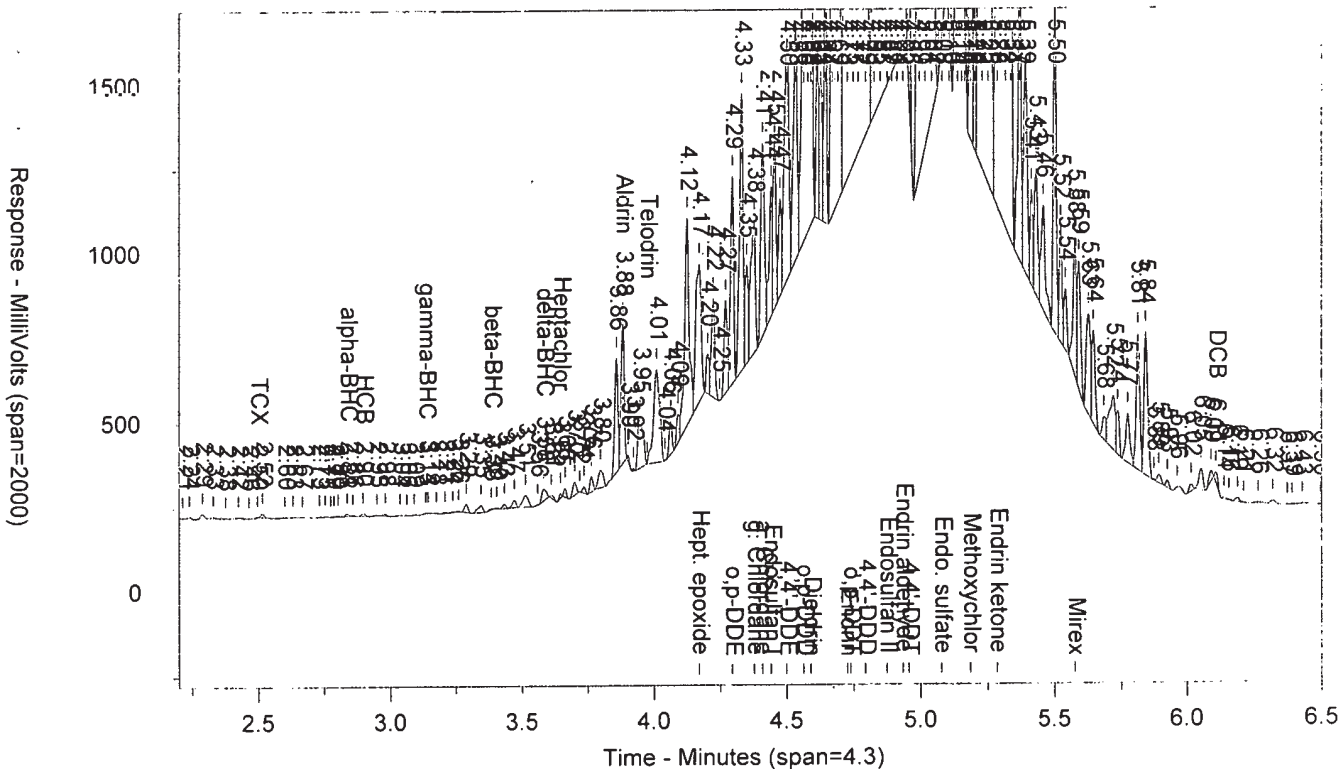
00177

SW-846 8081A

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\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.023.RAW



Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: TOXA61824D AATOXA6AA ICAL 1827099999 00177 SW-846 8081A
 Injected On: 9/28/2018 8:05:42 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.274	7438	.044	HCB	2.896	7552	.053	HCB
2.319	10090	.046	alpha-BHC	2.837	7065	.041	alpha-BHC
	0		TCX	2.496	912	.007	TCX
2.602	6670	.033	gamma-BHC	3.135	900	.006	gamma-BHC
2.817	16063	.171	beta-BHC	3.383	3864	-.374	beta-BHC
2.91	3824	.022	Heptachlor	3.646	12142	.076	Heptachlor
3.213	87022	.459	Aldrin	3.881	412457	2.44	Aldrin
3.302	62988	.479	Telodrin		0		Telodrin
	0		delta-BHC	3.582	35417	.188	delta-BHC
3.649	407678	2.129	Hept. epoxide	4.169	407664	2.614	Hept. epoxide
3.818	261245	1.295	g. Chlordane	4.377	394412	2.496	g. Chlordane
3.887	8289	.041	a. Chlordane	4.409	576388	3.961	a. Chlordane
3.925	553113	2.919	Endosulfan I	4.441	384649	2.528	Endosulfan I
4.126	1992898	9.697	Dieldrin	4.589	1126341	7.411	Dieldrin
4.164	542593	4.61	o,p-DDD	4.562	1232779	13.969	o,p-DDD
	0		o,p-DDE	4.295	615704	6.168	o,p-DDE
4.311	1295573	7.003	Endrin	4.726	1121233	8.64	Endrin
4.342	1722401	13.654	o,p-DDT		0		o,p-DDT
4.378	1803989	11.061	4,4'-DDD	4.794	1051987	8.418	4,4'-DDD
4.465	1847239	9.996	Endosulfan II	4.873	2192161	16.388	Endosulfan II
	0		4,4'-DDE	4.499	719128	4.727	4,4'-DDE
4.558	1388216	9.157	4,4'-DDT	4.955	520452	4.446	4,4'-DDT
4.614	4188010	27.794	Endrin aldehyde	4.933	1870884	16.929	Endrin aldehyde
4.719	2024373	12.196	Endo. sulfate	5.077	2750735	21.886	Endo. sulfate
4.912	1951378	27.323	Methoxychlor	5.184	1186868	21.966	Methoxychlor
5.046	1093771	5.683	Endrin ketone	5.281	1435122	11.456	Endrin ketone
5.118	1908359	14.637	Mirex	5.575	399840	5.389	Mirex
5.585	171435	.269	DCB	6.108	30580	-1.807	DCB

Files:

Area File: 35pest18271001.023.RAW
 Area File: 35pest18271001B.023.RAW
 Method A: 35PESTD1.MET
 Method B: 35PESTD1B.MET
 Calibration File A: 35pest1827101.CAL
 Calibration File B: 35pest1827101b.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 9/28/2018 8:13:03 PM
 File Reported On: 10/3/2018 at 7:08:08 PM

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: ICTXX1824D AAICTXXAA CCAL 1827099999 00177 Analyst: 2306 SW-846 8081A
Injected On: 9/28/2018 8:16:20 PM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Date File: 35pest18271001.024.RAW
Method File: 35PESTDI.MET
Calibration File: 35pest1827101.CAL

RT A	Compound A	Height A	Area A
.009		536	129
.057		600	316
.077		574	194
1.537		917	371
1.551		2744	2949
1.599		1064	352
1.617		777	179
1.633		816	791
1.663		1877	1285
1.689		1985	1129
1.709		1009	160
1.726		1040	238
1.736		1410	663
1.76		6178	5265
1.794		2210	2456
1.832		3701	3691
1.87		655	629
1.876		674	169
1.887		962	184
1.908	TCX	764	241
1.931		711	184
1.954		782	158
1.97		1092	188
1.983		1310	975
2.018		501	222
2.034		3785	4159
2.076		740	189
2.093		1176	228
2.109		970	153
2.117		862	176
2.125		862	416
2.168		2296	2103
2.18		892	338
2.198		576	111
2.246	HCB	680	139
2.276		2202	1994
2.321	alpha-BHC	2587	2278
2.34		732	366
2.37		1155	895
2.385		627	245
2.423		600	189
2.436		1220	504
2.464		3233	3034
2.498		1251	777
2.511		863	186
2.544		1215	741
2.583		9165	8467
2.603	gamma-BHC	2422	1937
2.651		6921	8263
2.692		5448	4566
2.743		10101	11059
2.779		587	111
2.799		2818	2137
2.821	beta-BHC	5264	4500

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
2.861		17765	20692
2.91	Heptachlor	1231	754
2.946		6739	5867
2.97		10405	9561
2.994		1635	825
3.038		11066	11246
3.1		1349	5663
3.119		7582	7157
3.163		10893	11458
3.214	Aldrin	25723	25682
3.242		138683	138884
3.271		94307	95708
3.303	Telodrin	18537	18205
3.345		63892	156214
3.415		23658	18227
3.437		92513	104751
3.474		200038	250462
3.503		35173	26442
3.522		18717	13107
3.552		12939	11723
3.574		72665	74443
3.618		55475	46665
3.633		70325	53400
3.65	Hept. epoxide	112153	98869
3.666		116965	124928
3.696		45531	51156
3.746		45014	53873
3.776		159043	158209
3.803		217930	219439
3.82	g. Chlordane	73835	47111
3.857		381806	537381
3.887	a. Chlordane	1311	461
3.9		33335	21540
3.928	Endosulfan I	168012	198923
3.951		111588	38338
3.966		225122	241917
4.012		306647	403972
4.055		304937	399431
4.079		496717	408903
4.095		530317	529124
4.128	Dieldrin	553801	736933
4.165	o,p-DDD	165702	156992
4.182		109465	44988
4.204		546850	620884
4.231		481477	609488
4.25		373226	296583
4.269		292128	280996
4.286		431790	571804
4.313	Endrin	364443	248662
4.328		596617	544773
4.344	o,p-DDT	481678	399148
4.38	4,4'-DDD	482373	529385
4.416		1331834	1363462
4.446		1245406	1361458
4.468	Endosulfan II	498725	444567
4.497		1524508	1514938
4.524		661562	492511
4.545		336623	250127
4.56	4,4'-DDT	363491	306820
4.578		397656	455046
4.615	Endrin aldehyde	1156587	1191192
4.661		1242645	1508335
4.675		652115	401584
4.698		790074	730551
4.723	Endo. sulfate	567532	714311
4.746		921449	754216

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
4.774		110551	64968
4.79		305027	201316
4.814		294239	259323
4.832		106196	65552
4.848		460241	243912
4.872		1039224	1110785
4.912	Methoxychlor	542493	644380
4.943		1660230	1761222
4.967		506732	417879
4.998		106352	59778
5.012		48876	25131
5.021		54331	32855
5.048	Endrin ketone	320423	358078
5.083		354238	395030
5.12	Mirex	548116	455071
5.14		114059	72942
5.154		131708	102111
5.163		128424	148669
5.194		130212	84261
5.219		212452	255195
5.254		133693	126152
5.272		156832	168039
5.3		61647	34140
5.312		106075	163359
5.345		80316	53888
5.374		235947	162152
5.396		238445	205128
5.432		60732	55889
5.463		19559	17130
5.491		12931	11696
5.525		10191	5585
5.552		31153	29886
5.586	DCB	52961	51217
5.607		20774	12798
5.629		6156	4511
5.669		9036	12341
5.726		2702	2899
5.758		2597	2003
5.779		643	217
5.823		407	54
5.838		3467	2739
5.866		653	99
5.912		2806	2871
5.972		1114	1345
5.983		903	676
6.013		863	111
6.02		609	178
6.062		749	87
6.08		721	206
6.109		560	117
6.131		755	253
6.159		976	413
6.175		835	310
6.211		607	918
6.265		792	174
6.283		556	101
6.322		370	136
6.34		677	123
6.363		627	86
6.382		621	126
6.401		576	183
6.437		797	207
6.482		392	135
6.511		357	222
6.531		871	286
6.567		611	244

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
6.592		732	248
6.602		1012	283
6.612		1006	301
6.631		804	193
6.641		623	132
6.66		572	222
6.677		700	260
6.683		860	226
6.701		547	158
6.727		855	605
6.749		671	304
6.779		578	128
6.801		576	141
6.834		913	138
6.849		742	186
6.869		1039	379
6.887		1009	399
6.901		470	337
6.933		538	330
6.952		691	278
6.978		683	112
7.025		491	357
7.059		969	490
7.083		690	204
7.109		572	209
7.12		399	169
7.142		710	207
7.158		725	134
7.177		767	140
7.193		452	284
7.269		603	169
7.289		772	306
7.323		929	307

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: ICTXX1824D AAICTXXAA CCAL 1827099999 00177 Analyst: 2306 SW-846 8081A
 Injected On: 9/28/2018 8:16:20 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB CLP2 30m x 0.32mm x 0.25um
 Data File: 35pest18271001B.024.RAW
 Method File: 35PESTDIB.MET
 Calibration File: 35pest1827101b.CAL

RT B	Compound B	Height B	Area B
.029		486	182
.04		452	100
1.503		566	247
1.526		1937	1381
1.539		4090	5670
1.587		1247	1206
1.6		1132	604
1.613		781	722
1.694		1401	903
1.727		15531	17063
1.772		20812	22558
1.811		611	257
1.853		1116	1602
1.927		953	916
1.952		1414	1163
1.981		730	404
2.032		1886	1400
2.08		1708	2610
2.106		1087	987
2.13		489	98
2.148		2134	1774
2.196		1466	503
2.236		2182	1970
2.289		4330	6610
2.324		489	171
2.366		449	159
2.404		499	231
2.413		663	222
2.473		362	281
2.492	TCX	704	315
2.516		3195	2992
2.571		524	107
2.596		585	319
2.629		919	818
2.681		664	433
2.734		700	680
2.756		862	660
2.772		657	235
2.794		582	186
2.8		644	187
2.839	alpha-BHC	1528	1345
2.857		1186	786
2.9	HCB	2210	2632
2.932		428	189
2.948		387	141
2.977		1427	901
3.013		610	220
3.035		913	671
3.063		610	311
3.094		536	249
3.137	gamma-BHC	655	586
3.178		1045	801
3.205		1387	986
3.242		443	559

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
3.259		1294	966
3.289		7082	6853
3.344		5940	7564
3.385	beta-BHC	964	1260
3.402		1210	814
3.433		3693	3134
3.471		6838	6872
3.51		9785	15817
3.559		611	288
3.587	delta-BHC	8981	12161
3.61		3854	3890
3.645	Heptachlor	3511	2223
3.662		7552	5070
3.699		11681	10910
3.735		5479	3714
3.762		13002	11116
3.804		14726	20719
3.825		1440	587
3.856		98648	90113
3.88	Aldrin	128851	130470
3.922		2064	601
3.947		40658	60718
4.007		79051	130775
4.061		28657	21343
4.09		25923	20214
4.121		181564	216090
4.16		103800	61942
4.168	Hept. epoxide	123632	112263
4.2		33416	24537
4.222		80362	76837
4.268		80228	68587
4.294	o,p-DDE	179904	151385
4.327		232401	220192
4.349		77631	70982
4.375	g. Chlordane	113855	145699
4.407	a. Chlordane	164131	171655
4.442	Endosulfan I	114143	94426
4.452		140935	111367
4.473		94400	65875
4.498	4,4'-DDE	220739	249967
4.531		196008	205349
4.56	o,p-DDD	351389	319790
4.577		436649	345628
4.588	Dieldrin	327225	196467
4.611		153547	92201
4.624		125241	89480
4.642		219179	141355
4.667		369711	293514
4.689		501025	473610
4.715		252494	147721
4.725	Endrin	323675	271151
4.747	o,p-DDT	846968	798405
4.765		261191	276085
4.792	4,4'-DDD	283295	287118
4.824		285476	288667
4.847		657455	521294
4.872	Endosulfan II	617444	797617
4.888		297808	127502
4.909		969510	1046626
4.932	Endrin aldehyde	530834	503683
4.953	4,4'-DDT	142711	93623
4.993		672181	608818
5.037		1049122	1433871
5.077	Endo. sulfate	789817	756331
5.102		288852	162088
5.134		365096	236834

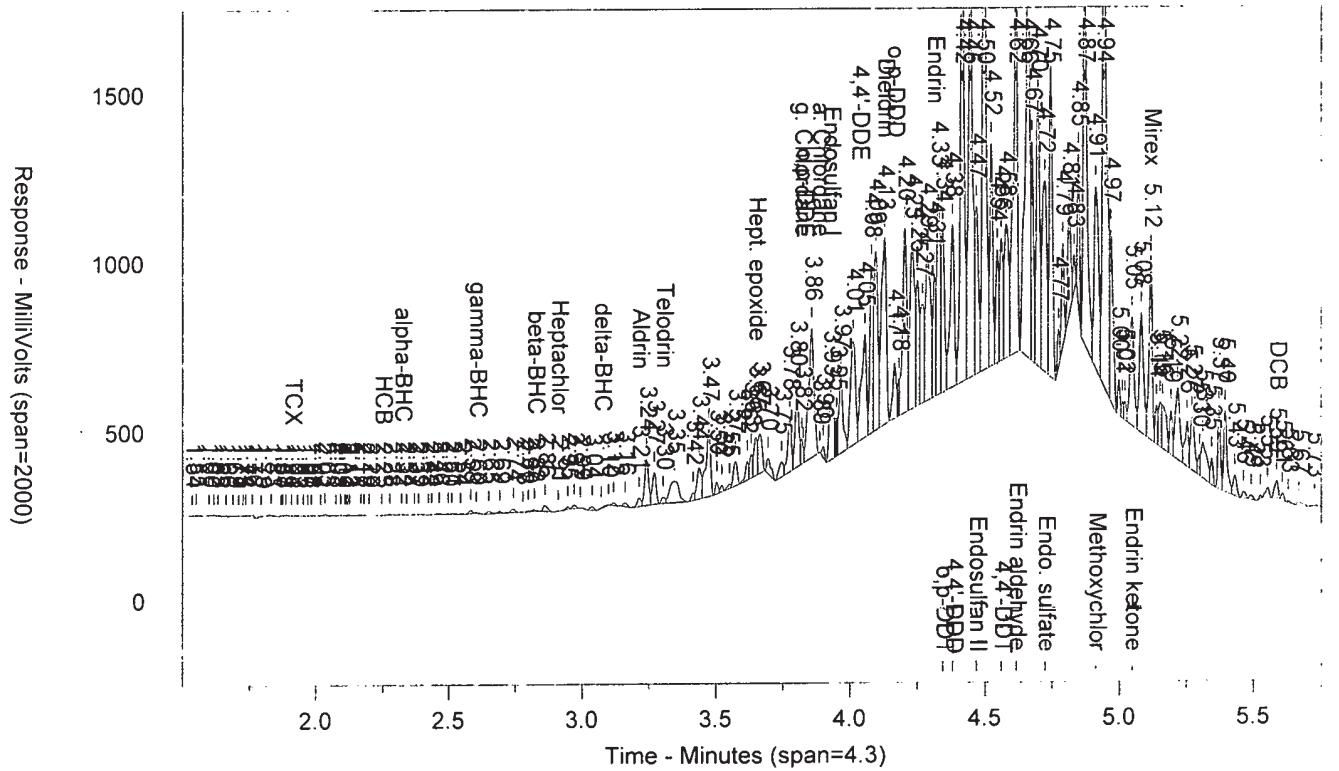
Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
5.15		162702	83385
5.161		312875	191810
5.183	Methoxychlor	374286	238345
5.199		134609	86818
5.227		532218	651186
5.249		720277	847710
5.283	Endrin ketone	431616	455763
5.315		1119943	1133225
5.334		376381	242605
5.368		274887	233680
5.389		184966	167258
5.411		74188	48861
5.429		104070	84184
5.456		78415	59381
5.5		311008	241338
5.522		109015	78420
5.539		63504	44009
5.575	Mirex	127719	113922
5.589		119697	103221
5.625		91113	106524
5.643		88199	74145
5.691		23783	24610
5.717		51280	74102
5.736		40828	32984
5.773		42917	48907
5.813		130353	128395
5.843		128978	140841
5.894		7932	7449
5.927		6104	5155
5.962		2062	1357
6.016		5910	5989
6.051		22144	21246
6.087		9285	7838
6.107	DCB	12037	9491
6.138		2895	2094
6.158		1487	918
6.187		3127	2863
6.247		576	169
6.264		1459	1126
6.315		3714	5151
6.373		570	248
6.392		799	204
6.424		946	330
6.432		678	150
6.492		456	196
6.559		528	112
6.57		650	120
6.595		559	151
6.62		659	180
6.636		685	253
6.685		424	469
6.709		549	147
6.745		373	212
6.769		563	314
6.781		291	98
6.803		1118	861
6.82		768	261
6.844		525	114
6.85		583	108
6.867		435	96
6.885		491	103
6.911		713	279
6.977		970	1637
6.999		769	177
7.034		587	143
7.073		577	244

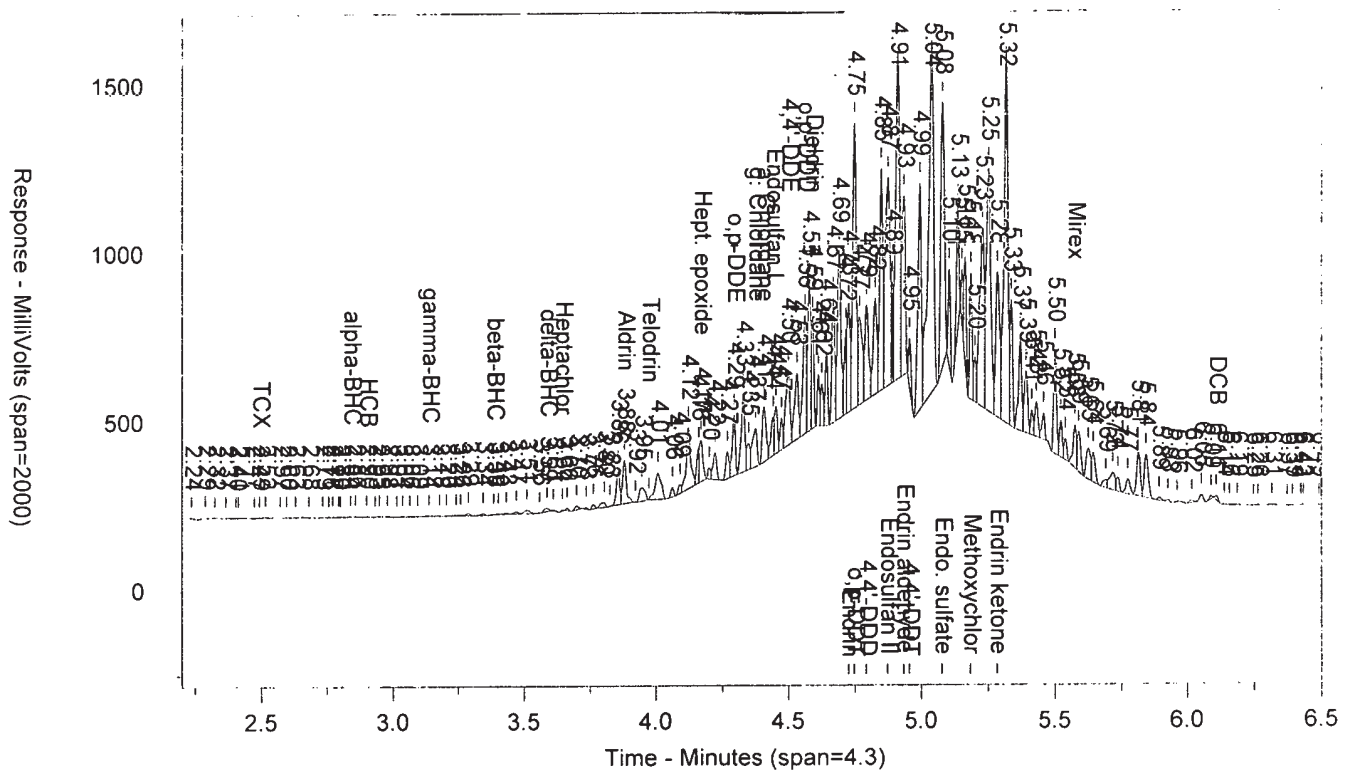
Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
7.154		475	362
7.194		531	244
7.229		693	288
7.264		616	325
7.322		597	227

ICTXX1824D AAICTXXAA CCAL 1827099999 00177 SW-846 8081A
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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: ICTXX1824D AAICTXXAA CCAL 182709999 00177 SW-846 8081A
 Injected On: 9/28/2018 8:16:20 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.908	764	.006	TCX	2.492	704	.006	TCX
2.246	680	.004	HCB	2.9	2210	.016	HCB
2.321	2587	.012	alpha-BHC	2.839	1528	.009	alpha-BHC
2.603	2422	.012	gamma-BHC	3.137	655	.004	gamma-BHC
2.821	5264	.056	beta-BHC	3.385	964	.414	beta-BHC
2.91	1231	.007	Heptachlor	3.645	3511	.022	Heptachlor
3.214	25723	.136	Aldrin	3.88	128851	.762	Aldrin
3.303	18537	.141	Telodrin		0		Telodrin
	0		delta-BHC	3.587	8981	.048	delta-BHC
3.65	112153	.586	Hept. epoxide	4.168	123632	.501	Hept. epoxide
3.82	73835	.366	g. Chlordane	4.375	113855	.72	g. Chlordane
3.887	1311	.007	a. Chlordane	4.407	164131	.751	a. Chlordane
3.928	168012	.887	Endosulfan I	4.442	114143	.458	Endosulfan I
4.128	553801	2.695	Dieldrin	4.588	327225	1.399	Dieldrin
4.165	165702	1.408	o,p-DDD	4.56	351389	3.982	o,p-DDD
	0		o,p-DDE	4.294	179904	1.802	o,p-DDE
4.313	364443	1.97	Endrin	4.725	323675	2.494	Endrin
4.344	481678	3.818	o,p-DDT	4.747	846968	8.758	o,p-DDT
4.38	482373	2.958	4,4'-DDD	4.792	283295	2.267	4,4'-DDD
4.468	498725	2.699	Endosulfan II	4.872	617444	4.616	Endosulfan II
	0		4,4'-DDE	4.498	220739	1.451	4,4'-DDE
4.56	363491	2.398	4,4'-DDT	4.953	142711	1.219	4,4'-DDT
4.615	1156587	7.676	Endrin aldehyde	4.932	530834	4.803	Endrin aldehyde
4.723	567532	3.419	Endo. sulfate	5.077	789817	6.284	Endo. sulfate
4.912	542493	7.596	Methoxychlor	5.183	374286	6.927	Methoxychlor
5.048	320423	1.665	Endrin ketone	5.283	431616	2.957	Endrin ketone
5.12	548116	4.204	Mirex	5.575	127719	1.721	Mirex
5.586	52961	-.749	DCB	6.107	12037	-2.169	DCB

Files:
 Area File: 35pest18271001.024.RAW
 Area File: 35pest18271001B.024.RAW
 Method A: 35PESTD1.MET
 Method B: 35PESTD1B.MET
 Calibration File A: 35pest1827101.CAL
 Calibration File B: 35pest1827101b.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 9/28/2018 8:23:41 PM
 File Reported On: 10/3/2018 at 7:08:20 PM

ICTXX1824D

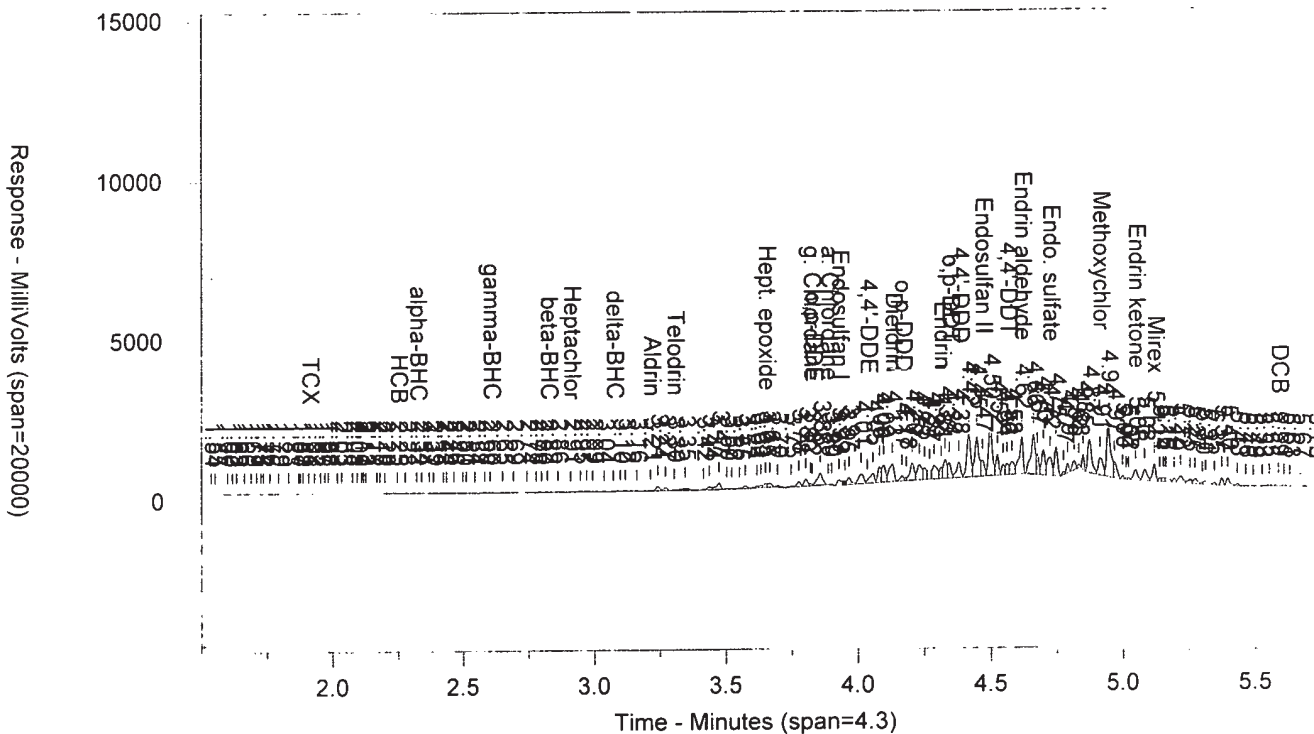
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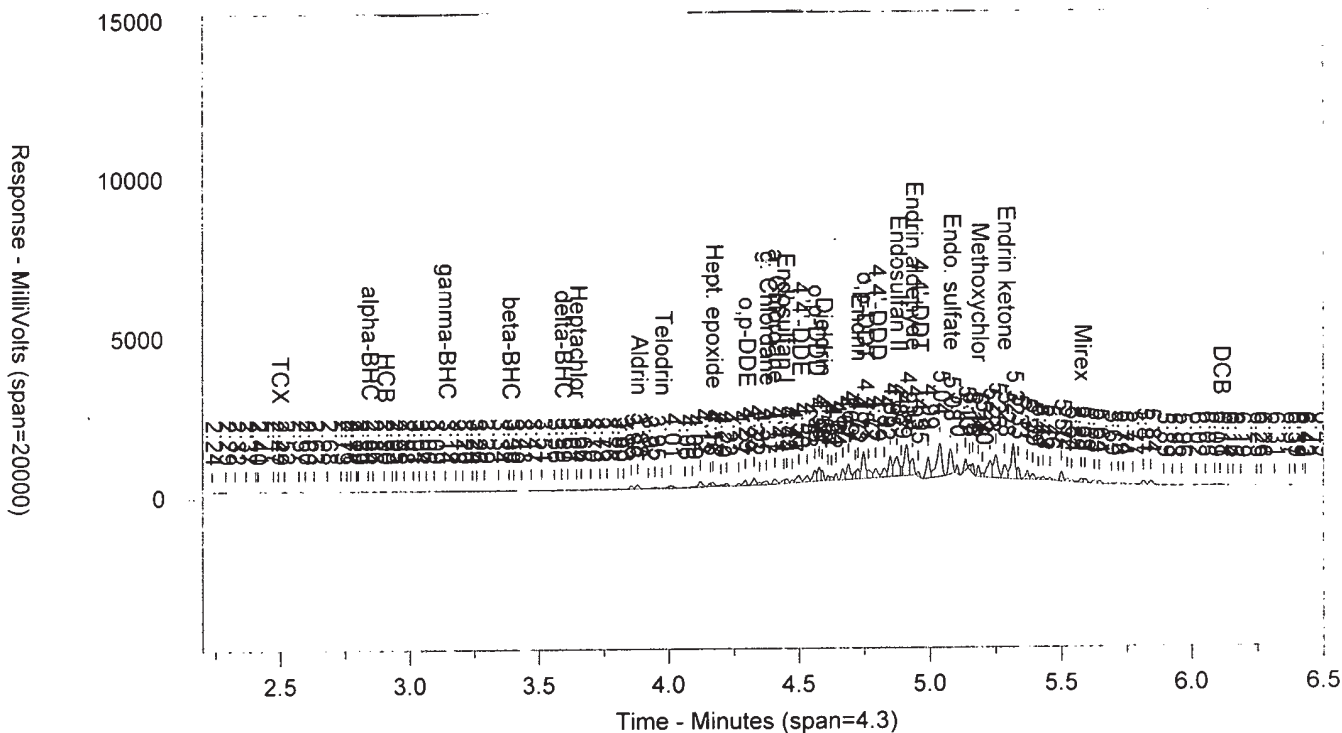
00177

SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD11824D AACHLD1AA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
Injected On: 9/28/2018 8:26:53 PM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Date File: 35pest18271001.025.RAW
Method File: 35PESTDI.MET
Calibration File: 35pest1827101.CAL

RT A	Compound A	Height A	Area A
.007		768	133
.032		878	370
.043		862	303
.051		674	174
.066		524	238
.08		1061	373
.091		1139	552
1.501		745	305
1.546		2805	1698
1.57		2258	1820
1.6		1229	458
1.61		1078	335
1.664		768	340
1.677		849	203
1.694		756	330
1.706		719	241
1.716		893	266
1.74		623	300
1.758		3715	3130
1.803		4441	7990
1.833		539	168
1.869		715	607
1.886		889	311
1.906	TCX	553	131
1.943		38312	42301
2.016		532	239
2.027		863	154
2.046		535	211
2.091		433	99
2.105		840	153
2.117		1108	339
2.124		711	150
2.149		1070	639
2.213		6188	5487
2.265	HCB	4910	4204
2.292		1080	321
2.312		799	226
2.325	alpha-BHC	723	212
2.358		697	248
2.371		917	219
2.434		779	209
2.445		747	427
2.468		1245	435
2.486		623	130
2.498		653	151
2.517		2894	1340
2.528		4346	3085
2.558		2856	3019
2.59		1225	598
2.613	gamma-BHC	799	352
2.645		6443	6158
2.689		3599	3669
2.721		3413	3232
2.765		66867	66815

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
2.804	beta-BHC	8526	8718
2.859		4849	4251
2.882		1046	388
2.923	Heptachlor	89127	93485
2.956		4710	4465
2.989		779	406
3.013		10698	11281
3.033		3354	1048
3.041		4151	3375
3.072	delta-BHC	875	213
3.115		6681	7684
3.156		1137	407
3.172		1456	688
3.183		1507	436
3.198	Aldrin	2655	1635
3.226		8718	10139
3.257		7325	9456
3.333		52815	82633
3.365		4059	3102
3.389		9786	10008
3.434		24483	27129
3.452		7793	7664
3.488		8771	9246
3.51		7401	6896
3.553		5802	3691
3.559		5751	4796
3.612		13827	11627
3.633	Hept. epoxide	836	288
3.672		59385	55373
3.708		47057	42189
3.731		17567	15113
3.753		29478	30105
3.799		20597	19693
3.822	g. Chlordane	240785	205138
3.84	o,p-DDE	195760	163513
3.864		105023	86485
3.89	a. Chlordane	199911	163673
3.929	Endosulfan I	19781	21540
3.96		2174	993
3.976		9773	9987
4.005		871	267
4.016		4438	1760
4.03	4,4'-DDE	5336	6004
4.048		4282	3253
4.072		23475	19955
4.111	Dieldrin	19241	18230
4.162	o,p-DDD	12701	9981
4.204		5153	7924
4.241		2856	2099
4.253		7728	6022
4.3		14621	22928
4.329	Endrin	10439	7408
4.35	o,p-DDT	67719	63032
4.382		18002	18104
4.406	4,4'-DDD	3650	1733
4.416		5196	3884
4.446		15339	11449
4.466	Endosulfan II	28501	27722
4.497		92672	72831
4.525		3257	1408
4.534		4605	4615
4.555	4,4'-DDT	4622	2635
4.574		2484	1703
4.586		2395	1673
4.819	Endrin aldehyde	1547	1403
4.643		1515	654

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
4.685		17402	15064
4.717	Endo. sulfate	7112	6637
4.741		1930	1446
4.773		705	134
4.782		1088	542
4.818		2169	1962
4.83		568	107
4.841		1139	364
4.858		1256	787
4.892		849	596
4.931	Methoxychlor	878	298
4.942		1196	608
4.953		900	283
4.969		1238	623
4.984		2227	1457
5.002		2337	1920
5.025		1070	564
5.054	Endrin ketone	2259	2187
5.084		10728	11922
5.132	Mirex	808	347
5.151		1225	461
5.174		984	362
5.204		5707	4342
5.253		1527	1071
5.274		466	164
5.289		732	308
5.345		765	297
5.385		879	292
5.402		838	319
5.432		637	455
5.437		697	134
5.464		826	256
5.486		734	422
5.505		1018	204
5.512		797	170
5.536		728	194
5.573		803	299
5.606	DCB	1868	1537
5.643		645	177
5.667		726	147
5.681		776	131
5.709		922	396
5.742		873	222
5.755		549	115
5.763		420	125
5.784		693	152
5.807		806	427
5.835		1111	754
5.911		703	163
5.923		841	130
5.965		1113	998
6.007		531	257
6.02		873	277
6.029		593	237
6.065		903	378
6.077		869	423
6.088		760	214
6.112		755	371
6.121		841	215
6.132		961	568
6.165		978	557
6.175		852	265
6.214		2734	4517
6.266		482	172
6.273		717	199
6.321		692	284

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
6.341		912	325
6.354		757	191
6.373		663	106
6.384		601	293
6.409		642	355
6.425		555	93
6.495		908	159
6.517		744	376
6.536		876	232
6.576		719	167
6.6		915	274
6.631		433	92
6.652		786	290
6.675		1077	558
6.688		888	332
6.743		563	132
6.766		451	88
6.782		733	139
6.837		646	100
6.854		670	202
6.882		772	306
6.896		690	199
6.905		765	183
6.921		519	107
6.936		778	224
6.973		533	262
6.993		488	366
7.008		1446	389
7.028		559	277
7.05		632	154
7.058		771	211
7.082		586	214
7.121		825	152
7.136		587	392
7.2		1065	202
7.22		466	98
7.239		393	95
7.254		619	114
7.268		752	122
7.287		752	265
7.308		1068	598

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD11824D AACHLD1AA ICAL 182709999 00177 Analyst: 2306 SW-846 8081A
Injected On: 9/28/2018 8:26:53 PM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Data File: 35pest18271001B.025.RAW
Method File: 35PESTDIB.MET
Calibration File: 35pest1827101b.CAL

RT B	Compound B	Height B	Area B
.049		615	485
.082		507	205
1.516		5704	3901
1.527		7035	10081
1.592		974	906
1.66		1013	531
1.669		880	334
1.726		11324	14973
1.787		736	546
1.822		3373	4252
1.87		550	292
1.892		889	858
1.92		842	416
1.957		3608	5038
1.992		1181	849
2.034		2317	2439
2.06		511	185
2.117		985	766
2.145		433	79
2.203		2003	1949
2.233		2814	3845
2.27		916	566
2.314		397	167
2.343		585	138
2.359		772	656
2.434		420	120
2.456		437	105
2.49	TCX	32312	33938
2.61		430	173
2.666		595	127
2.687		509	147
2.709		410	152
2.733		574	246
2.772		458	341
2.821	alpha-BHC	526	146
2.86		5165	4947
2.885		2568	2126
2.95		482	89
2.982		566	372
3.006		470	190
3.041		644	173
3.056		519	257
3.079		836	1151
3.123	gamma-BHC	1084	785
3.153		407	407
3.191		488	91
3.256		770	319
3.266		1685	1060
3.322		340	171
3.344		4524	4016
3.386	beta-BHC	1175	627
3.414		503	165
3.432		606	171
3.441		491	128

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
3.473		60506	58275
3.574		399	140
3.591	delta-BHC	842	348
3.642	Heptachlor	85942	80147
3.673		5276	3835
3.691		8596	8353
3.732		399	191
3.744		592	138
3.791		2065	2104
3.818		1877	1267
3.853		9105	10249
3.895	Aldrin	66729	56162
3.921		7105	6002
3.954		8324	8486
3.986	Telodrin	4951	4367
4.025		6928	8824
4.044		5570	5139
4.061		3339	1877
4.08		14934	9641
4.093		25216	24081
4.128		899	703
4.144		1219	679
4.162		778	420
4.189	Hept. epoxide	7725	6148
4.21		60529	56772
4.243		36360	41697
4.29	o,p-DDE	6159	6100
4.324		4706	3409
4.342		29849	28091
4.357		15838	10269
4.386	g. Chlordane	239202	202224
4.417	a. Chlordane	156941	127235
4.444	Endosulfan I	152019	123051
4.481		5149	4108
4.497	4,4'-DDE	2016	1288
4.52		1656	1161
4.571	o,p-DDD	20019	19840
4.613		17988	16272
4.679		4522	7547
4.703		8049	6583
4.722	Endrin	10884	12195
4.749		20890	22818
4.781	4,4'-DDD	3758	2985
4.811		52488	39974
4.841		11887	9643
4.861	Endosulfan II	12405	13910
4.891		13218	12003
4.912	Endrin aldehyde	65430	48972
4.95	4,4'-DDT	7131	5008
4.98		839	596
5.011		1394	1016
5.044		870	334
5.076	Endo. sulfate	2287	1782
5.102		14518	12717
5.128		3101	1953
5.164		1029	509
5.177	Methoxychlor	1360	934
5.205		1127	301
5.245		2094	1572
5.272		863	291
5.288	Endrin ketone	866	607
5.31		1214	1278
5.332		1664	1306
5.353		3480	3671
5.398		2146	2079
5.426		5046	4051

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
5.456		1453	882
5.477		3939	3349
5.49		3880	3164
5.515		800	450
5.543		1771	1310
5.585	Mirex	723	530
5.612		782	244
5.645		595	378
5.665		335	221
5.707		850	1154
5.743		590	250
5.764		794	192
5.79		576	103
5.886		605	297
5.915		462	133
6.032		590	239
6.052		738	221
6.088		430	183
6.117	DCB	419	86
6.141		434	138
6.158		460	141
6.204		304	202
6.246		620	303
6.289		529	223
6.302		481	189
6.327		619	246
6.308		511	119
6.407		505	139
6.424		646	173
6.445		497	246
6.466		360	243
6.479		395	92
6.491		801	385
6.534		387	129
6.568		441	107
6.58		539	247
6.595		707	135
6.633		427	179
6.657		435	119
6.675		714	149
6.689		511	95
6.753		561	102
6.855		705	227
6.904		627	172
6.969		577	652
7.004		835	426
7.023		465	98
7.03		677	122
7.038		615	276
7.067		527	209
7.167		448	221
7.19		473	135
7.221		363	121
7.257		374	249
7.285		734	336
7.318		683	319

CHLD11824D

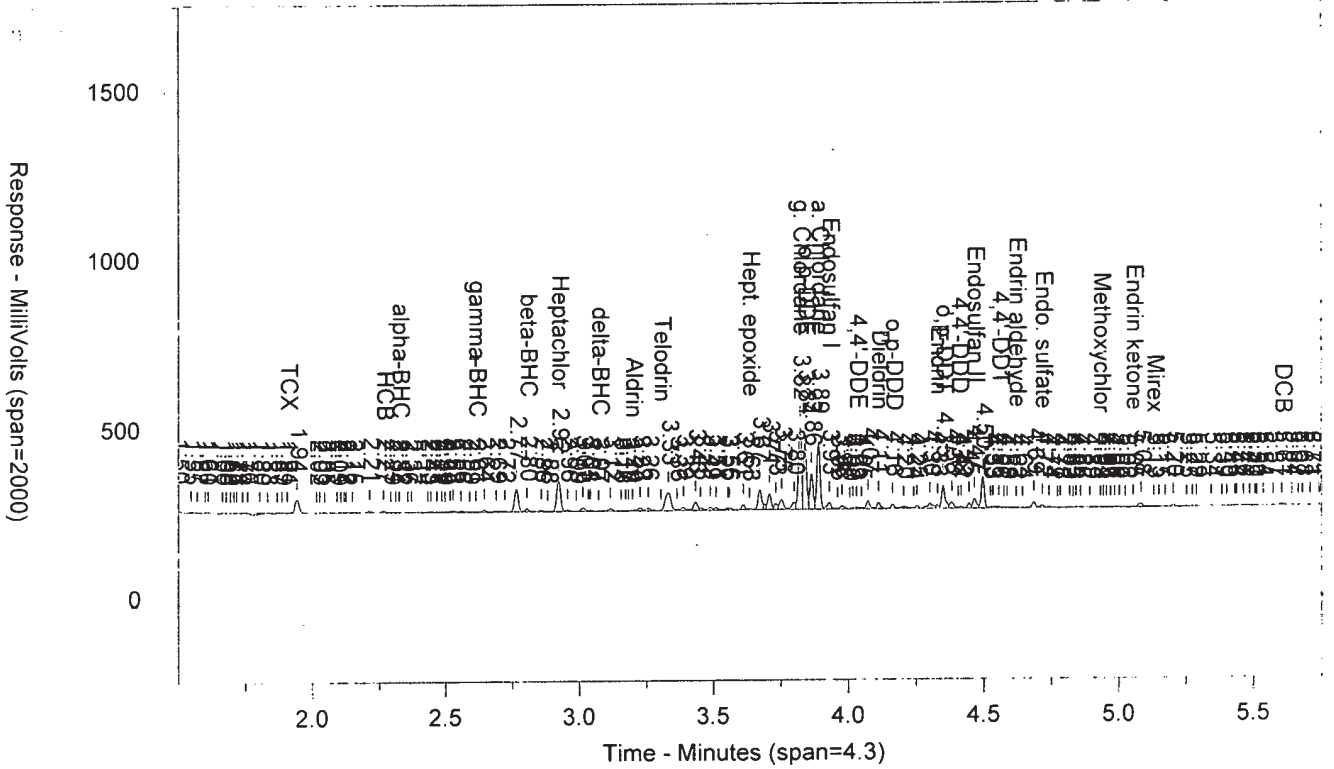
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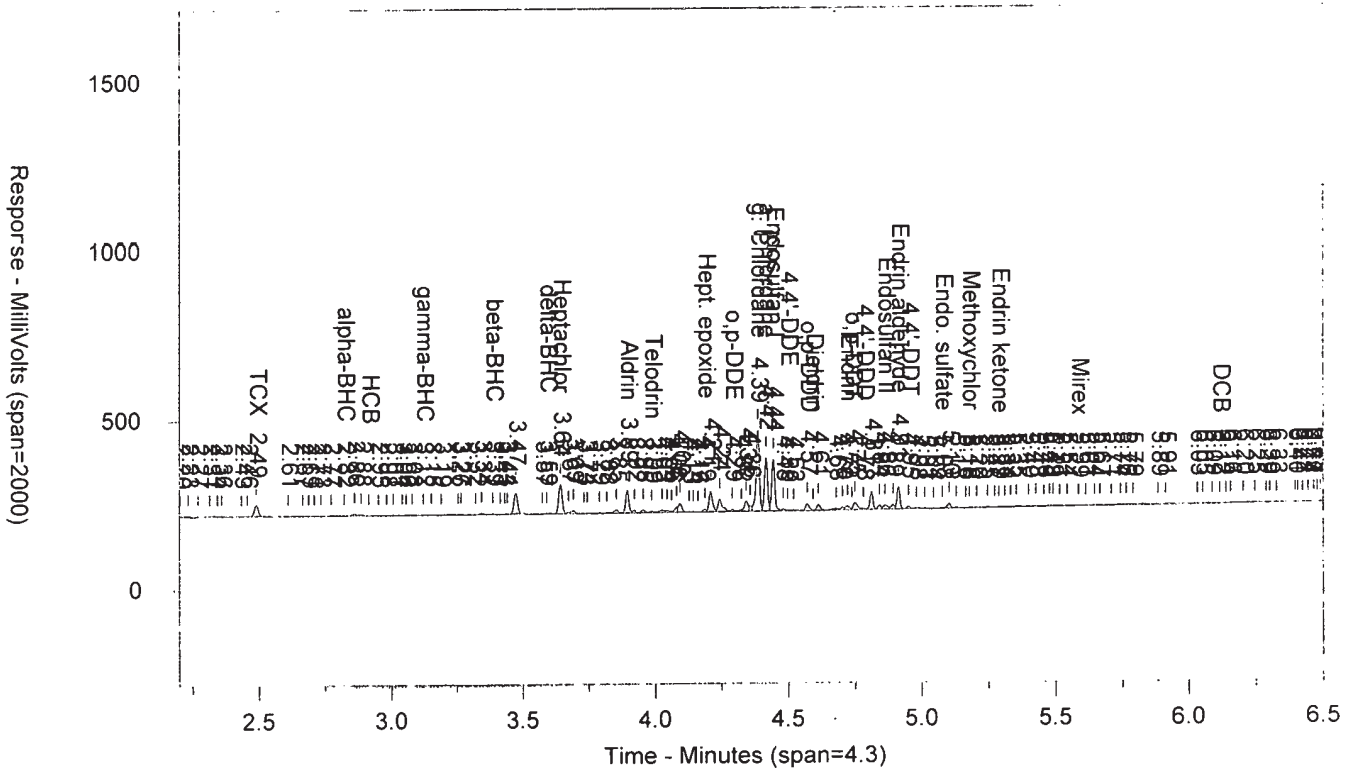
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD11824D AACHLD1AA ICAL 182709999 00177 SW-846 8081A
 Injected On: 9/28/2018 8:26:53 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.906	553	.004	TCX	2.49	32312	.261	TCX
2.265	4910	.029	HCB		0		HCB
2.325	723	.003	alpha-BHC	2.821	526	.003	alpha-BHC
2.613	799	.004	gamma-BHC	3.123	1084	.007	gamma-BHC
2.804	8526	.091	beta-BHC	3.386	1175	-.412	beta-BHC
2.923	89127	.504	Heptachlor	3.642	85942	.539	Heptachlor
3.072	875	.004	delta-BHC	3.591	842	.004	delta-BHC
3.198	2655	.014	Aldrin	3.895	66729	.395	Aldrin
3.633	836	.004	Hept. epoxide	4.189	7725	-.361	Hept. epoxide
3.822	240785	1.193	g. Chlordane	4.386	239202	1.513	g. Chlordane
3.84	195760	1.498	o,p-DDE	4.29	6159	.062	o,p-DDE
3.89	199911	1	a. Chlordane	4.417	156941	.695	a. Chlordane
3.929	19781	.104	Endosulfan I	4.444	152019	.748	Endosulfan I
	0		Telodrin	3.986	4951	.044	Telodrin
4.03	5336	.027	4,4'-DDE	4.497	2016	.013	4,4'-DDE
4.111	19241	.094	Dieldrin		0		Dieldrin
4.162	12701	.108	o,p-DDD	4.571	20019	.227	o,p-DDD
4.329	10439	.056	Endrin	4.722	10884	.084	Endrin
4.35	67719	.537	o,p-DDT		0		o,p-DDT
4.406	3650	.022	4,4'-DDD	4.781	3758	.03	4,4'-DDD
4.466	28501	.154	Endosulfan II	4.861	12405	.093	Endosulfan II
4.555	4622	.03	4,4'-DDT	4.95	7131	.061	4,4'-DDT
4.619	1547	.01	Endrin aldehyde	4.912	65430	.592	Endrin aldehyde
4.717	7112	.043	Endo. sulfate	5.076	2287	.018	Endo. sulfate
4.931	878	.012	Methoxychlor	5.177	1360	.025	Methoxychlor
5.054	2259	.012	Endrin ketone	5.288	800	-.09	Endrin ketone
5.132	808	.006	Mirex	5.585	723	.01	Mirex
5.606	1868	-1.188	DCB	6.117	419	-2.396	DCB

Files:

Area File: 35pest18271001.025.RAW
 Area File: 35pest18271001B.025.RAW
 Method A: 35PESTDI.MET
 Method B: 35PESTDIB.MET
 Calibration File A: 35pest1827101.CAL
 Calibration File B: 35pest1827101b.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 9/28/2018 8:34:15 PM
 File Reported On: 10/3/2018 at 7:08:32 PM

Chrom Perfect Chromatogram Report

CHLD11824D

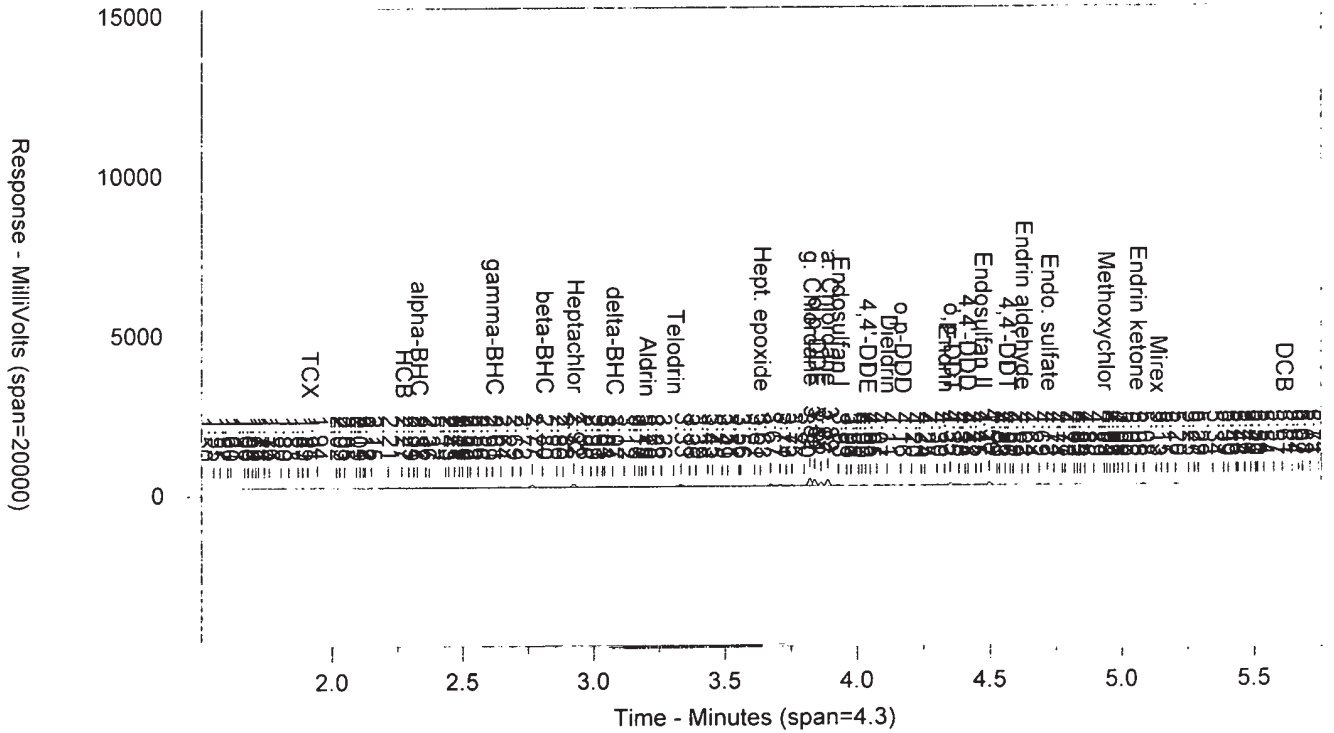
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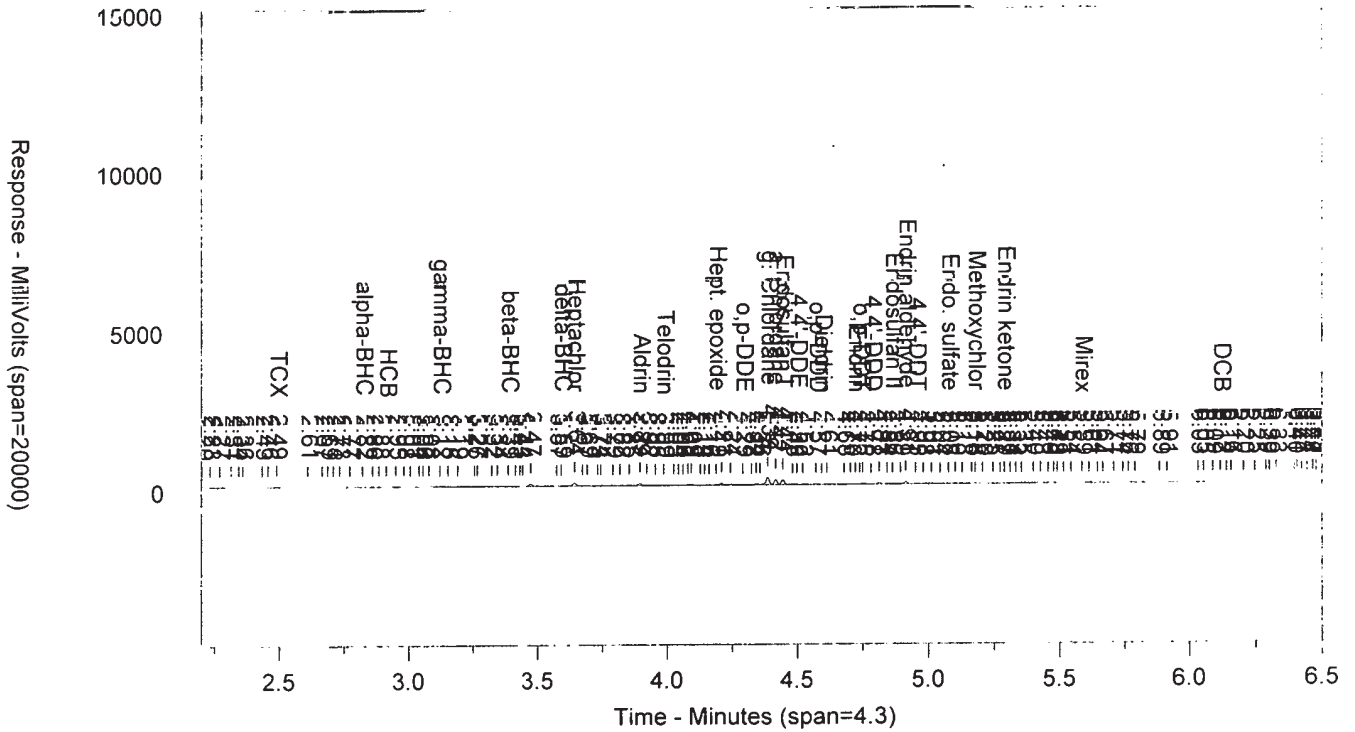
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD21824D AACHLD2AA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
Injected On: 9/28/2018 8:37:21 PM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Date File: 35pest18271001.026.RAW
Method File: 35PESTD1.MET
Calibration File: 35pest1827101.CAL

RT A	Compound A	Height A	Area A
.008		698	187
.026		868	207
.049		729	188
1.533		1345	329
1.552		6396	8409
1.608		3463	4012
1.661		1409	1458
1.7		529	272
1.726		837	184
1.731		817	136
1.739		816	380
1.784		982	300
1.799		930	387
1.839		845	348
1.864		043	376
1.877		832	388
1.895		792	180
1.912	TCX	799	245
1.941		74542	79215
1.993		823	429
2.009		487	321
2.022		834	216
2.036		554	156
2.065		863	323
2.088		1137	303
2.106		734	142
2.123		1082	409
2.144		780	516
2.161		794	289
2.211		12459	11000
2.261	HCB	8470	8028
2.293		650	159
2.3		852	326
2.316	alpha-BHC	1048	353
2.349		1206	756
2.382		899	203
2.401		939	421
2.42		493	166
2.429		815	153
2.444		686	260
2.462		636	104
2.469		608	155
2.478		787	145
2.5		939	166
2.527		6111	8949
2.556		4168	3580
2.579		559	133
2.607		871	393
2.615	gamma-BHC	725	114
2.641		10649	9975
2.679		2586	1057
2.686		3071	2468
2.714		5635	5855
2.762		120458	120966

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
2.801	beta-BHC	16011	15654
2.86		3230	2573
2.921	Heptachlor	168099	171975
2.953		8506	8162
3.013		18712	19900
3.039		8143	7498
3.081	delta-BHC	1057	594
3.113		12995	14806
3.15		687	112
3.159		1370	645
3.199	Aldrin	3775	3565
3.224		13708	13776
3.255		11488	11422
3.292	Telodrin	964	322
3.331		96469	146548
3.363		6422	5081
3.386		18407	17982
3.432		45800	50103
3.45		14087	11571
3.487		15580	17826
3.509		13727	12604
3.531		3454	2787
3.551		10686	15665
3.582		628	307
3.609		28659	23688
3.632	Hept. epoxidc	4492	3390
3.67		108892	101593
3.706		86541	76579
3.729		32173	29151
3.75		54373	56385
3.796		38161	37794
3.819	g. Chlordane	439913	380661
3.838	o,p-DDE	341116	283382
3.862		190289	158690
3.888	a. Chlordane	355798	292795
3.927	Endosulfan I	36802	37738
3.975		17443	18334
4.029	4,4'-DDE	8759	12580
4.047		6344	5431
4.069		43466	36065
4.109	Dieldrin	35892	32603
4.161	o,p-DDD	23918	18940
4.18		4730	2823
4.204		9582	12216
4.236		5442	3526
4.251		14291	11085
4.284		10250	6505
4.298		24815	23449
4.312	Endrin	14280	8977
4.328		16613	11813
4.348	o,p-DDT	118108	109430
4.377		20022	16522
4.398	4,4'-DDD	664	97
4.415		4680	2614
4.443		24497	17563
4.465	Endosulfan II	16433	19611
4.494		167945	126087
4.532		5173	4893
4.553	4,4'-DDT	9832	7874
4.617	Endrin aldehyde	2286	1805
4.638		1055	554
4.683		31752	27357
4.713	Endo. sulfate	13666	13333
4.739		3550	2428
4.781		1491	903
4.798		695	247

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
4.817		2853	2332
4.839		3103	1412
4.856		2363	1345
4.885		1407	1078
4.905		1191	418
4.92	Methoxychlor	964	305
4.937		2121	1844
4.956		858	161
4.964		776	306
4.98		4024	2829
4.997		3682	3103
5.025		563	103
5.05	Endrin ketone	1435	963
5.079		18611	19707
5.128	Mirex	756	107
5.142		984	309
5.149		1010	339
5.173		770	371
5.201		10245	8046
5.22		842	239
5.254		2048	1599
5.268		1138	421
5.309		1266	779
5.338		859	191
5.347		859	153
5.395		1140	304
5.43		1017	537
5.464		705	156
5.471		732	129
5.492		733	213
5.507		677	158
5.523		701	247
5.533		1056	572
5.558		496	79
5.564		794	247
5.578		608	242
5.601	DCB	4184	3742
5.639		688	130
5.668		263	166
5.75		844	238
5.76		661	149
5.773		683	136
5.789		399	80
5.8		796	286
5.827		790	200
5.839		729	286
5.873		955	793
5.888		523	128
5.912		521	301
5.964		1838	1936
5.981		596	240
6.014		706	243
6.044		784	141
6.063		499	188
6.083		663	308
6.094		547	220
6.116		497	422
6.14		525	224
6.172		940	702
6.209		446	410
6.215		617	110
6.241		711	183
6.26		483	205
6.289		546	186
6.299		910	537
6.316		923	289

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
6.333		748	224
6.37		503	156
6.385		664	204
6.415		493	442
6.431		816	176
6.48		716	526
6.488		760	286
6.527		536	314
6.545		638	133
6.581		432	85
6.6		476	148
6.622		642	191
6.635		824	329
6.648		1106	234
6.679		660	331
6.719		686	113
6.737		863	302
6.756		481	98
6.778		644	89
6.819		791	768
6.832		564	171
6.842		942	208
6.857		797	165
6.874		563	111
6.889		788	283
6.914		1007	286
6.95		967	768
6.958		443	129
6.982		777	200
6.992		762	222
7.003		588	171
7.029		674	481
7.047		864	201
7.061		619	111
7.087		773	502
7.113		945	490
7.145		383	286
7.167		897	305
7.222		920	477
7.241		954	331
7.275		1007	617
7.288		742	462
7.31		911	222
7.323		950	239

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD21824D AACHLD2AA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
Injected On: 9/28/2018 8:37:21 PM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Data File: 35pest18271001B.026.RAW
Method File: 35PESTDIB.MET
Calibration File: 35pest1827101b.CAL

RT B	Compound B	Height B	Area B
.024		636	141
.043		554	104
1.519		9941	5438
1.528		12643	17133
1.59		3387	3298
1.626		3788	6896
1.668		3884	6147
1.699		1745	1158
1.729		12525	16192
1.769		571	191
1.8		566	279
1.824		7306	9968
1.873		528	122
1.92		960	624
1.957		6591	8119
2.031		4038	4773
2.067		507	104
2.09		497	175
2.125		483	218
2.139		1043	372
2.156		2093	3302
2.202		2884	2659
2.237		1799	1578
2.268		954	746
2.316		764	348
2.325		687	263
2.348		349	105
2.396		688	271
2.435		607	262
2.491	TCX	60645	63734
2.538		357	119
2.55		453	232
2.604		797	727
2.625		423	121
2.641		556	195
2.657		369	107
2.677		417	127
2.742		486	108
2.749		684	259
2.777		473	130
2.792		276	122
2.828	alpha-BHC	463	351
2.86		8808	7277
2.885		4243	3606
2.93	HCB	573	174
2.986		641	371
3.08		1151	807
3.121	gamma-BHC	620	380
3.158		1231	918
3.184		658	153
3.203		600	166
3.233		1800	1468
3.269		2831	2501
3.3		598	195

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
3.345		8524	7945
3.39		3363	3390
3.434		1159	659
3.474		112388	110836
3.567		590	156
3.596	delta-BHC	2945	3555
3.644	Heptachlor	159148	146330
3.674		9354	7511
3.691		15897	15720
3.728		1067	742
3.749		2608	2838
3.792		3282	2915
3.822		3726	3132
3.855		17608	19587
3.896	Aldrin	118092	100790
3.921		12706	12021
3.956	Telodrin	16128	17545
3.99		9755	9440
4.027		13118	16943
4.046		11719	11271
4.062		7544	4282
4.082		27199	18874
4.095		49258	47068
4.134		2951	1919
4.141		3343	2444
4.161		1066	1363
4.189	Hept. epoxide	15990	13097
4.211		105065	102750
4.245		67073	78234
4.291	o,p-DDE	12115	13608
4.325		10420	9023
4.344		57651	51844
4.36		29963	19472
4.388	g. Chlordane	412446	360686
4.419	a. Chlordane	282254	226865
4.446	Endosulfan I	267552	221351
4.483		11960	9446
4.5	4,4'-DDE	5372	3925
4.521		5081	5920
4.572	o,p-DDD	36803	36281
4.615		31830	29880
4.681		8686	14784
4.705		14543	11134
4.723	Endrin	19896	23319
4.758		19248	20526
4.783	4,4'-DDD	7151	7211
4.813		93986	72559
4.842		25173	20989
4.863	Endosulfan II	23372	26850
4.894		17831	16694
4.913	Endrin aldehyde	114516	88857
4.952	4,4'-DDT	13952	12077
4.982		4676	6963
5.011		4244	3994
5.032		578	253
5.044		1339	715
5.079	Endo. sulfate	3392	2585
5.104		25604	21903
5.13		5414	3416
5.164		1286	666
5.18	Methoxychlor	2722	1523
5.208		2045	1300
5.25		3228	2949
5.28		1005	663
5.308	Endrin ketone	1043	731
5.334		2189	1322

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
5.356		2339	1722
5.399		2584	1674
5.429		8415	6005
5.457		2547	1752
5.478		6543	4944
5.491		6650	4735
5.544		2068	1245
5.574	Mirex	572	126
5.623		560	214
5.666		1560	1584
5.703		572	351
5.722		689	451
5.734		790	299
5.777		383	101
5.797		515	121
5.811		402	257
5.87		596	253
5.899		699	124
5.921		629	147
5.933		485	183
5.953		522	239
5.989		890	384
6.028		469	79
6.042		567	244
6.058		531	259
6.092		531	98
6.118	DCB	568	293
6.135		441	317
6.156		825	192
6.172		555	121
6.244		1970	1970
6.323		1094	1327
6.35		554	187
6.375		696	647
6.399		379	200
6.444		825	389
6.468		357	92
6.518		538	154
6.562		549	181
6.583		631	380
6.612		384	79
6.646		566	178
6.664		448	152
6.687		621	464
6.752		529	311
6.773		755	332
6.797		629	156
6.807		753	180
6.816		381	76
6.834		358	178
6.9		652	257
6.948		573	123
6.964		522	405
6.974		591	235
7.001		584	115
7.033		712	229
7.07		640	259
7.095		359	186
7.115		438	208
7.149		594	131
7.171		403	181
7.204		639	148
7.218		629	283
7.232		549	258
7.249		513	134
7.276		347	89

Chrom Perfect Chromatogram Report

<u>RT B</u>	<u>Compound B</u>	<u>Height B</u>	<u>Area B</u>
7.305		478	116
7.328		490	140

CHLD21824D

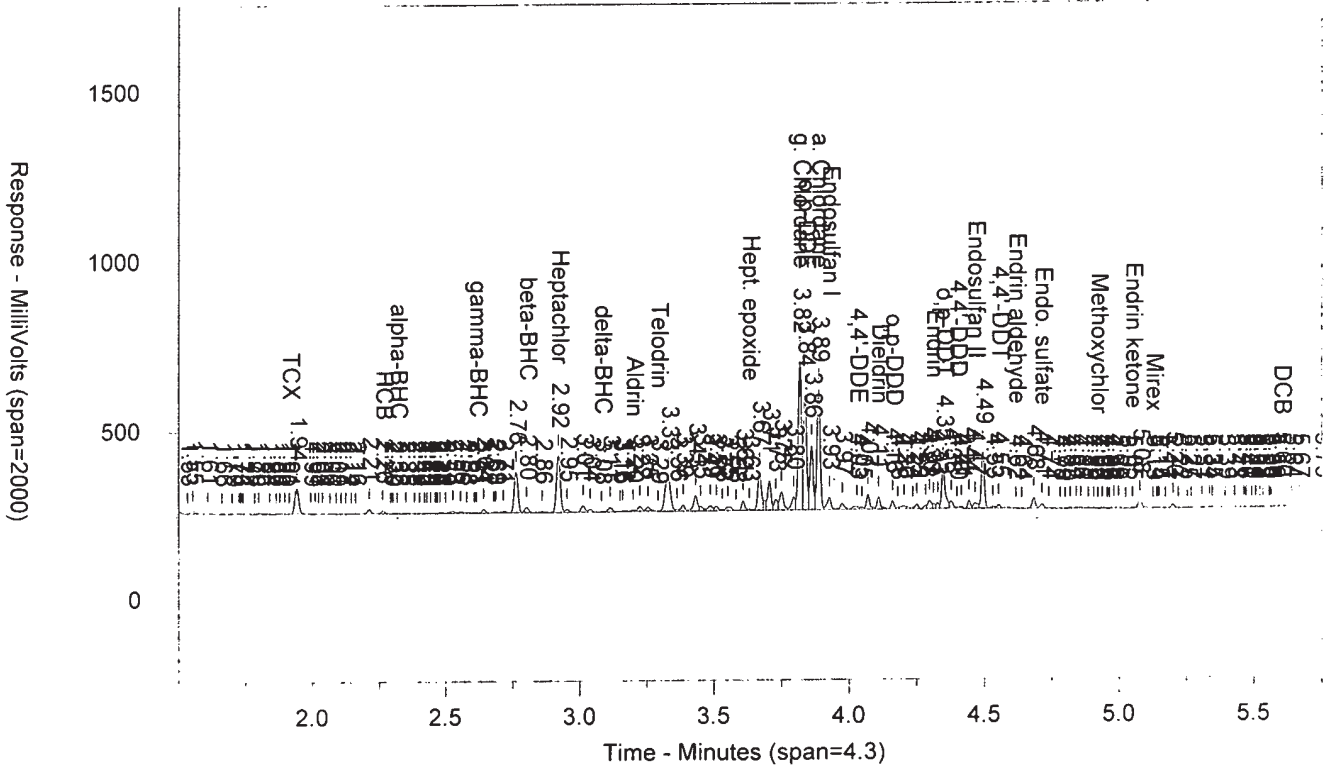
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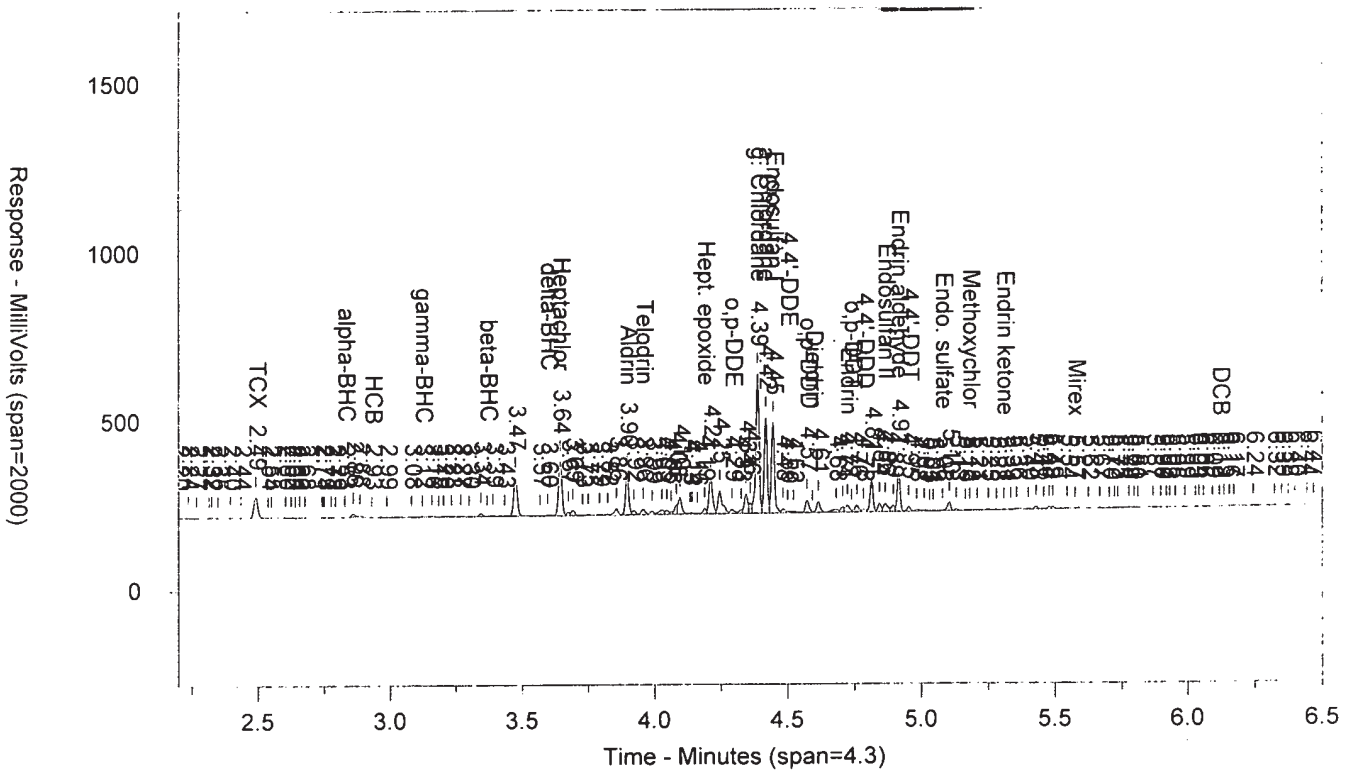
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SW-846 8081A

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\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.026.RAW



Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD21824D AACHLD2AA ICAL 1827099999 00177 SW-846 8081A
 Injected On: 9/28/2018 8:37:21 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.912	799	.006	TCX	2.491	60645	.49	TCX
2.261	8470	.05	HCB	2.93	573	.004	HCB
2.316	1048	.005	alpha-BHC	2.828	463	.003	alpha-BHC
2.615	725	.004	gamma-BHC	3.121	620	.004	gamma-BHC
2.801	16011	.17	beta-BHC		0		beta-BHC
2.921	168099	.951	Heptachlor	3.644	159148	.999	Heptachlor
3.081	1057	.005	delta-BHC	3.596	2945	.016	delta-BHC
3.199	3775	.02	Aldrin	3.896	118092	.699	Aldrin
3.292	964	.007	Telodrin	3.956	16128	.142	Telodrin
3.632	4492	.023	Hept. epoxide	4.189	15990	-.299	Hept. epoxide
3.819	439913	2.18	g. Chlordane	4.388	412446	2.61	g. Chlordane
3.838	341116	2.611	o,p-DDE	4.291	12115	.121	o,p-DDE
3.888	355798	1.78	a. Chlordane	4.419	282254	1.671	a. Chlordane
3.927	36802	.194	Endosulfan I	4.446	267552	1.632	Endosulfan I
4.029	8759	.045	4,4'-DDE	4.5	5372	.035	4,4'-DDE
4.109	35892	.175	Dieldrin		0		Dieldrin
4.161	23918	.203	o,p-DDD	4.572	36803	.417	o,p-DDD
4.312	14280	.077	Endrin	4.723	19896	.153	Endrin
4.348	118108	.936	o,p-DDT		0		o,p-DDT
4.398	664	.004	4,4'-DDD	4.783	7151	.057	4,4'-DDD
4.465	16433	.089	Endosulfan II	4.863	23372	.175	Endosulfan II
4.553	9832	.065	4,4'-DDT	4.952	13952	.119	4,4'-DDT
4.617	2286	.015	Endrin aldehyde	4.913	114516	1.036	Endrin aldehyde
4.713	13666	.082	Endo. sulfate	5.079	3392	.027	Endo. sulfate
4.92	964	.013	Methoxychlor	5.18	2722	.05	Methoxychlor
5.05	1435	.007	Endrin ketone	5.308	1043	-.689	Endrin ketone
5.128	756	.006	Mirex	5.574	572	.008	Mirex
5.601	4184	-1.168	DCB	6.118	568	-2.393	DCB

Files:

Area File: 35pest18271001.026.RAW
 Area File: 35pest18271001B.026.RAW
 Method A: 35PESTD1.MET
 Method B: 35PESTD1B.MET
 Calibration File A: 35pest1827101.CAL
 Calibration File B: 35pest1827101b.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 9/28/2018 8:44:42 PM
 File Reported On: 10/3/2018 at 7:08:44 PM

CHLD21824D

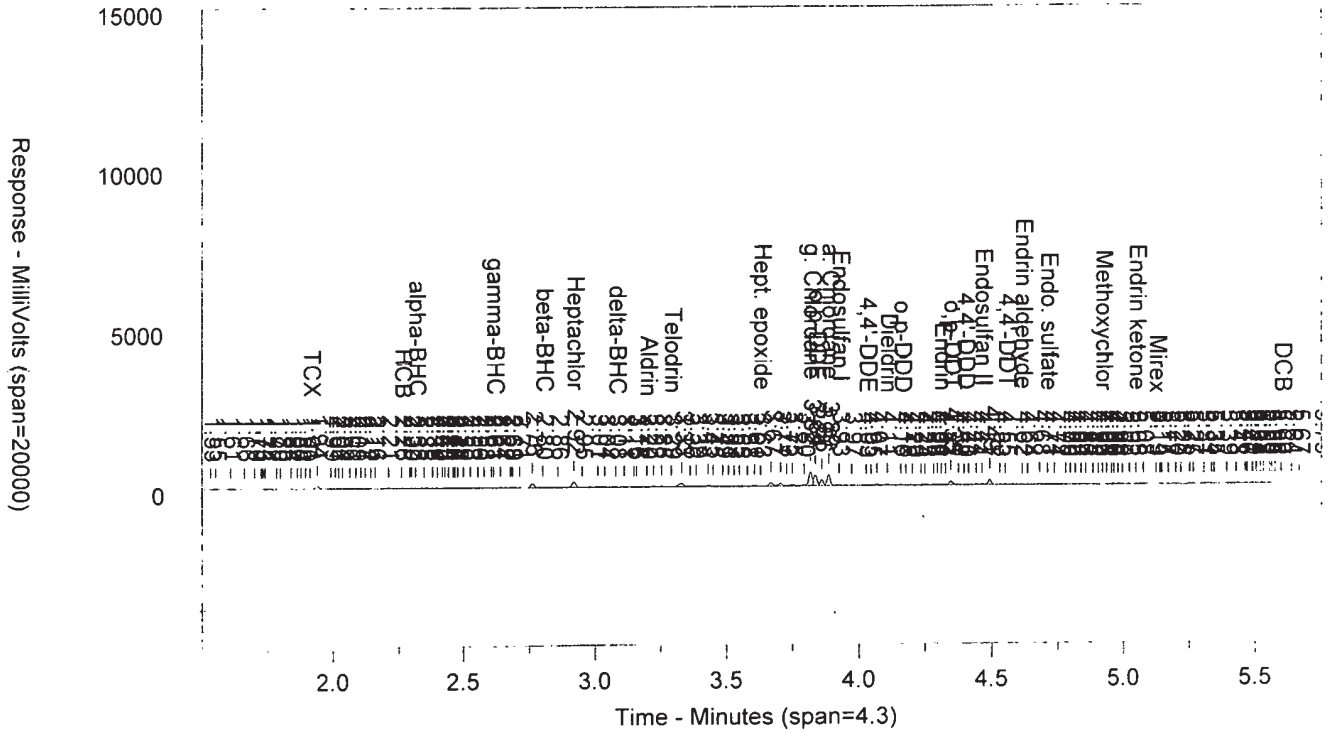
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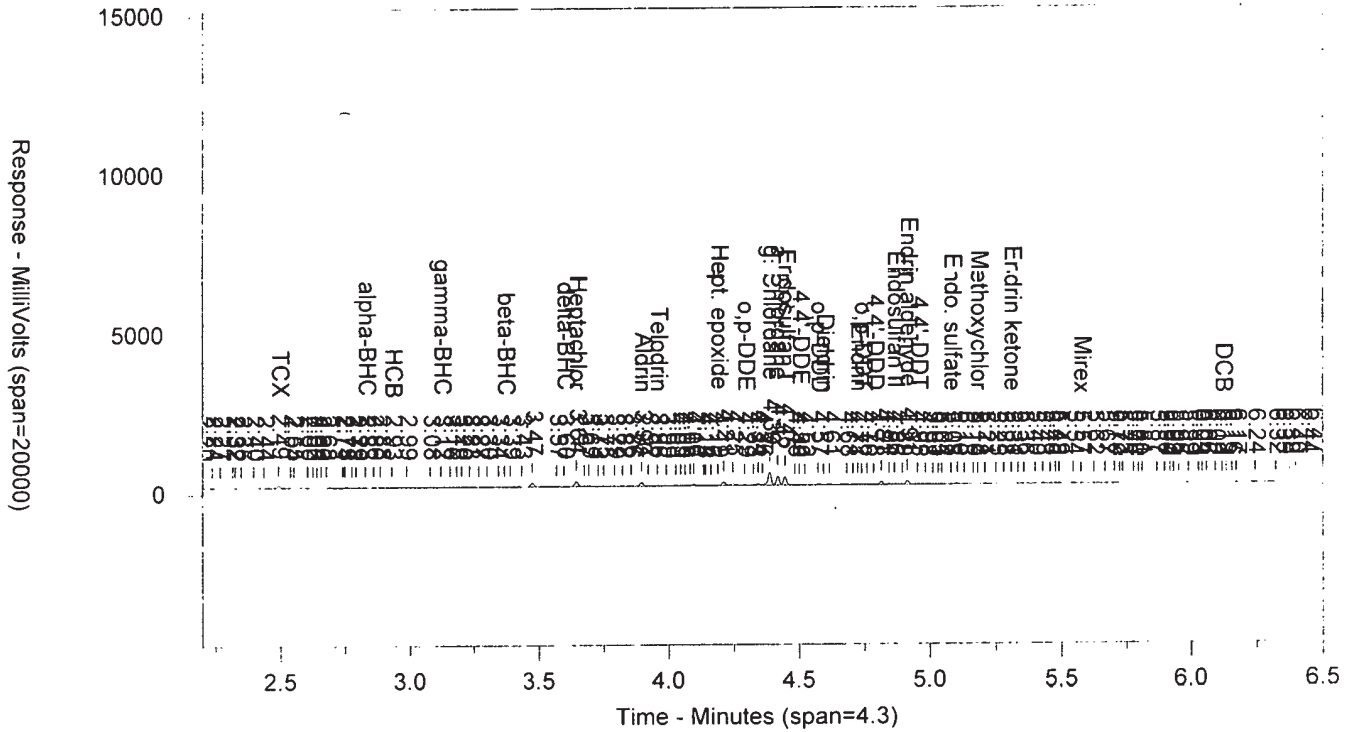
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD31824D AACHLD3AA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
 Injected On: 9/28/2018 8:47:46 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB CLP2 30m x 0.32mm x 0.25um
 Date File: 35pest18271001.027.RAW
 Method File: 35PESTDI.MET
 Calibration File: 35pest1827101.CAL

RT A	Compound A	Height A	Area A
.016		832	205
.025		758	280
.059		589	470
.082		288	176
1.501		2809	767
1.546		11597	5278
1.556		12606	11918
1.609		8045	8927
1.7		679	708
1.716		545	105
1.728		1493	491
1.76		2612	1329
1.77		2388	710
1.786		708	149
1.803		3173	3088
1.834		1358	765
1.867		525	247
1.888		728	330
1.908	TCX	626	155
1.942		156887	172352
1.989		813	378
2.01		458	112
2.023		856	169
2.038		550	258
2.048		1086	231
2.075		634	284
2.103		1047	355
2.111		1109	192
2.123		1087	635
2.137		668	256
2.15		854	296
2.213		26595	25462
2.264	HCB	18143	18154
2.305		464	133
2.321	alpha-BHC	943	144
2.336		493	148
2.349		1288	652
2.378		1084	343
2.397		864	283
2.407		845	109
2.439		729	156
2.454		1437	572
2.473		1433	622
2.487		1002	466
2.528		14250	19477
2.558		9572	8845
2.587		1095	651
2.605	gamma-BHC	905	212
2.644		22556	22242
2.687		6382	8316
2.718		11944	11958
2.764		267631	266845
2.803	beta-BHC	36749	37526
2.861		2888	2238

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
2.922	Heptachlor	362516	375654
2.954		19328	18160
2.98		912	333
3.013		41372	44306
3.04		17520	16944
3.073	delta-BHC	1181	682
3.081		1942	1090
3.114		27691	33943
3.166		2451	2368
3.199	Aldrin	8804	7868
3.225		32423	33205
3.256		29013	35255
3.332		201913	306342
3.364		9693	8548
3.387		34025	30343
3.433		92790	96091
3.452		25604	18707
3.488		27290	29887
3.51		24989	20716
3.532		2003	694
3.554		4996	4479
3.586		1184	172
3.61		61029	51886
3.634	Hept. epoxide	8782	10289
3.671		234056	225258
3.707		187862	166709
3.731		71269	62445
3.752		117357	122034
3.775		15003	5843
3.798		81990	83612
3.82	g. Chlordane	925472	799881
3.839	o,p-DDE	737092	630128
3.863		418088	341608
3.889	a. Chlordane	751969	635755
3.928	Endosulfan I	79663	90090
3.976		41144	49560
4.024	4,4'-DDE	21705	34456
4.045		17179	13891
4.071		96022	83838
4.11	Dieldrin	79354	78693
4.162	o,p-DDD	55453	47242
4.18		12949	7982
4.193		16965	8374
4.205		23696	22488
4.237		14080	9157
4.253		33842	28715
4.299		56100	91780
4.329	Endrin	42095	32056
4.349	o,p-DDT	262426	250948
4.376		42476	33035
4.416	4,4'-DDD	17299	22364
4.445		53415	39290
4.469	Endosulfan II	34646	42181
4.496		353822	279021
4.534		13648	20841
4.574	4,4'-DDT	6981	3350
4.579		6849	3228
4.59		7538	5097
4.618	Endrin aldehyde	4869	3796
4.639		3306	2161
4.684		69476	60108
4.716	Endo. sulfate	31371	30574
4.74		8617	7651
4.766		1583	874
4.782		3851	2647
4.818		6396	4955

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
4.841		5859	2999
4.858		4512	2695
4.886		2377	1610
4.906		2253	979
4.937	Methoxychlor	1270	949
4.982		7415	5963
4.998		7608	6281
5.03		1094	356
5.052	Endrin ketone	2201	1241
5.08		42546	49436
5.102		7052	6286
5.122	Mirex	5444	4578
5.145		4868	4652
5.177		1315	831
5.203		21792	17905
5.252		4221	4304
5.3		8061	11108
5.342		3776	2443
5.354		4469	5527
5.401		2573	2022
5.435		3799	3134
5.465		8259	9561
5.527		858	297
5.536		1163	504
5.549		537	103
5.556		1120	305
5.571		734	115
5.581	DCB	606	129
5.605		7622	6855
5.64		8163	8181
5.69		730	155
5.708		178	187
5.724		770	360
5.755		1147	573
5.777		1142	1085
5.804		1183	515
5.834		6549	10458
5.895		582	239
5.907		681	112
5.959		1051	534
5.974		674	119
5.993		507	122
6.011		667	212
6.035		687	219
6.044		472	164
6.051		631	125
6.09		831	215
6.1		607	252
6.11		659	154
6.134		728	150
6.15		450	107
6.164		1103	451
6.181		732	123
6.197		783	514
6.214		1259	633
6.239		712	201
6.277		548	127
6.322		946	145
6.329		809	310
6.344		858	173
6.355		791	267
6.366		1026	226
6.373		517	148
6.385		813	468
6.41		840	392
6.426		654	379

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
6.44		684	244
6.469		956	553
6.501		735	99
6.512		618	99
6.554		942	264
6.574		563	144
6.59		723	435
6.608		831	173
6.716		860	360
6.727		830	216
6.748		757	509
6.763		659	148
6.783		666	111
6.8		959	312
6.821		785	449
6.844		612	270
6.862		839	239
6.878		575	105
6.89		575	164
6.9		645	190
6.946		479	256
6.963		584	184
6.986		766	254
7.001		778	244
7.018		745	385
7.032		686	103
7.058		671	344
7.078		770	321
7.101		383	123
7.11		761	180
7.125		730	418
7.142		1047	349
7.16		646	207
7.191		530	310
7.198		1030	191
7.217		640	254
7.234		1010	495
7.253		820	147
7.271		629	92
7.287		706	226
7.297		676	178

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD31824D AACHLD3AA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
 Injected On: 9/28/2018 8:47:46 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB CLP2 30m x 0.32mm x 0.25um
 Data File: 35pest18271001B.027.RAW
 Method File: 35PESTDIB.MET
 Calibration File: 35pest1827101b.CAL

RT B	Compound B	Height B	Area B
.06		543	214
.067		563	257
1.518		19772	11395
1.529		24300	26679
1.6		565	897
1.624		1191	565
1.636		961	359
1.661		971	464
1.732		12804	15859
1.768		432	163
1.793		998	518
1.826		15507	20863
1.875		427	105
1.919		1189	794
1.927		1458	892
1.957		13527	17126
2.033		7756	9172
2.117		462	150
2.158		2848	4295
2.205		4416	4890
2.238		1159	956
2.327		611	339
2.396		573	266
2.412		395	183
2.492	TCX	130309	139459
2.575		348	86
2.586		521	203
2.597		544	132
2.649		496	247
2.747		404	95
2.764		600	166
2.798		1166	999
2.861		17575	16374
2.885		9508	7737
2.934		484	121
2.957		541	335
3.014		636	307
3.021		785	296
3.06		408	293
3.08		1826	1887
3.122	gamma-BHC	2842	2371
3.157		4373	5425
3.207		3337	3582
3.233		5366	5868
3.268		5593	5787
3.345		18375	18292
3.39		7116	6766
3.412		1280	1121
3.437		1561	1011
3.475		238391	234403
3.557		623	167
3.598	delta-BHC	5622	5520
3.645	Heptachlor	335654	314305
3.674		21125	17551

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
3.692		36546	34189
3.726		1798	1308
3.751		5736	6076
3.792		7896	7471
3.821		8451	7790
3.855		39700	46387
3.896	Aldrin	238235	213960
3.922		29968	28143
3.957	Telodrin	37987	41963
3.99		23373	22969
4.028		30381	41413
4.046		27631	26181
4.064		18306	11941
4.082		60228	40336
4.095		101636	105844
4.131		8007	6506
4.145		9106	8023
4.163		6600	4965
4.189	Hept. epoxide	36577	32924
4.211		233132	222902
4.245		145883	175517
4.292	o,p-DDE	29206	36111
4.326		26388	21873
4.344		126623	115218
4.359		69072	44107
4.388	g. Chlordane	882741	775744
4.419	a. Chlordane	598126	481420
4.446	Endosulfan I	568954	472023
4.484		27704	25681
4.499	4,4'-DDE	13651	10005
4.52		13974	20959
4.573	o,p-DDD	84354	89430
4.615		70549	73112
4.663		12945	11019
4.681		21458	29168
4.705		35316	27954
4.724	Endrin	46276	53908
4.758		43169	47274
4.783	4,4'-DDD	17687	19413
4.813		200812	156272
4.843		45892	41335
4.863	Endosulfan II	52281	63412
4.894		32890	29876
4.914	Endrin aldehyde	247983	187839
4.952	4,4'-DDT	31100	27193
4.983		11108	17323
5.014		9107	9602
5.049		3806	3608
5.08	Endo. sulfate	8412	6447
5.104		56237	49526
5.13		12801	9873
5.165		2466	1632
5.179	Methoxychlor	5788	3934
5.208		5847	4566
5.249		7412	5741
5.28	Endrin ketone	3145	3327
5.316		4410	4569
5.335		4592	3363
5.357		7440	6930
5.399		6685	5428
5.429		19404	13849
5.456		5814	4575
5.478		14802	11754
5.492		15023	10889
5.521		2045	1419
5.543		5594	5555

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
5.571	Mirex	3825	3725
5.584		2425	1879
5.612		567	134
5.645		1589	580
5.668		3653	3139
5.693		845	318
5.712		610	300
5.736		1465	1206
5.754		652	215
5.762		653	306
5.781		1948	1479
5.831		487	92
5.848		1526	1180
5.886		941	546
5.93		1115	893
5.946		560	89
5.986		431	207
6.015		621	193
6.049		575	180
6.092		626	145
6.126	DCB	466	247
6.164		650	733
6.182		1589	1274
6.209		523	191
6.224		427	123
6.249		4394	6396
6.316		413	99
6.387		442	88
6.394		797	188
6.409		583	246
6.428		544	178
6.442		874	211
6.521		565	144
6.527		647	135
6.545		1040	566
6.567		624	163
6.602		577	302
6.616		558	241
6.639		745	532
6.668		480	103
6.694		648	254
6.749		599	113
6.775		321	203
6.791		441	77
6.803		623	245
6.85		652	208
6.881		586	121
6.917		626	585
6.964		882	302
6.992		482	112
7.064		614	154
7.075		576	223
7.107		1351	2490
7.186		732	416
7.215		610	340
7.261		457	278
7.273		739	211
7.297		660	157

CHLD31824D

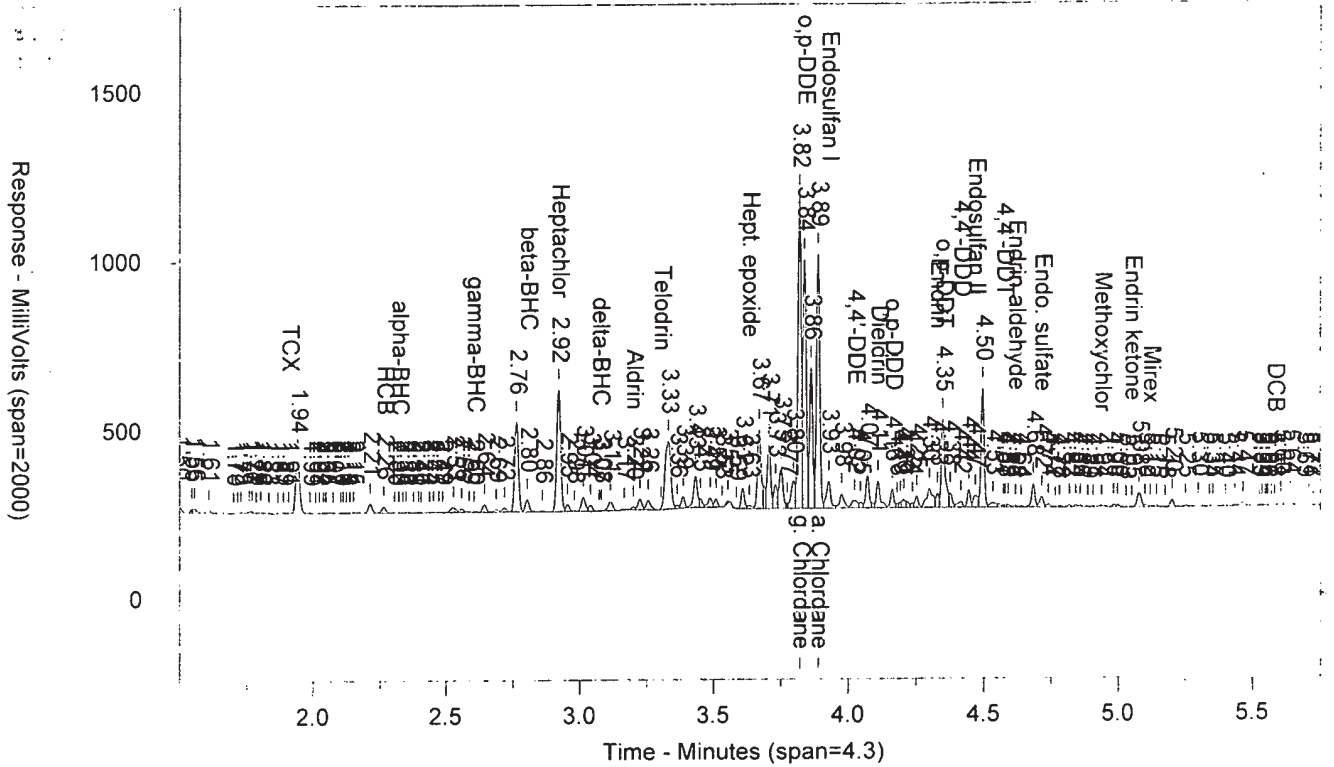
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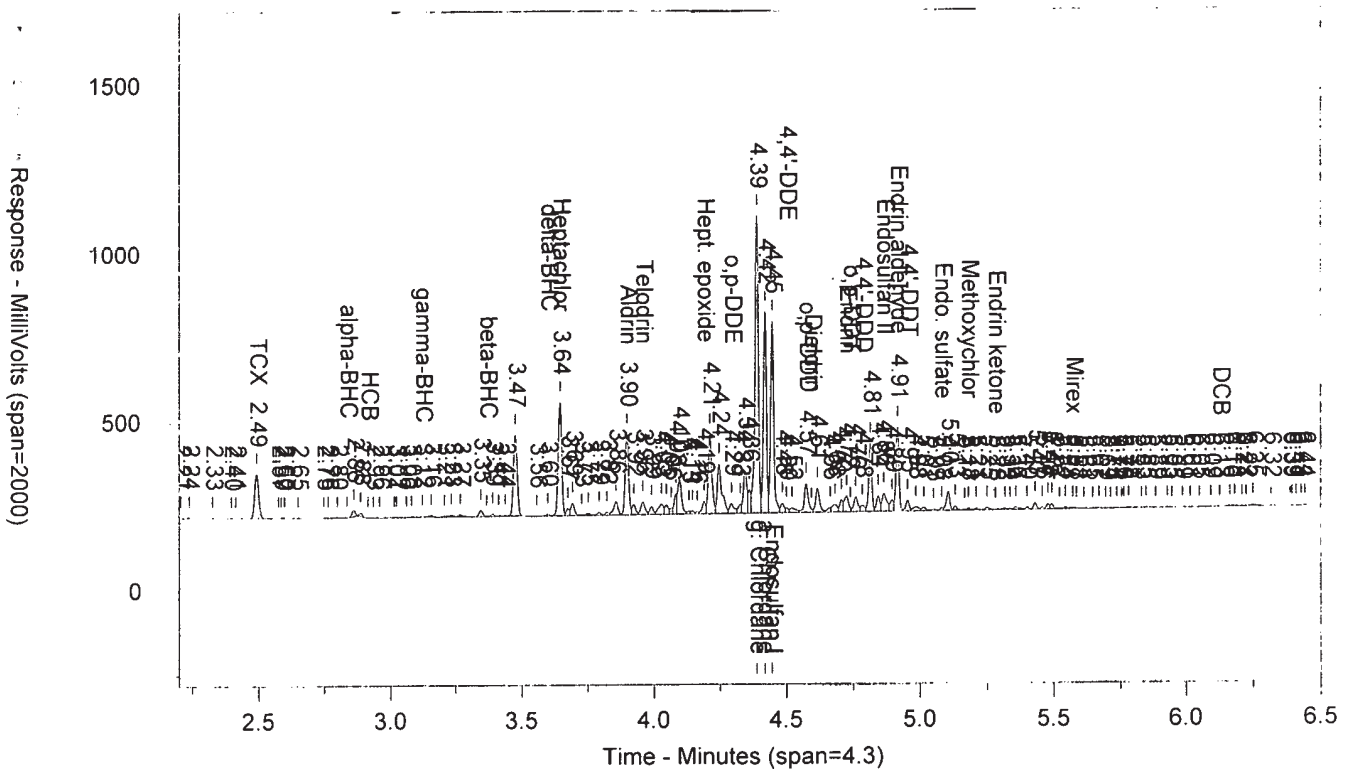
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD31824D AACHLD3AA ICAL 182709999 00177 SW-846 8081A
 Injected On: 9/28/2018 8:47:46 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.908	626	.005	TCX	2.492	130309	1.053	TCX
2.264	18143	.107	HCB		0		HCB
2.321	943	.004	alpha-BHC		0		alpha-BHC
2.605	905	.005	gamma-BHC	3.122	2842	.018	gamma-BHC
2.803	36749	.391	beta-BHC		0		beta-BHC
2.922	362516	2.05	Heptachlor	3.645	335654	2.107	Heptachlor
3.073	1181	.006	delta-BHC	3.598	5622	.03	delta-BHC
3.199	8804	.046	Aldrin	3.896	238235	1.409	Aldrin
3.634	8782	.046	Hept. epoxide	4.189	36577	-.146	Hept. epoxide
3.82	925472	4.587	g. Chlordane	4.388	882741	5.585	g. Chlordane
3.839	737092	5.642	o,p-DDE	4.292	29206	.293	o,p-DDE
3.889	751969	3.763	a. Chlordane	4.419	598126	4.13	a. Chlordane
3.928	79663	.42	Endosulfan I	4.446	568954	3.938	Endosulfan I
	0		Telodrin	3.957	37987	.334	Telodrin
4.024	21705	.111	4,4'-DDE	4.499	13651	.09	4,4'-DDE
4.11	79354	.386	Dieldrin		0		Dieldrin
4.162	55453	.471	o,p-DDD	4.573	84354	.956	o,p-DDD
4.329	42095	.228	Endrin	4.724	46276	.357	Endrin
4.349	262426	2.08	o,p-DDT		0		o,p-DDT
4.416	17200	.100	4,4'-DDD	4.783	17687	.142	4,4'-DDD
4.469	34646	.187	Endosulfan II	4.863	52281	.391	Endosulfan II
4.574	6981	.046	4,4'-DDT	4.952	31100	.266	4,4'-DDT
4.618	4869	.032	Endrin aldehyde	4.914	247983	2.244	Endrin aldehyde
4.716	31371	.189	Endo. sulfate	5.08	8412	.067	Endo. sulfate
4.937	1270	.018	Methoxychlor	5.179	5788	.107	Methoxychlor
5.052	2201	.011	Endrin ketone	5.28	3145	-.671	Endrin ketone
5.122	5444	.042	Mirex	5.571	3825	.052	Mirex
5.581	606	-1.199	DCB	6.126	466	-2.395	DCB

Files:

Area File: 35pest18271001.027.RAW
 Area File: 35pest18271001B.027.RAW
 Method A: 35PESTD1.MET
 Method B: 35PESTD1B.MET
 Calibration File A: 35pest1827101.CAL
 Calibration File B: 35pest1827101b.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 9/28/2018 8:55:08 PM
 File Reported On: 10/3/2018 at 7:08:56 PM

CHLD31824D

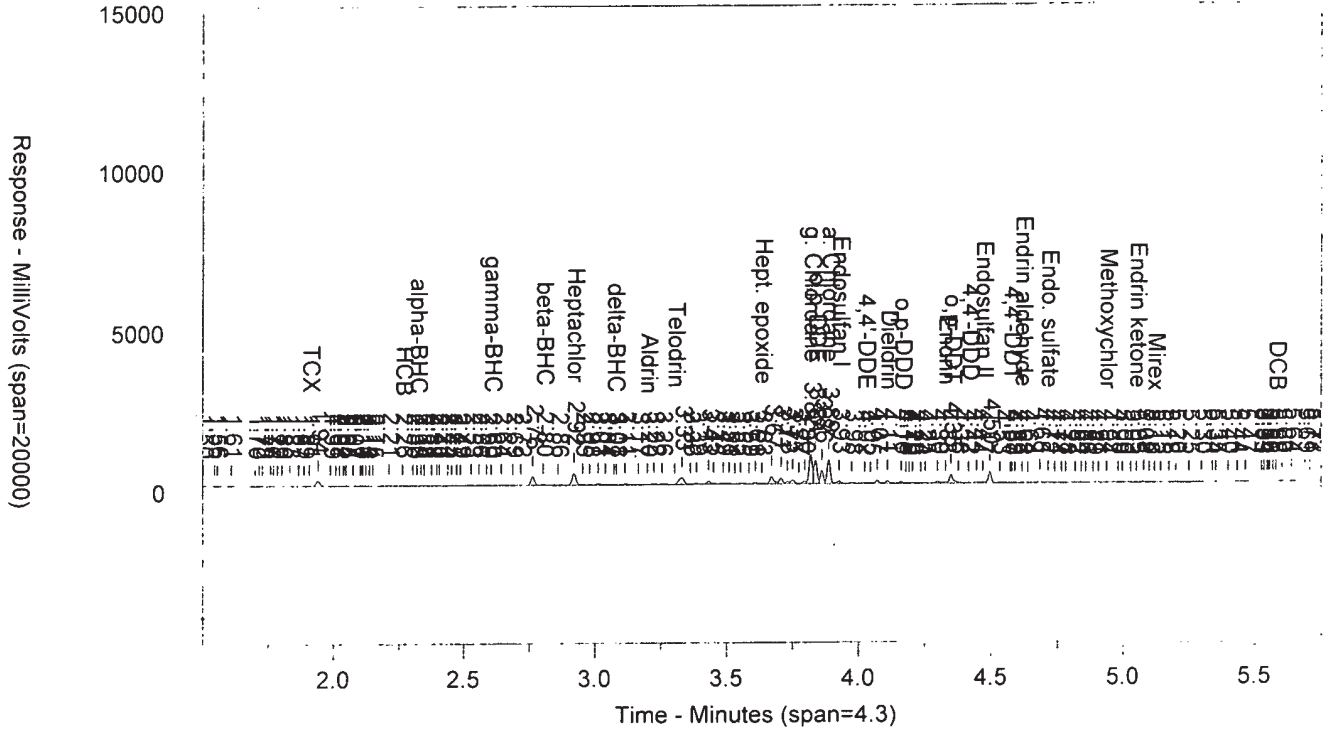
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ICAL 1827099999

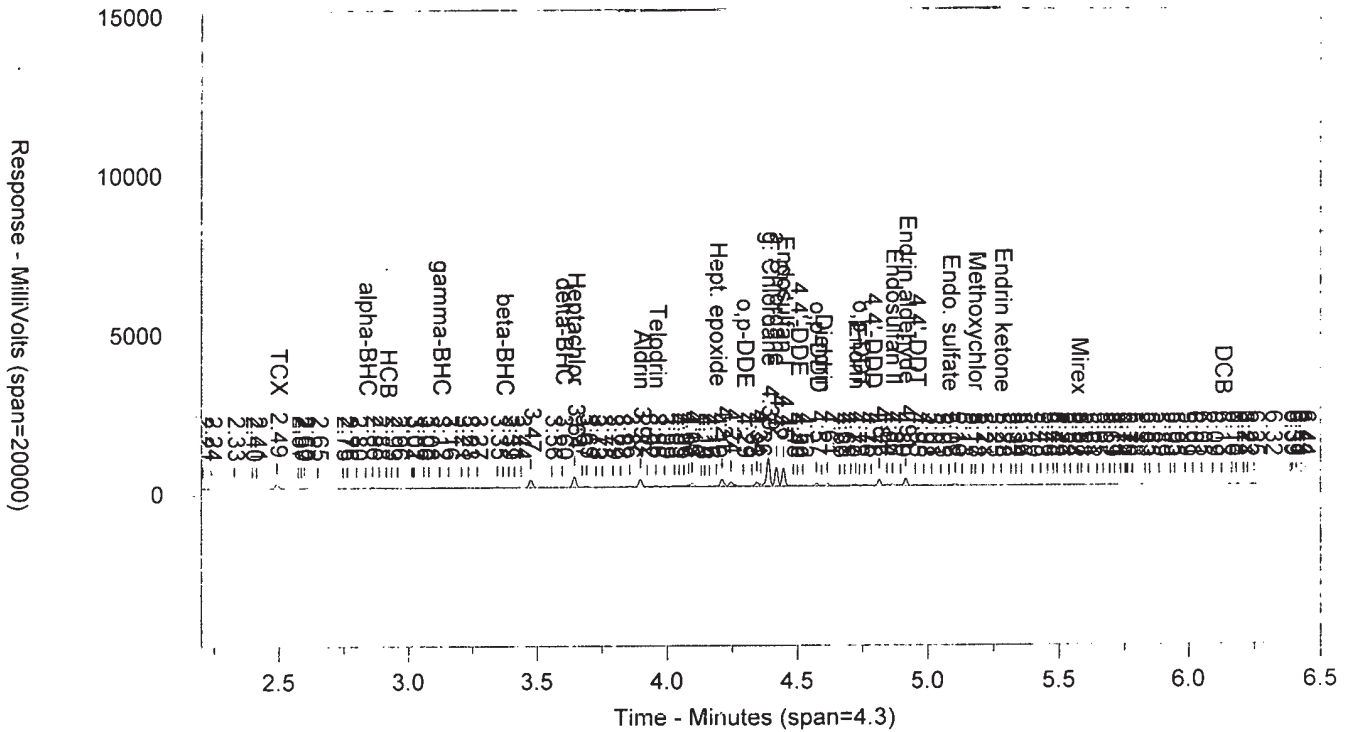
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD41824D AACHLD4AA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
 Injected On: 9/28/2018 8:58:12 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB CLP2 30m x 0.32mm x 0.25um
 Date File: 35pest18271001.028.RAW
 Method File: 35PESTD1.MET
 Calibration File: 35pest1827101.CAL

RT A	Compound A	Height A	Area A
.004		772	253
.014		754	316
.048		787	360
.061		899	201
.078		611	272
1.541		24376	15915
1.551		24923	18989
1.597		5339	2674
1.606		4696	1970
1.657		1682	1247
1.693		699	437
1.7		509	126
1.712		982	189
1.725		742	457
1.756		7409	3934
1.766		5680	2432
1.801		5509	5027
1.864		1065	565
1.874		688	266
1.912	TCX	525	278
1.937		295301	331311
2.009		1097	257
2.021		485	107
2.042		429	321
2.069		1376	1023
2.146		2753	2656
2.173		709	147
2.208		48541	48132
2.26	HCB	34574	34789
2.29		797	157
2.348		3101	3774
2.387		1426	813
2.446		2769	2634
2.467		1090	300
2.522		28907	39437
2.555		19996	18783
2.581		3337	2466
2.596	gamma-BHC	1050	195
2.639		43641	41775
2.683		12803	16942
2.714		25045	26695
2.76		506988	509164
2.799	beta-BHC	69940	74689
2.857		5215	5037
2.879		817	177
2.918	Heptachlor	696626	714512
2.951		39466	38908
2.978		4923	4277
3.009		79774	87468
3.036		36576	37174
3.111		55832	80505
3.159		13021	21501
3.195	Aldrin	23530	24551
3.221		68102	77815

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
3.251		60619	83531
3.327		376510	600767
3.361		29683	25346
3.383		78346	85553
3.429		191639	227190
3.448		63731	63111
3.484		70952	87126
3.506		63442	62916
3.528		21321	15793
3.548		51614	84413
3.579		10637	6008
3.606		120085	112263
3.63		24870	29874
3.667	Hept. epoxide	445274	503667
3.703		358017	328344
3.727		139508	124448
3.747		228447	244506
3.794		163547	183122
3.817	g. Chlordane	1732421	1551035
3.835	o,p-DDE	1409015	1156526
3.859		792271	662303
3.885	a. Chlordane	1432658	1197513
3.924	Endosulfan I	156057	183554
3.972		81300	110173
4.017		52163	82245
4.042	4,4'-DDE	37431	32866
4.067		184154	165195
4.085		33999	19868
4.106	Dieldrin	162111	170062
4.158	o,p-DDD	106254	98631
4.2		50119	107009
4.233		29715	21915
4.248		66817	62227
4.294		110681	187702
4.325	Endrin	84476	65528
4.345	o,p-DDT	487304	471909
4.371		82847	64021
4.411	4,4'-DDD	37026	48036
4.44		101541	77816
4.464		68504	79845
4.492	Endosulfan II	677068	526211
4.53		31976	48368
4.55	4,4'-DDT	18792	12686
4.572		14384	14603
4.585		14251	11226
4.612	Endrin aldehyde	9921	8741
4.636		5562	4596
4.68		128801	113480
4.711	Endo. sulfate	60321	57253
4.737		15585	13993
4.758		4151	2469
4.778		6960	5000
4.812		12436	9605
4.837		10939	5671
4.853		8812	5267
4.882		5365	4322
4.901		2985	1337
4.935	Methoxychlor	8143	10420
4.978		15358	12758
4.993		15090	12937
5.028	Endrin ketone	1646	793
5.076		81084	96918
5.116	Mirex	4889	2748
5.14		6010	6062
5.171		1088	409
5.199		41721	35247

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
5.249		8453	9329
5.265		5466	4305
5.301		5354	7893
5.336		7194	5414
5.351		7383	8596
5.396		3698	2425
5.431		7681	8343
5.462		2170	1927
5.521		420	96
5.537		1710	1138
5.561		916	551
5.601	DCB	16098	18605
5.636		2353	1769
5.696		502	138
5.711		806	459
5.724		505	163
5.741		887	217
5.75		667	201
5.757		826	503
5.802		888	396
5.809		963	256
5.832		1443	888
5.864		1371	881
5.891		590	206
5.964		3793	4104
5.995		667	193
6.021		1038	523
6.059		724	282
6.091		1422	966
6.114		1205	760
6.14		1065	215
6.165		3145	3289
6.203		736	813
6.255		392	94
6.275		1699	1567
6.334		867	563
6.353		529	207
6.37		852	395
6.38		754	185
6.397		1102	191
6.497		489	121
6.516		747	498
6.532		1101	348
6.551		794	666
6.579		549	129
6.694		881	358
6.705		592	204
6.72		697	339
6.753		796	316
6.791		770	398
6.822		780	200
6.871		868	383
6.881		638	131
6.89		629	145
6.911		710	372
6.927		800	287
6.951		964	148
6.96		690	256
6.972		1116	243
6.979		579	182
6.995		941	332
7.007		604	201
7.027		903	346
7.042		940	407
7.071		716	178
7.08		454	147

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
7.092		801	229
7.112		887	307
7.123		653	394
7.138		578	261
7.163		449	200
7.188		628	200
7.196		817	133
7.211		640	285
7.226		796	169
7.245		528	196
7.258		827	561
7.279		886	295
7.291		1089	283

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD41824D AACHLD4AA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
 Injected On: 9/28/2018 8:58:12 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB CLP2 30m x 0.32mm x 0.25um
 Data File: 35pest18271001B.028.RAW
 Method File: 35PESTDIB.MET
 Calibration File: 35pest1827101b.CAL

RT B	Compound B	Height B	Area B
.057		638	553
.095		345	75
1.527		13112	24658
1.607		1260	1882
1.624		1891	918
1.659		6627	3901
1.669		6826	4108
1.729		14920	18588
1.787		1218	792
1.82		28955	39579
1.921		1642	1821
1.956		25195	30209
2.032		15812	18019
2.062		877	419
2.092		1054	682
2.115		1631	705
2.131		2133	713
2.157		5833	7933
2.202		7298	7243
2.238		793	1406
2.253		8443	7951
2.295		543	151
2.324		2746	2877
2.372		457	161
2.453		977	406
2.49	TCX	248458	265821
2.551		593	264
2.57		527	194
2.584		503	428
2.597		613	380
2.696		707	386
2.753		573	334
2.794		3003	3948
2.825	alpha-BHC	1049	663
2.859		34723	31516
2.885		18265	14592
2.947		881	571
3.013		1633	1499
3.078		4346	5761
3.121	gamma-BHC	4707	4418
3.157		8807	11520
3.208		5185	4987
3.232		10939	11797
3.268		11324	11116
3.344		36878	36532
3.387	beta-BHC	14854	14621
3.414		2683	2384
3.436		2970	2243
3.474		451121	440259
3.529		529	168
3.557		1258	584
3.597	delta-BHC	11375	13792
3.643	Heptachlor	620885	594793
3.673		40621	33317

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
3.691		66043	65557
3.723		4449	3996
3.749		12637	14639
3.789		16897	18739
3.821		18771	17899
3.853		75684	91654
3.895	Aldrin	445725	397397
3.921		55442	55523
3.955		71862	83254
3.988	Telodrin	45453	45868
4.027		58586	84277
4.044		52342	49494
4.063		36594	24169
4.094		195137	276232
4.13		17162	13023
4.143		20458	19064
4.16		14617	11990
4.188	Hept. epoxide	71253	64568
4.21		418522	413562
4.244		278107	261831
4.26		98942	75164
4.291	o,p-DDE	57646	60656
4.323		50412	40909
4.343		232207	225144
4.359		125323	75875
4.387	g. Chlordane	1683628	1461917
4.418	a. Chlordane	1101801	896586
4.445	Endosulfan I	1047730	882068
4.482		56226	48678
4.497	4,4'-DDE	29396	21407
4.519		27833	32602
4.571	o,p-DDD	152750	172529
4.613		137898	144050
4.658		25477	20999
4.68		40536	61544
4.704		67308	57588
4.721	Endrin	84796	99994
4.757		80480	87522
4.784	4,4'-DDD	34743	39810
4.811		365543	291793
4.841		85691	78879
4.862	Endosulfan II	99588	124203
4.893		58297	53408
4.912	Endrin aldehyde	456129	349122
4.95	4,4'-DDT	59317	54676
4.983		21778	33662
5.012		19063	17638
5.045		5241	3120
5.079	Endo. sulfate	15137	12930
5.102		100919	90976
5.128		25172	17695
5.164		4801	2871
5.179	Methoxychlor	10249	6973
5.207		10007	7672
5.246		13546	13253
5.276		6159	5495
5.306	Endrin ketone	4408	4260
5.333		8414	6200
5.354		11769	9982
5.368		8400	6005
5.397		12336	9498
5.427		35179	26784
5.454		11331	8284
5.476		29327	22818
5.49		29696	22040
5.521		3222	2535

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
5.542		11088	9953
5.574	Mirex	3580	2976
5.585		4323	3790
5.612		636	288
5.628		1163	581
5.64		2039	1995
5.667		7088	6028
5.693		666	114
5.734		3417	3506
5.759		1489	1323
5.776		3533	3296
5.841		594	217
5.856		463	106
5.888		1146	1051
5.918		426	129
5.952		510	114
5.969		654	158
5.978		634	199
5.993		667	152
6.023		981	489
6.046		662	609
6.071		438	175
6.102	DCB	463	92
6.126		567	178
6.178		4453	6017
6.224		1127	665
6.244		6063	5626
6.3		1120	1252
6.395		886	921
6.443		871	148
6.5		505	241
6.514		439	180
6.546		1031	354
6.557		647	291
6.57		715	341
6.629		579	262
6.68		550	161
6.71		754	401
6.761		624	240
6.822		525	128
6.837		530	222
6.878		669	179
6.914		530	158
6.927		1075	407
6.993		541	1873
7.077		599	90
7.125		500	83
7.133		464	120
7.16		462	192
7.165		758	336
7.194		384	341
7.213		582	163
7.25		666	133
7.273		456	124
7.281		507	162
7.318		686	204

CHLD41824D

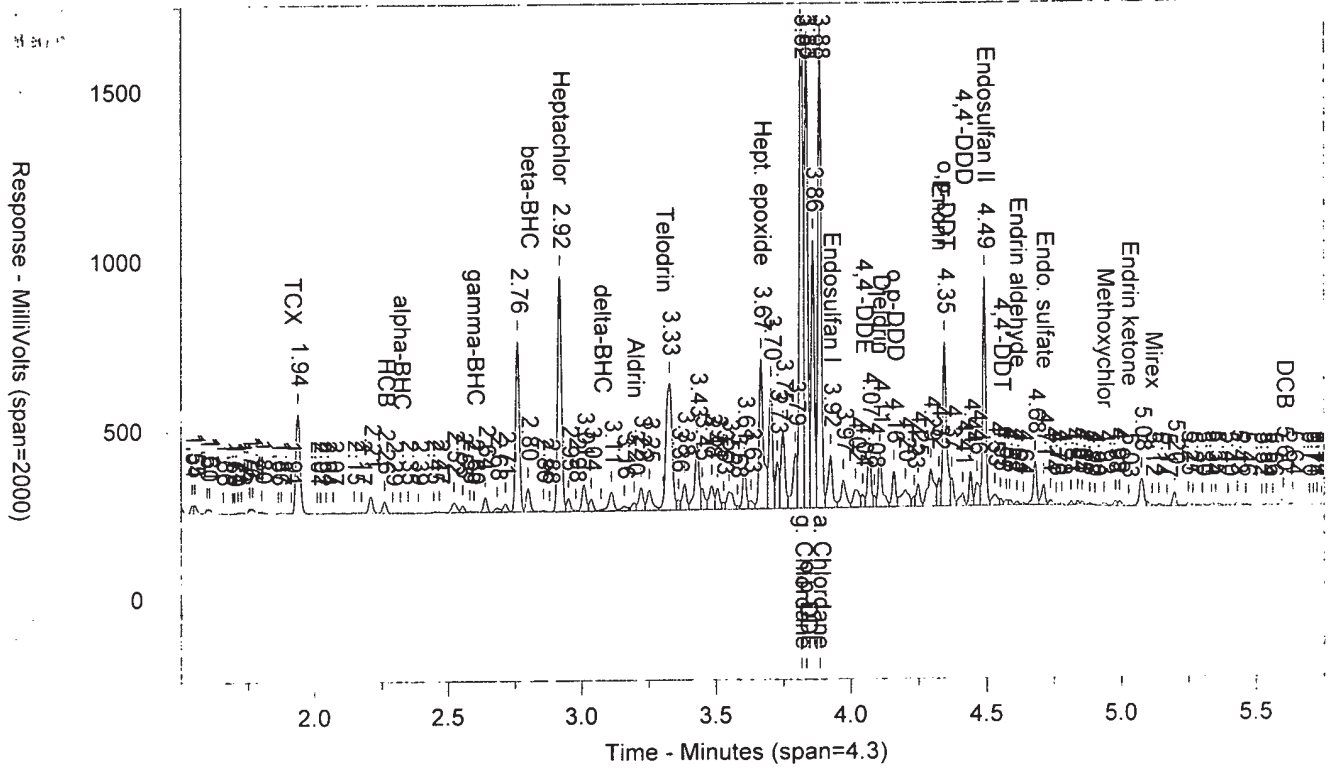
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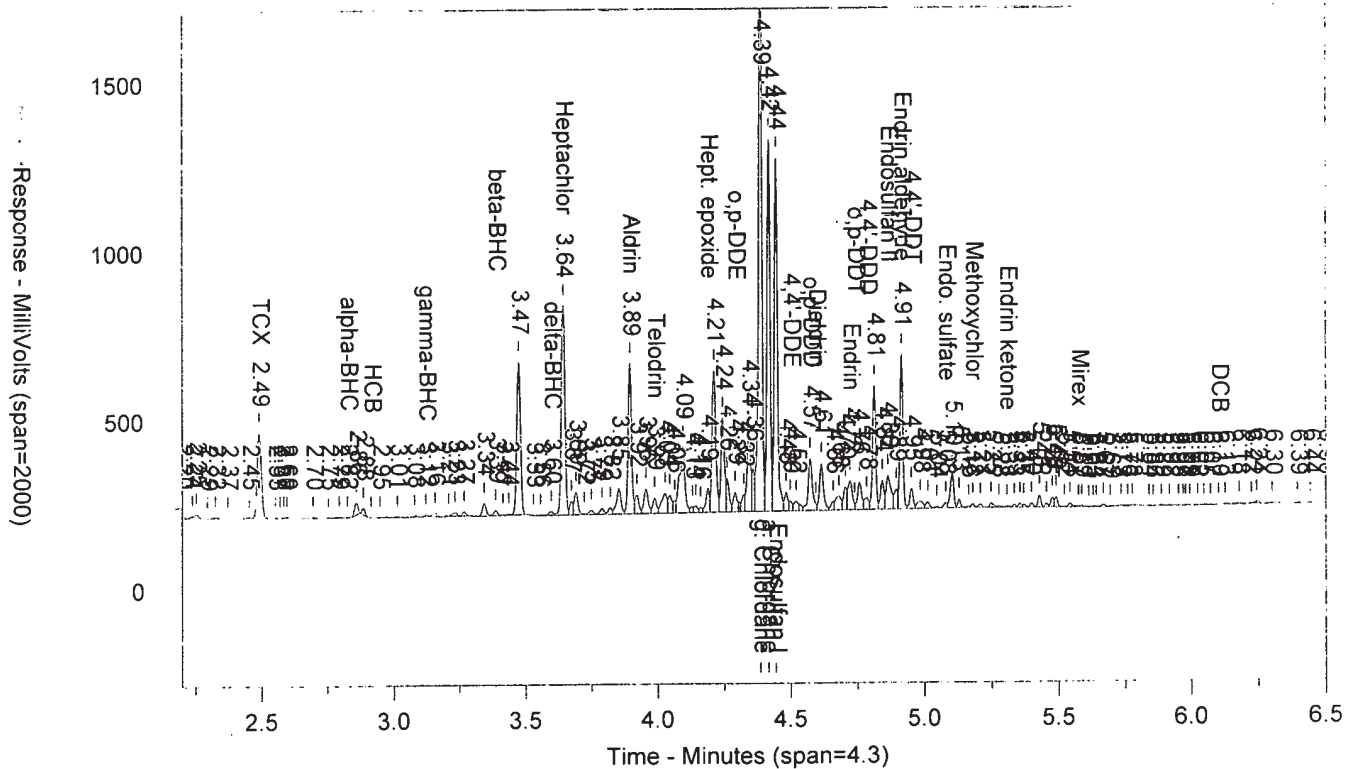
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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD41824D AACHLD4AA ICAL 1827099999 00177 SW-846 8081A
 Injected On: 9/28/2018 8:58:12 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.912	525	.004	TCX	2.49	248458	2.008	TCX
2.26	34574	.204	HCB		0		HCB
2.596	1050	.005	gamma-BHC	3.121	4707	.03	gamma-BHC
2.799	69940	.744	beta-BHC	3.387	14854	-.219	beta-BHC
	0		alpha-BHC	2.825	1049	.006	alpha-BHC
2.918	696626	3.94	Heptachlor	3.643	620885	3.897	Heptachlor
3.195	23530	.124	Aldrin	3.895	445725	2.637	Aldrin
	0		delta-BHC	3.597	11375	.06	delta-BHC
3.667	445274	2.325	Hept. epoxide	4.188	71253	.112	Hept. epoxide
3.817	1732421	8.586	g. Chlordane	4.387	1683626	10.653	g. Chlordane
3.835	1409015	10.785	o,p-DDE	4.291	57646	.578	o,p-DDE
3.885	1432658	7.169	a. Chlordane	4.418	1101801	8.052	a. Chlordane
3.924	156057	.823	Endosulfan I	4.445	1047730	7.601	Endosulfan I
	0		Telodrin	3.988	45453	.399	Telodrin
4.042	37431	.191	4,4'-DDE	4.497	29396	.193	4,4'-DDE
4.106	162111	.789	Dieldrin		0		Dieldrin
4.158	106254	.903	o,p-DDD	4.571	152750	1.731	o,p-DDD
4.325	84476	.457	Endrin	4.721	84796	.653	Endrin
4.345	487304	3.863	o,p-DDT		0		o,p-DDT
4.411	37026	.227	4,4'-DDD	4.784	34743	.278	4,4'-DDD
4.492	677068	3.664	Endosulfan II	4.862	99588	.745	Endosulfan II
4.55	18792	.124	4,4'-DDT	4.95	59317	.507	4,4'-DDT
4.612	9921	.066	Endrin aldehyde	4.912	456129	4.127	Endrin aldehyde
4.711	60321	.363	Endo. sulfate	5.079	15137	.12	Endo. sulfate
4.935	8143	.114	Methoxychlor	5.179	10249	.19	Methoxychlor
5.028	1646	.009	Endrin ketone	5.306	4408	-.66	Endrin ketone
5.116	4889	.037	Mirex	5.574	3580	.048	Mirex
5.601	16098	-1.066	DCB	6.102	463	-2.395	DCB

Files:
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 Area File: 35pest18271001B.028.RAW
 Method A: 35PESIDI.MET
 Method B: 35PESTDIB.MET
 Calibration File A: 35pest1827101.CAL
 Calibration File B: 35pest1827101b.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 9/28/2018 9:05:33 PM
 File Reported On: 10/3/2018 at 7:09:08 PM

Chrom Perfect Chromatogram Report

CHLD41824D

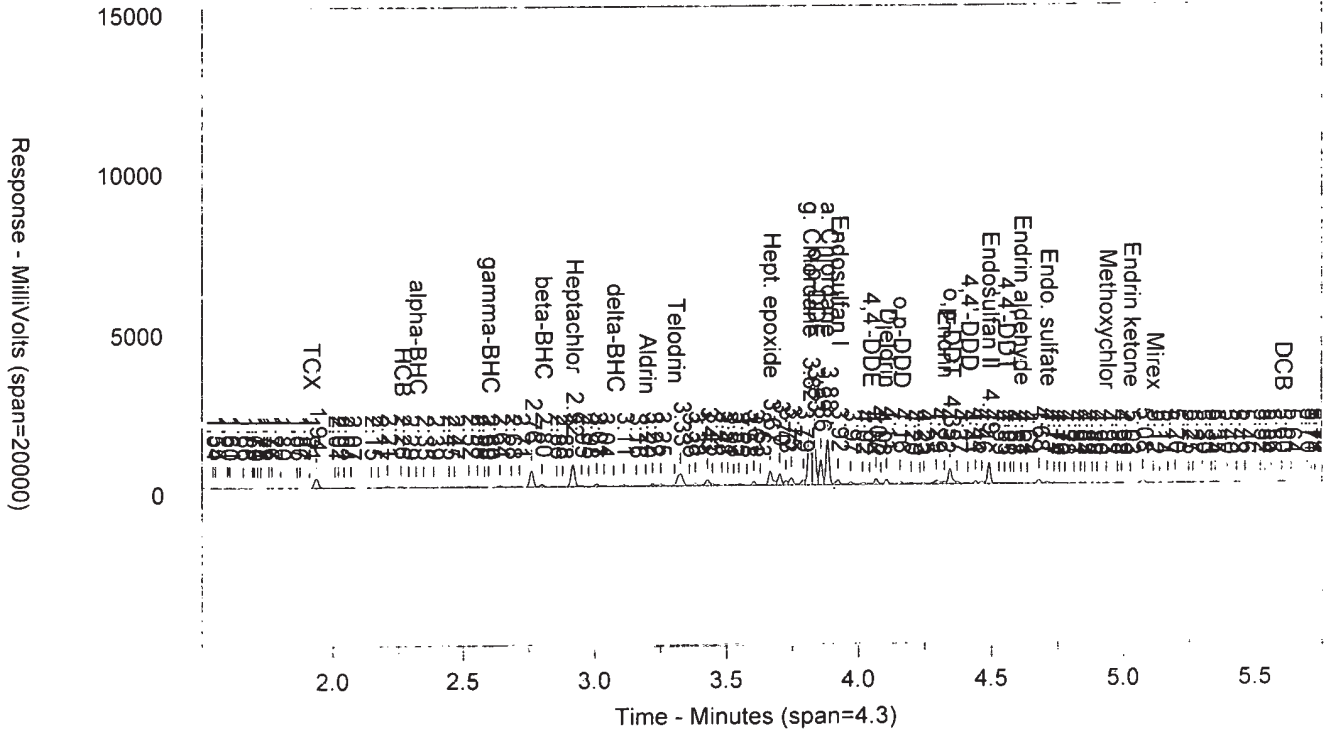
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ICAL 1827099999

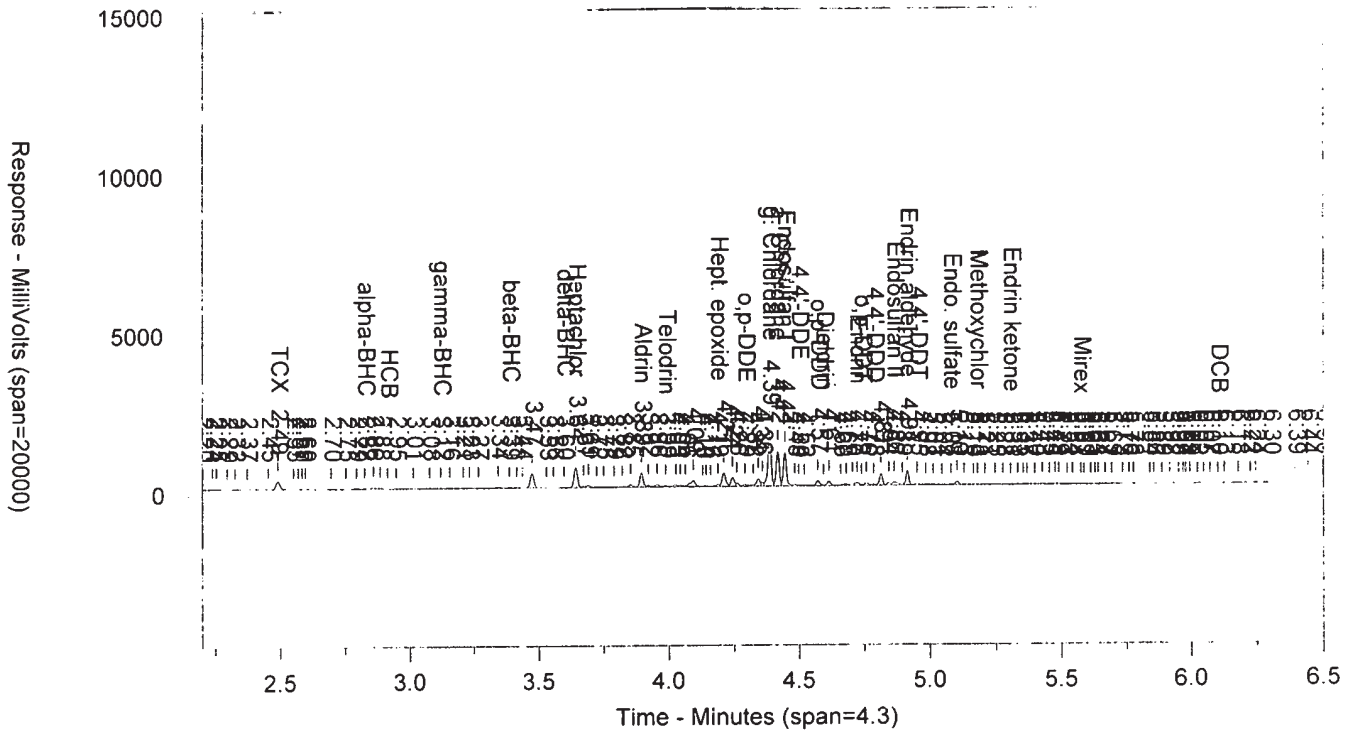
00177

SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD51824D AACHLD5AA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
Injected On: 9/28/2018 9:08:38 PM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Date File: 35pest18271001.029.RAW
Method File: 35PESTDI.MET
Calibration File: 35pest1827101.CAL

RT A	Compound A	Height A	Area A
.044		867	205
.066		814	256
.082		716	308
1.501		3847	831
1.544		40800	23685
1.555		45340	38258
1.599		6878	3052
1.61		11608	5499
1.651		1645	1817
1.686		598	128
1.724		2511	1877
1.758		45025	40553
1.804		9134	9226
1.865		749	366
1.883		1100	809
1.911	TCX	538	189
1.942		506601	595135
2.004		685	148
2.018		749	116
2.053		1387	1087
2.072		2388	1592
2.087		540	134
2.123		1184	212
2.151		7651	6913
2.178		919	532
2.211		88693	88773
2.263	HCB	61449	64719
2.313	alpha-BHC	2567	2816
2.351		4904	5925
2.394		1917	1728
2.451		7804	7068
2.471		832	251
2.525		65984	87132
2.558		37027	36531
2.587		6850	7494
2.606	gamma-BHC	3216	2146
2.643		80208	77694
2.683		18872	22935
2.717		45604	49848
2.763		930044	942274
2.802	beta-BHC	125774	134060
2.859		4069	4425
2.921	Heptachlor	1251318	1308639
2.953		71888	73577
2.979		7932	7194
3.012		141349	158001
3.038		63943	69520
3.087	delta-BHC	12072	13495
3.114		101841	131719
3.161		23977	43442
3.198	Aldrin	44153	49895
3.224		121354	142149
3.255		108856	151337
3.331		684637	1074575

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
3.363		56075	46973
3.386		147327	158226
3.432		346132	418895
3.451		115794	111467
3.487		126035	155509
3.508		113780	115904
3.531		38323	27203
3.551		94591	158009
3.608		224856	208949
3.631	Hept. epoxide	43797	54017
3.67		815533	915227
3.706		664417	605119
3.73		258570	231692
3.75		421856	449270
3.773		67857	29875
3.797		300293	310891
3.82	g. Chlordane	3285915	2846796
3.838	o,p-DDE	2580278	2192914
3.862		1466547	1214078
3.888	a. Chlordane	2593017	2228884
3.927	Endosulfan I	287403	335641
3.975		155034	204822
4.018		80934	80249
4.028	4,4'-DDE	73132	52196
4.046		69632	63016
4.07		345282	304386
4.088		61580	38586
4.109	Dieldrin	282450	255804
4.161	o,p-DDD	197473	181322
4.204		90824	198463
4.237		54208	44000
4.252		122212	108184
4.298		188367	252742
4.328	Endrin	154823	112985
4.348	o,p-DDT	902678	870021
4.375		149613	109023
4.415	4,4'-DDD	64533	86907
4.444		181800	140092
4.466	Endosulfan II	117776	140703
4.495		1204233	967362
4.532		43554	69361
4.555	4,4'-DDT	28974	21030
4.574		24939	27101
4.59		25127	18379
4.615	Endrin aldehyde	17308	14505
4.637		11127	7543
4.683		240560	215476
4.714	Endo. sulfate	110982	107496
4.739		24362	17439
4.764		5843	3873
4.781		13294	8762
4.816		23883	17374
4.84		20806	10512
4.856		17185	8768
4.883		9386	9325
4.904		8619	3885
4.919	Methoxychlor	1412	739
4.943		6403	5440
4.981		27773	23170
4.996		27721	23658
5.03	Endrin ketone	2882	1495
5.08		148068	184498
5.117	Mirex	1086	213
5.144		9267	8800
5.201		76802	61868
5.252		15769	16273

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
5.269		5559	2621
5.285		1448	405
5.303		5901	7815
5.34		9192	6478
5.353		6590	3974
5.399		7422	5185
5.433		14357	16041
5.474		3123	2186
5.497		1999	1170
5.537		3474	2143
5.56		1688	702
5.603	DCB	32412	36664
5.64		2483	1499
5.678		849	375
5.712		1079	644
5.722		1677	588
5.743		619	119
5.755		994	305
5.77		1255	384
5.802		2661	2023
5.835		2935	2315
5.868		2597	1863
5.918		938	236
5.961		3334	3722
5.995		1004	226
6.021		656	475
6.059		999	623
6.085		721	370
6.107		623	130
6.113		759	334
6.132		740	216
6.146		596	352
6.167		4180	3890
6.203		1299	1005
6.236		599	222
6.264		685	336
6.276		588	135
6.303		541	205
6.366		483	132
6.38		506	139
6.409		575	170
6.441		574	98
6.484		1027	334
6.503		1268	713
6.515		956	527
6.529		545	167
6.559		894	464
6.582		656	159
6.624		566	68
6.647		875	390
6.66		788	154
6.678		787	346
6.708		735	465
6.737		492	161
6.75		735	794
6.8		930	426
6.818		560	256
6.831		1067	270
6.84		818	271
6.855		669	293
6.882		466	258
6.899		690	124
6.922		547	150
6.946		650	371
6.972		737	135
6.982		1099	414

Chrom Perfect Chromatogram Report

IRT A	Compound A	Height A	Area A
7.014		713	255
7.021		818	196
7.043		824	151
7.056		881	568
7.072		774	126
7.079		561	158
7.089		508	231
7.127		1007	572
7.143		765	307
7.158		771	236
7.195		724	329
7.204		386	149
7.231		543	106
7.248		890	236
7.256		738	119
7.266		750	178
7.297		967	379

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD51824D AACHLD5AA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
 Injected On: 9/28/2018 9:08:38 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB CLP2 30m x 0.32mm x 0.25um
 Data File: 35pest18271001B.029.RAW
 Method File: 35PESTDIB.MET
 Calibration File: 35pest1827101b.CAL

RT B	Compound B	Height B	Area B
.059		664	303
.081		647	409
1.517		66544	40875
1.528		79517	83233
1.586		771	174
1.608		1184	570
1.625		7501	5643
1.636		6980	4936
1.661		13448	8647
1.67		13983	11929
1.7		1953	1303
1.732		19858	27632
1.826		51354	75399
1.901		566	323
1.925		3024	3643
1.957		46040	59344
2.033		27231	32602
2.118		642	148
2.126		554	182
2.157		6899	8009
2.204		11268	11206
2.251		30803	39220
2.327		5042	6216
2.395		1834	1487
2.458		2300	1752
2.492	TCX	445062	483158
2.561		454	121
2.579		869	414
2.6		2138	1875
2.636		365	50
2.645		543	219
2.682		472	90
2.688		644	117
2.751		815	597
2.793		7156	7242
2.825	alpha-BHC	1394	826
2.86		57511	53187
2.885		30831	25855
2.95		1172	938
2.971		518	153
3.013		3717	4469
3.078		8829	12044
3.124	gamma-BHC	10308	8711
3.156		16827	21923
3.207		12196	12732
3.234		30343	34316
3.268		21966	23049
3.344		67539	69055
3.388		29522	30020
3.414		8434	8370
3.438		9238	9659
3.475		814119	821147
3.508		5693	5372
3.562		2359	2236

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
3.597	delta-BHC	20970	24700
3.644	Heptachlor	1188795	1084445
3.674		73332	60455
3.692		120913	120778
3.725		9418	8826
3.751		23720	29348
3.792		32195	35435
3.821		33143	31094
3.855		134643	170950
3.896	Aldrin	810873	711078
3.923		101639	103277
3.956		127289	152413
3.989	Telodrin	82011	85995
4.028		107874	155129
4.045		95185	91219
4.064		65884	47315
4.096		350612	504643
4.131		34020	30630
4.144		36617	32140
4.162		28952	23948
4.189	Hept. epoxide	127062	119473
4.211		780954	756699
4.245		509177	608387
4.291	o,p-DDE	101250	135160
4.325		95198	80039
4.344		418862	403330
4.36		231048	141464
4.388	g. Chlordane	3110725	2722449
4.419	a. Chlordane	2049513	1645655
4.446	Endosulfan I	1867731	1604185
4.483		100521	91734
4.498	4,4'-DDE	54537	39922
4.519		50931	88364
4.572	o,p-DDD	280992	318561
4.615		261784	267346
4.659		48358	41795
4.675		73847	57008
4.682		75449	54046
4.704		121750	97845
4.722	Endrin	145813	186840
4.758		144259	159450
4.784	4,4'-DDD	64412	74118
4.813		640003	530645
4.842		149395	138396
4.863	Endosulfan II	180006	228254
4.894		101148	89490
4.914	Endrin aldehyde	822073	632032
4.952	4,4'-DDT	107833	99948
4.984		41441	64873
5.011		35385	33958
5.047		9804	6812
5.08	Endo. sulfate	29323	24767
5.103		179702	164460
5.129		46930	34804
5.164		7928	5195
5.179	Methoxychlor	19887	12535
5.207		19204	15836
5.248		25560	23662
5.277		10911	9515
5.306	Endrin ketone	7627	5908
5.333		15459	9463
5.355		18350	14899
5.37		11987	8363
5.399		21819	14982
5.428		62365	46937
5.455		20246	14461

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
5.477		52502	39847
5.491		51861	38598
5.523		3218	2922
5.542		17957	14525
5.574	Mirex	3953	2668
5.586		6239	4785
5.612		651	295
5.646		3703	3364
5.668		11972	10345
5.7		1290	780
5.733		5393	5116
5.759		1115	617
5.78		7155	5931
5.848		635	273
5.887		2797	3066
5.921		356	85
5.989		1656	1459
6.03		582	306
6.042		402	98
6.051		684	336
6.086		926	556
6.13	DCB	2338	2756
6.18		7223	9856
6.246		12703	15529
6.297		471	88
6.316		750	593
6.362		625	251
6.396		1118	897
6.445		1573	1632
6.475		587	279
6.539		572	110
6.551		720	304
6.578		696	280
6.628		611	253
6.635		600	105
6.669		476	99
6.681		657	196
6.701		584	358
6.735		731	299
6.761		693	545
6.791		442	230
6.818		521	297
6.846		740	132
6.857		857	397
6.878		680	206
6.912		470	204
6.963		503	254
6.995		594	125
7.064		681	266
7.086		404	109
7.094		656	190
7.131		347	110
7.156		488	171
7.198		600	142
7.212		576	109
7.25		504	249
7.269		686	217
7.307		637	157

CHLD51824D

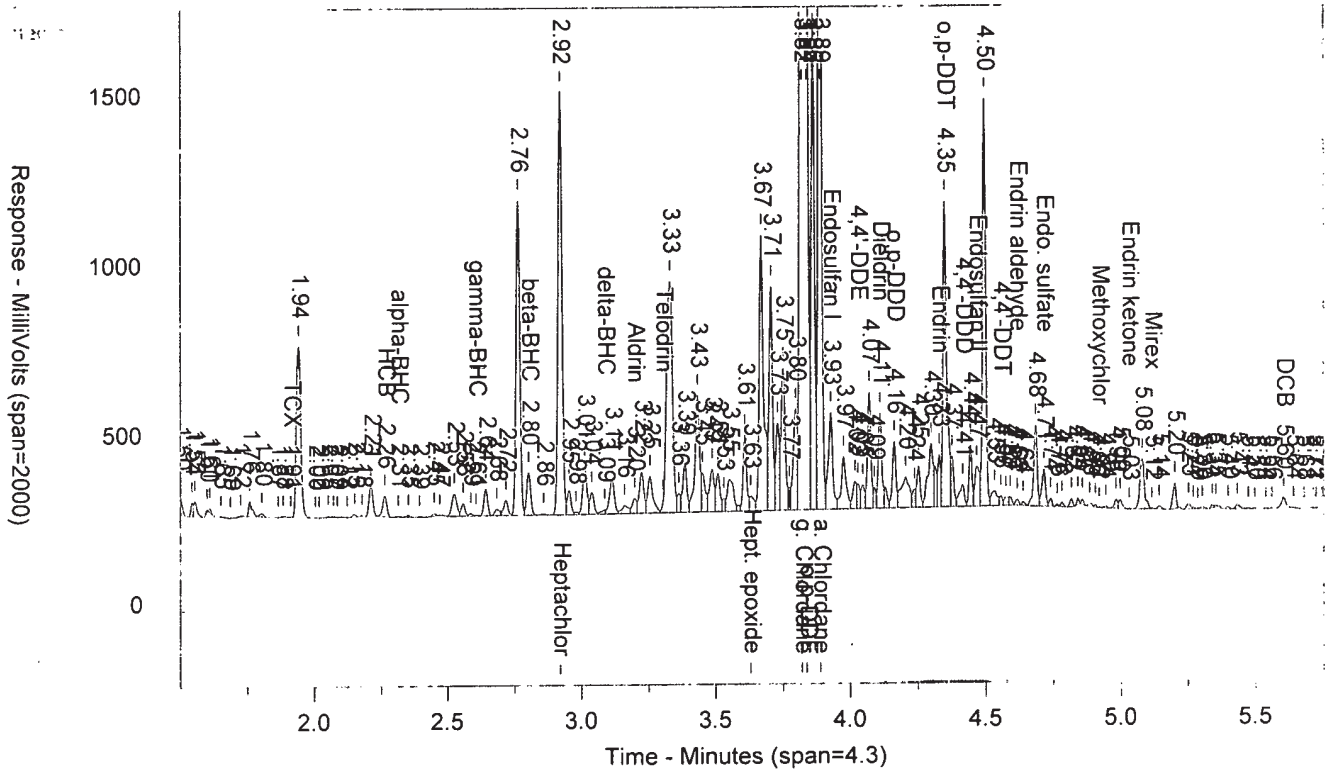
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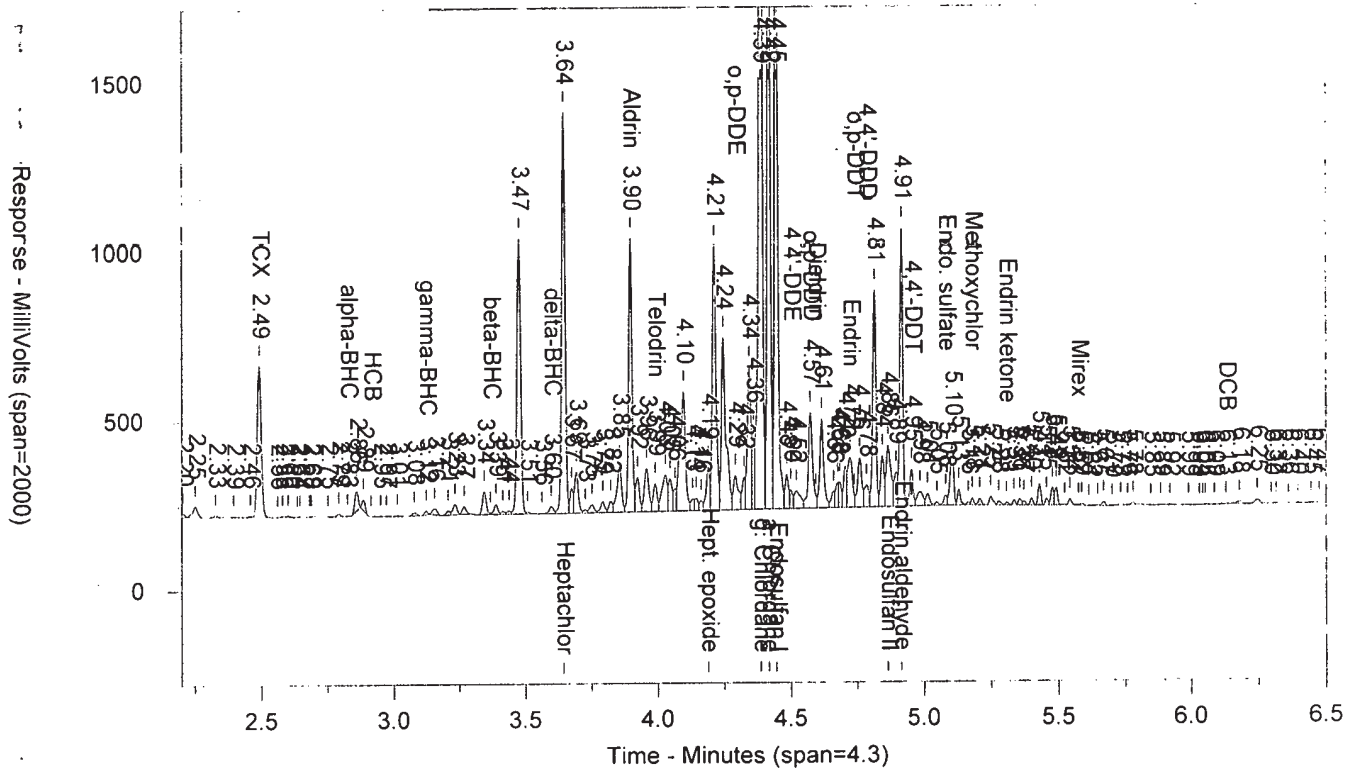
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD51824D AACHLD5AA ICAL 1827099999 00177 SW-846 8081A
 Injected On: 9/28/2018 9:08:38 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.911	538	.004	TCX	2.492	445062	3.596	TCX
2.263	61449	.363	HCX		0		HCX
2.313	2567	.012	alpha-BHC	2.825	1394	.008	alpha-BHC
2.606	3216	.016	gamma-BHC	3.124	10308	.067	gamma-BHC
2.802	125774	1.337	beta-BHC		0		beta-BHC
2.921	1251318	7.078	Heptachlor	3.644	1188795	7.462	Heptachlor
3.087	12072	.061	delta-BHC	3.597	20970	.111	delta-BHC
3.190	44153	.233	Aldrin	3.896	810873	4.797	Aldrin
3.631	43797	.229	Hept. epoxide	4.189	127062	.527	Hept. epoxide
3.82	3285915	16.285	g. Chlordane	4.388	3110725	19.682	g. Chlordane
3.838	2580278	19.75	o,p-DDE	4.291	101250	1.014	o,p-DDE
3.888	2593017	12.976	a. Chlordane	4.419	2049513	15.432	a. Chlordane
3.927	287403	1.517	Endosulfan I	4.446	1867731	13.875	Endosulfan I
	0		Telodrin	3.989	82011	.721	Telodrin
4.028	73132	.373	4,4'-DDE	4.498	54537	.358	4,4'-DDE
4.109	282450	1.374	Dieldrin		0		Dieldrin
4.161	197473	1.678	o,p-DDD	4.572	280992	3.184	o,p-DDD
4.328	154823	.837	Endrin	4.722	145813	1.124	Endrin
4.348	902678	7.156	o,p-DDT		0		o,p-DDT
4.415	64533	.396	1,1' DDD	4.704	84412	.515	4,4'-DDD
4.466	117776	.637	Endosulfan II	4.863	180006	1.346	Endosulfan II
4.555	28974	.191	4,4'-DDT	4.952	107833	.921	4,4'-DDT
4.615	17308	.115	Endrin aldehyde	4.914	822073	7.439	Endrin aldehyde
4.714	110982	.669	Endo. sulfate	5.08	29323	.233	Endo. sulfate
4.919	1412	.02	Methoxychlor	5.179	19887	.368	Methoxychlor
5.03	2882	.015	Endrin ketone	5.306	7627	-.633	Endrin ketone
5.117	1086	.008	Mirex	5.574	3953	.053	Mirex
5.603	32412	-.926	DCB	6.13	2338	-2.359	DCB

Files:

Area File: 35pest18271001.029.RAW
 Area File: 35pest18271001B.029.RAW
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 Method B: 35PESTD1B.MET
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 Calibration File B: 35pest1827101b.CAL
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 Format B: pestD35.FMTA
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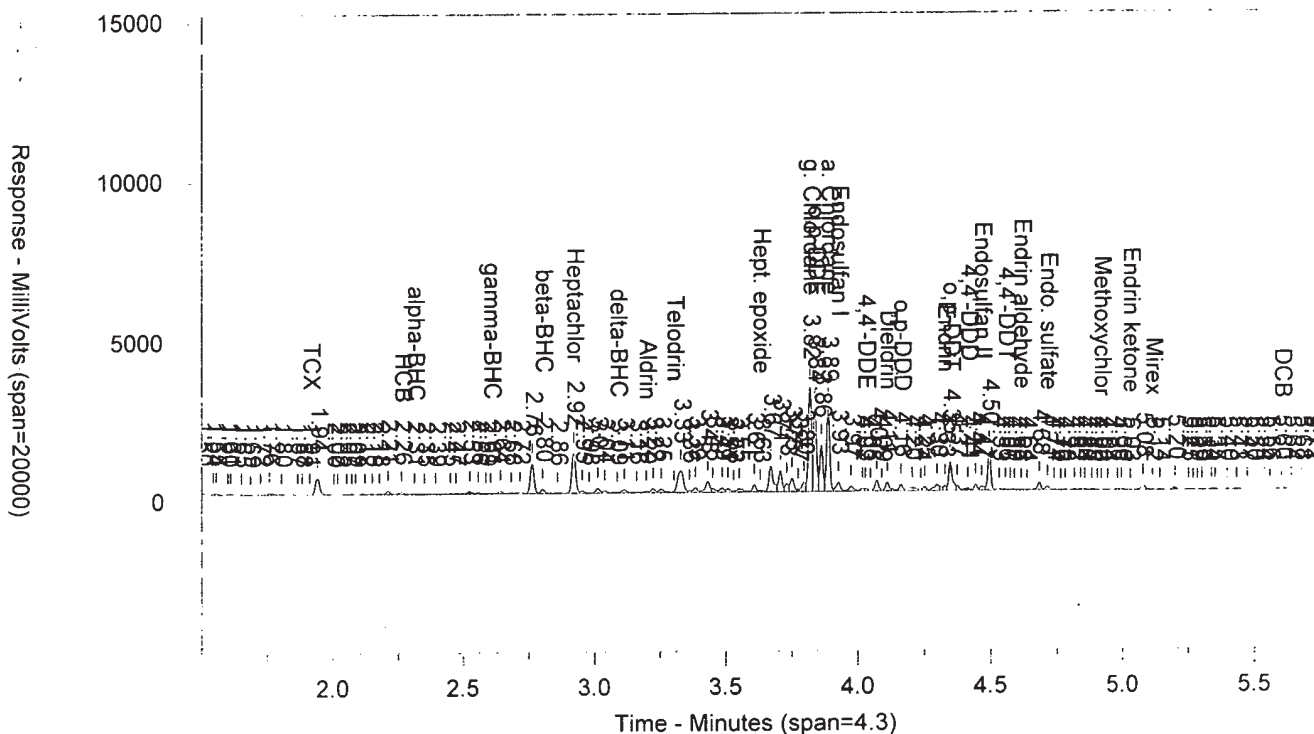
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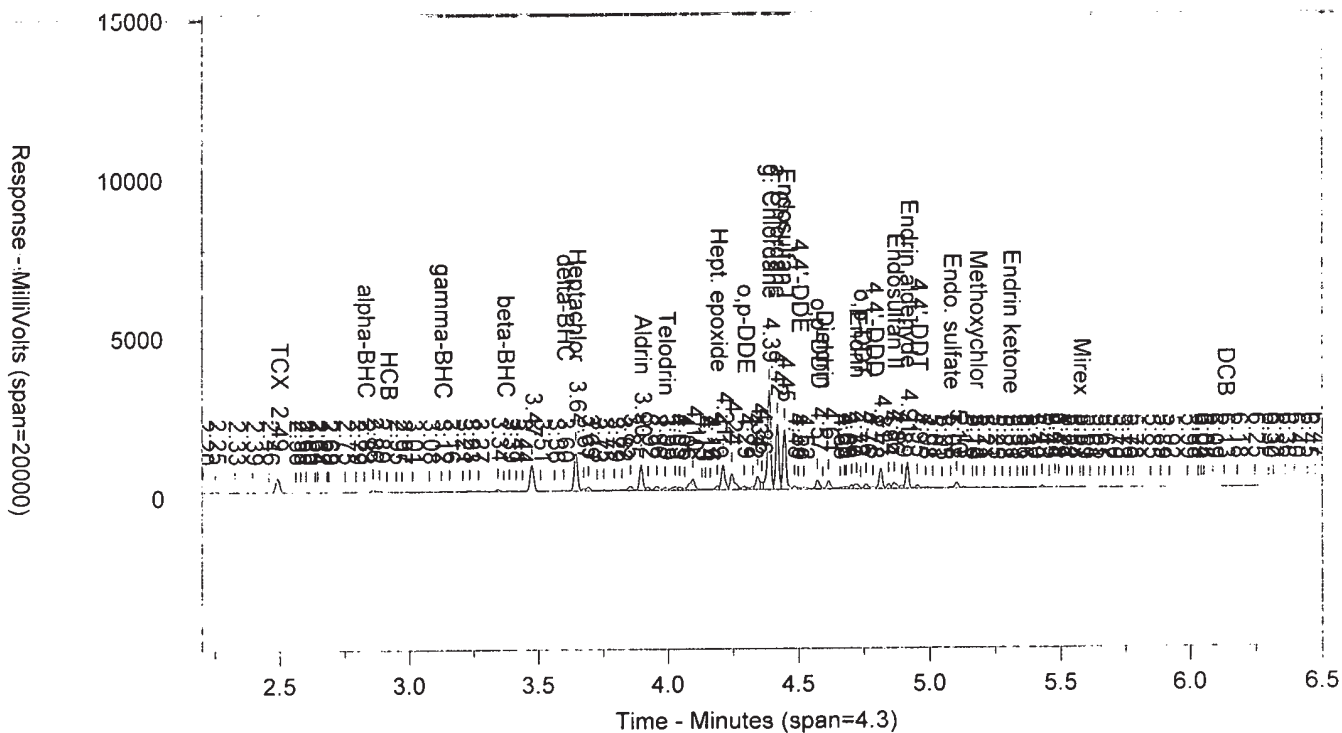
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD61824D AACHLD6AA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
 Injected On: 9/28/2018 9:19:07 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB CLP2 30m x 0.32mm x 0.25um
 Date File: 35pest18271001.030.RAW
 Method File: 35PESTDI.MET
 Calibration File: 35pest1827101.CAL

RT A	Compound A	Height A	Area A
.026		542	107
.032		938	250
.065		674	152
1.502		25537	10943
1.546		102200	62143
1.556		110164	91382
1.602		21300	11693
1.612		22369	9900
1.642		1672	650
1.652		2695	2329
1.691		695	154
1.728		14253	19954
1.761		29861	15562
1.772		28594	15707
1.805		20359	20979
1.868		1235	1297
1.884		5854	6218
1.943		1274985	1471994
1.995		697	144
2.034		509	98
2.054		1067	1462
2.073		4640	3265
2.089		971	493
2.116		1092	518
2.152		12728	13459
2.18		3562	2634
2.214		219659	214935
2.265	HCB	146605	151284
2.315	alpha-BHC	6154	6601
2.351		12264	12966
2.395		4681	4409
2.453		19254	24309
2.474		13674	20362
2.529		132821	185831
2.56		93032	93256
2.588		17872	21992
2.61	gamma-BHC	10224	8997
2.645		196581	194327
2.686		38122	40074
2.701		32732	17629
2.719		110078	121834
2.766		2274276	2281355
2.805	beta-BHC	310569	325503
2.862		5316	6443
2.924	Heptachlor	3076440	3216969
2.956		172448	171745
2.983		20035	17599
3.015		331076	373561
3.041		156812	161179
3.09	delta-BHC	28849	34091
3.117		236497	307708
3.164		56643	102209
3.2	Aldrin	101831	121106
3.227		299087	343174

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
3.257		265681	357080
3.333		1585371	2516753
3.367		132928	111522
3.388		345568	375210
3.435		839166	1014744
3.453		285588	262761
3.49		302852	382852
3.511		274474	279211
3.531		90849	63658
3.553		229639	382346
3.587		42983	32127
3.612		525305	484864
3.634	Hept. epoxide	106517	131139
3.673		1947777	2170406
3.709		1598472	1484304
3.732		612899	546778
3.753		1003793	1079870
3.776		156625	62123
3.799		717852	741319
3.822	g. Chlordane	7875614	6885928
3.841	o,p-DDE	6395087	5267326
3.865		3537804	3006179
3.89	a. Chlordane	6309587	5385042
3.93	Endosulfan I	673504	795696
3.977		359557	484730
4.02	4,4'-DDE	203660	323000
4.048		163892	147858
4.073		824277	732939
4.09		147096	91688
4.111	Dieldrin	711712	627422
4.129		155841	121230
4.164	o,p-DDD	470282	434273
4.206		214461	468550
4.239		135265	99304
4.254		290141	263945
4.3		434210	600415
4.314	Endrin	284576	174154
4.331	o,p-DDT	388126	301266
4.351		2125437	2100436
4.377	4,4'-DDD	362504	235558
4.417		153982	209054
4.446		428073	330341
4.469	Endosulfan II	295147	344731
4.497		2995235	2332685
4.534		104823	165033
4.558	4,4'-DDT	63677	45338
4.576		57034	57239
4.591		57996	46667
4.618	Endrin aldehyde	39524	32810
4.64		22565	16479
4.686		569783	507750
4.717	Endo. sulfate	262573	256419
4.741		62070	43248
4.766		14566	9087
4.783		33034	24270
4.818		54479	40427
4.842		46443	25373
4.858		36748	20948
4.888		28867	26774
4.906		20135	10351
4.92	Methoxychlor	3293	1208
4.946		18385	15489
4.984		66811	55961
4.999		64564	58797
5.033	Endrin ketone	6880	4193
5.082		359045	428225

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
5.101		72556	42865
5.12	Mirex	6681	5894
5.148		23857	26839
5.203		194048	169784
5.222		17004	10794
5.254		46241	47396
5.27		19192	13138
5.284		9699	6326
5.309		21067	26910
5.341		43211	32508
5.356		33813	23946
5.368		23683	15522
5.401		16953	12017
5.435		37419	38752
5.475		5187	3711
5.499		6714	6169
5.538		8178	5557
5.562		4953	2746
5.606	DCB	77254	89264
5.643		5547	3255
5.686		2651	2553
5.708		2222	1159
5.728		1420	949
5.757		1012	372
5.774		4287	4054
5.804		6427	4560
5.836		4982	4079
5.87		6695	5522
5.903		1304	1121
5.921		948	203
5.962		4620	3925
6		596	118
6.01		578	119
6.028		2863	2328
6.059		882	248
6.065		1731	775
6.119		1704	1688
6.135		594	129
6.17		9503	9907
6.2		3796	2928
6.249		778	314
6.269		950	344
6.345		763	208
6.371		1198	798
6.418		751	410
6.435		718	202
6.462		819	201
6.482		720	120
6.494		820	331
6.516		694	372
6.545		626	271
6.557		446	211
6.584		728	384
6.621		657	212
6.641		716	183
6.667		557	128
6.686		743	207
6.698		772	189
6.723		597	150
6.733		463	117
6.745		844	322
6.769		673	155
6.777		1006	536
6.796		644	176
6.841		686	193
6.873		726	245

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
6.887		713	139
6.914		679	132
6.934		831	203
6.956		631	131
7.013		685	269
7.032		448	148
7.117		645	110
7.127		1004	266
7.147		659	137
7.175		966	511
7.194		956	510
7.204		1320	316
7.212		1192	302
7.227		811	780
7.251		652	277
7.276		780	157
7.308		986	292
7.324		805	363

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD61824D AACHLD6AA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
Injected On: 9/28/2018 9:19:07 PM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Data File: 35pest18271001B.030.RAW
Method File: 35PESTDIB.MET
Calibration File: 35pest1827101b.CAL

RT B	Compound B	Height B	Area B
.008		590	135
.031		523	115
.049		563	175
1.514		165464	102231
1.526		179941	187574
1.582		2542	2150
1.607		5126	3698
1.623		21723	17796
1.634		18852	13431
1.658		37645	25509
1.668		35937	29630
1.7		5815	4865
1.722		40925	25236
1.729		41327	33294
1.822		124478	187744
1.92		7157	8217
1.955		113334	142581
2.03		72154	98506
2.092		3531	3500
2.128		2863	2941
2.154		18130	20497
2.202		27352	26687
2.25		58117	87138
2.325		11363	12716
2.361		944	728
2.394		3947	3649
2.425		786	474
2.454		5021	3933
2.489	TCX	1139447	1209225
2.581		1381	1319
2.597		4211	3889
2.634		528	129
2.648		1655	1131
2.662		417	89
2.676		675	301
2.693		3482	3648
2.745		706	178
2.756		727	389
2.793		12474	14024
2.826	alpha-BHC	3742	2659
2.858		139123	125809
2.882		77007	64076
2.949		1932	1484
3.011		8147	10336
3.077		20258	27636
3.122	gamma-BHC	16627	14703
3.155		41695	54506
3.207		23445	25074
3.232		59775	70376
3.265		61697	75212
3.342		159616	166137
3.386	beta-BHC	70363	76393
3.412		20200	21265
3.436		22100	22485

Chrom Perfect Chromatogram Report

RT.B	Compound B	Height B	Area B
3.472		2029860	1993542
3.508		13988	12028
3.558		4125	3019
3.595	delta-BHC	48598	56224
3.642	Heptachlor	2827350	2657709
3.671		167937	135878
3.689		274746	273003
3.723		22692	20689
3.748		55772	70539
3.789		75679	83098
3.819		83165	81594
3.853		322858	394275
3.893	Aldrin	1875808	1677396
3.919		240389	240825
3.953		300218	361140
3.987	Telodrin	192413	197001
4.025		255475	356631
4.043		228833	223156
4.062		158528	111886
4.08		488116	341102
4.093		858783	850668
4.128		80069	71863
4.141		86354	73830
4.16		72401	57588
4.186	Hept. epoxide	307809	286464
4.208		1885914	1797685
4.242		1241871	1178448
4.259		413314	302815
4.288	o,p-DDE	246204	313765
4.322		222721	179410
4.341		1000834	978660
4.356		529549	350468
4.385	g. Chlordane	7752367	6598020
4.416	a. Chlordane	5007634	3980223
4.443	Endosulfan I	4683428	3879646
4.481		239625	208107
4.495	4,4'-DDE	125276	98228
4.517		120540	202643
4.569	o,p-DDD	701094	751910
4.612	Dieldrin	612209	649039
4.658		110316	99590
4.676		178305	256534
4.702		277001	228293
4.721	Endrin	344743	432574
4.755		370260	379653
4.782	4,4'-DDD	151051	178855
4.81		1541298	1251442
4.839		345355	325247
4.861	Endosulfan II	423979	545679
4.892		229691	195074
4.911	Endrin aldehyde	1067573	1491534
4.949	4,4'-DDT	251839	231290
4.98		95495	150148
5.009		80494	76841
5.03		11504	5302
5.044		23714	14749
5.076	Endo. sulfate	70835	56768
5.101		429191	378800
5.127		104946	77131
5.162		17402	10722
5.177	Methoxychlor	45270	29827
5.205		43953	39263
5.245		60439	56697
5.274		25528	22866
5.304	Endrin ketone	17765	14061
5.331		36680	22879

Chrom Perfect Chromatogram Report

RT:B	Compound B	Height B	Area B
5.352		40859	32509
5.368		27247	19019
5.396		49253	34228
5.426		148122	108703
5.452		48069	35647
5.475		124475	100612
5.488		121928	88038
5.51		7752	4126
5.518		9136	6081
5.54		45526	36452
5.571	Mirex	9847	5751
5.584		16855	13080
5.643		7414	7558
5.667		30774	28746
5.697		3825	2971
5.73		14252	13112
5.776		20512	24306
5.799		8765	10354
5.839		995	637
5.887		5575	6235
5.918		1650	930
5.986		4088	4328
6.014		1088	556
6.027		471	140
6.052		3120	2847
6.08		665	225
6.128	DCB	5182	6017
6.177		18686	26186
6.215		450	90
6.242		30625	36178
6.271		642	316
6.312		2853	2461
6.349		801	166
6.368		2263	1865
6.395		3281	3125
6.441		4404	4660
6.463		730	250
6.539		1806	1641
6.582		755	497
6.617		457	122
6.624		724	114
6.684		2208	3484
6.746		496	192
6.764		690	237
6.814		470	150
6.843		346	72
6.891		633	233
6.915		485	154
6.928		721	375
6.997		5595	9310
7.085		446	218
7.127		695	127
7.167		472	114
7.197		575	135
7.205		642	550
7.289		606	137
7.305		439	143

CHLD61824D

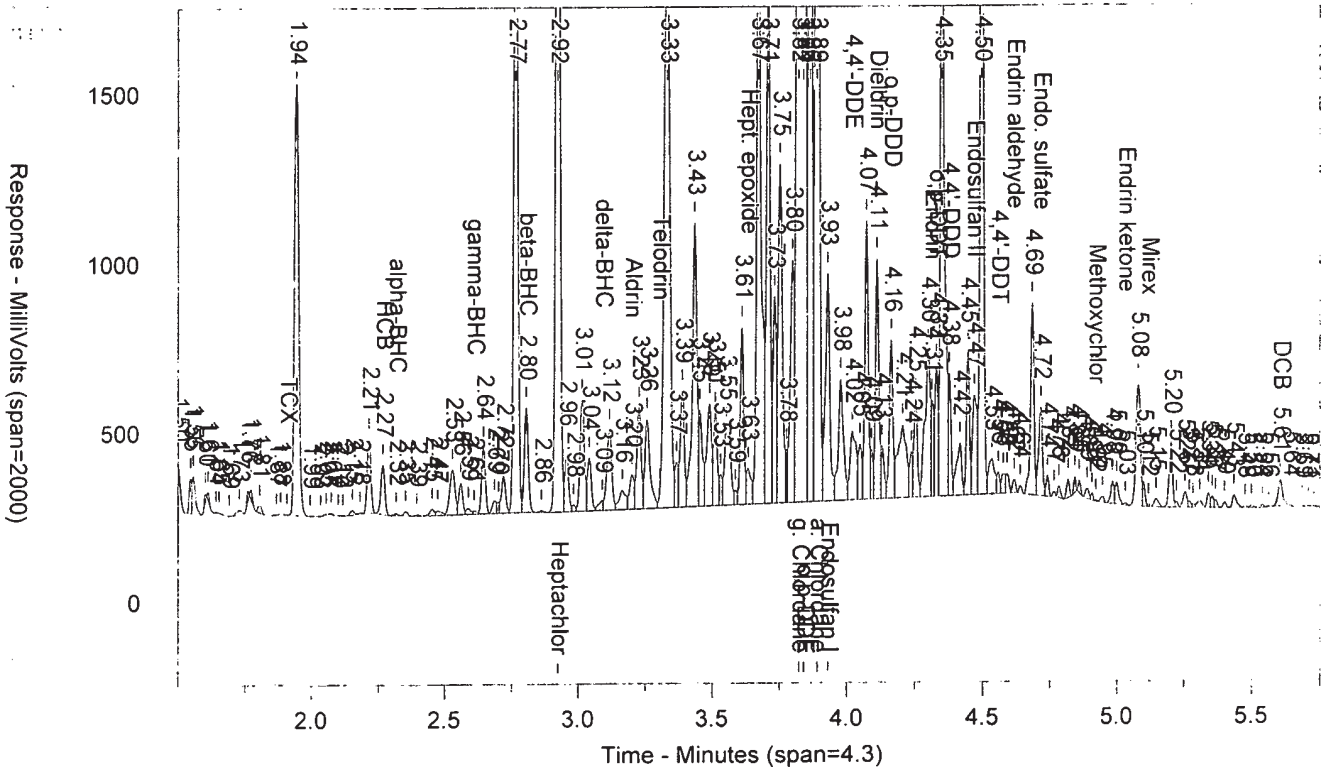
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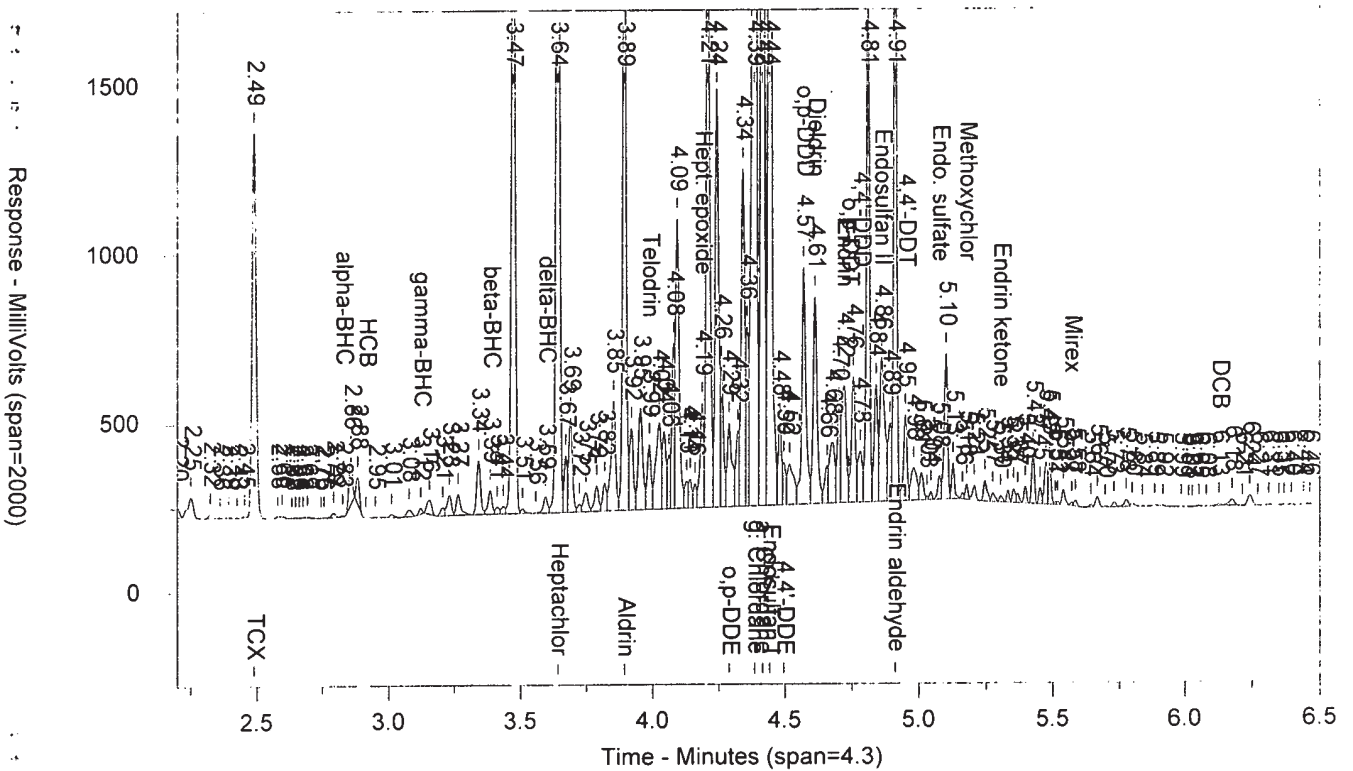
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD61824D AACHLD6AA ICAL 1827099999 00177 SW-846 8081A
 Injected On: 9/28/2018 9:19:07 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.265	146605	.865	HCB		0		HCB
2.315	6154	.028	alpha-BHC	2.826	3742	.021	alpha-BHC
	0		TCX	2.489	1139447	9.207	TCX
2.61	10224	.051	gamma-BHC	3.122	16627	.108	gamma-BHC
2.805	310569	3.302	beta-BHC	3.386	70363	.563	beta-BHC
2.924	3076440	17.401	Heptachlor	3.642	2827350	17.747	Heptachlor
3.09	28849	.145	delta-BHC	3.595	48598	.258	delta-BHC
3.2	101831	.537	Aldrin	3.893	1875808	11.096	Aldrin
3.634	106517	.556	Hept. epoxide	4.186	307809	1.872	Hept. epoxide
3.822	7875614	39.031	g. Chlordane	4.385	7752367	49.05	g. Chlordane
3.841	6395087	48.949	o,p-DDE	4.288	246204	2.467	o,p-DDE
3.89	6309587	31.574	a. Chlordane	4.416	5007634	38.465	a. Chlordane
3.93	673504	3.554	Endosulfan I	4.443	4683428	35.418	Endosulfan I
	0		Telodrin	3.987	192413	1.691	Telodrin
4.02	203660	1.038	4,4'-DDE	4.495	125276	.823	4,4'-DDE
4.111	711712	3.463	Dieldrin	4.612	612209	3.543	Dieldrin
4.164	470282	3.995	o,p-DDD	4.569	701094	7.944	o,p-DDD
4.314	284576	1.538	Endrin	4.721	344743	2.657	Endrin
4.331	388126	3.077	o,p-DDT		0		o,p-DDT
4.377	362504	2.223	4,4'-DDD	4.782	151051	1.209	4,4'-DDD
4.469	295147	1.597	Endosulfan II	4.861	423979	3.17	Endosulfan II
4.558	63677	.42	4,4'-DDT	4.949	251839	2.151	4,4'-DDT
4.618	39524	.262	Endrin aldehyde	4.911	1967573	17.804	Endrin aldehyde
4.717	262573	1.582	Endo. sulfate	5.076	70835	.564	Endo. sulfate
4.92	3293	.046	Methoxychlor	5.177	45270	.838	Methoxychlor
5.033	0800	.036	Endrin ketone	5.304	17765	-.547	Endrin ketone
5.12	6681	.051	Mirex	5.571	9847	.133	Mirex
5.606	77254	-.541	DCB	6.128	5182	-2.303	DCB

Files:

Area File: 35pest18271001.030.RAW
 Area File: 35pest18271001B.030.RAW
 Method A: 35PESTD1.MET
 Method B: 35PESTD1B.MET
 Calibration File A: 35pest1827101.CAL
 Calibration File B: 35pest1827101b.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 9/28/2018 9:26:29 PM
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CHLD61824D

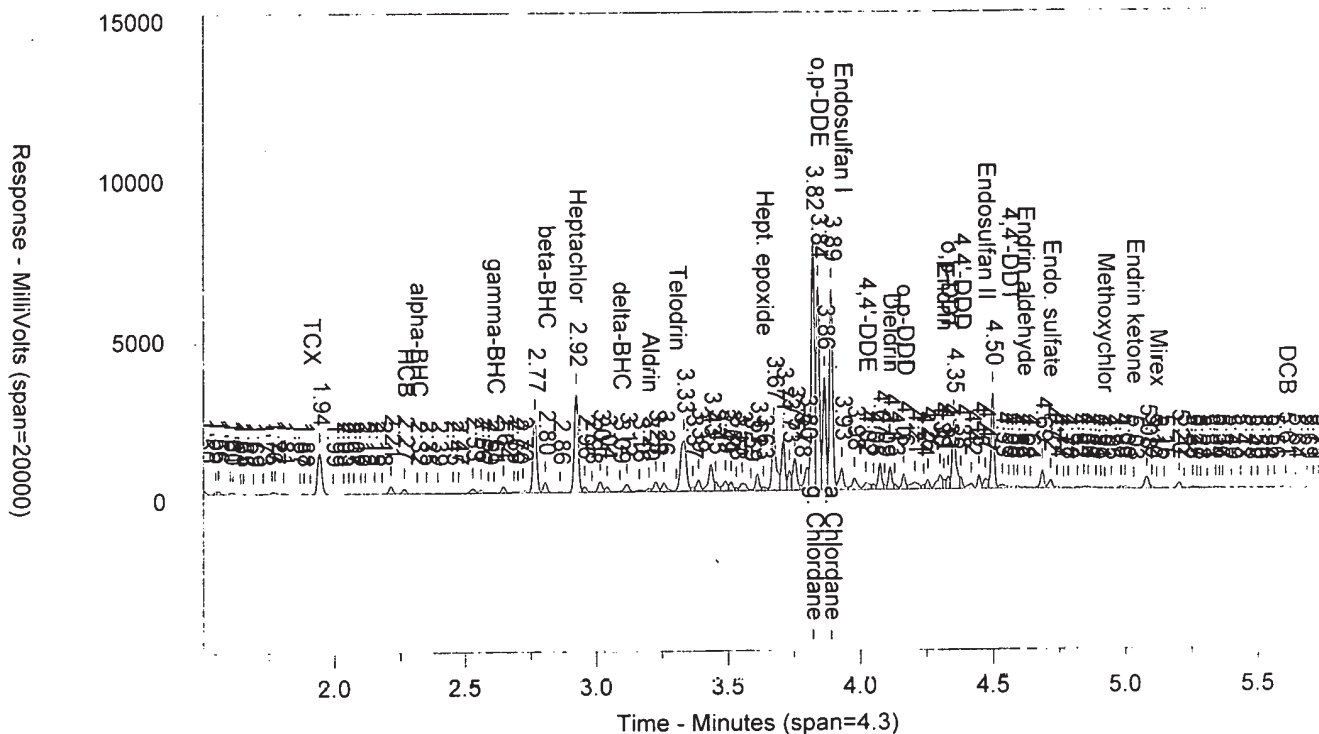
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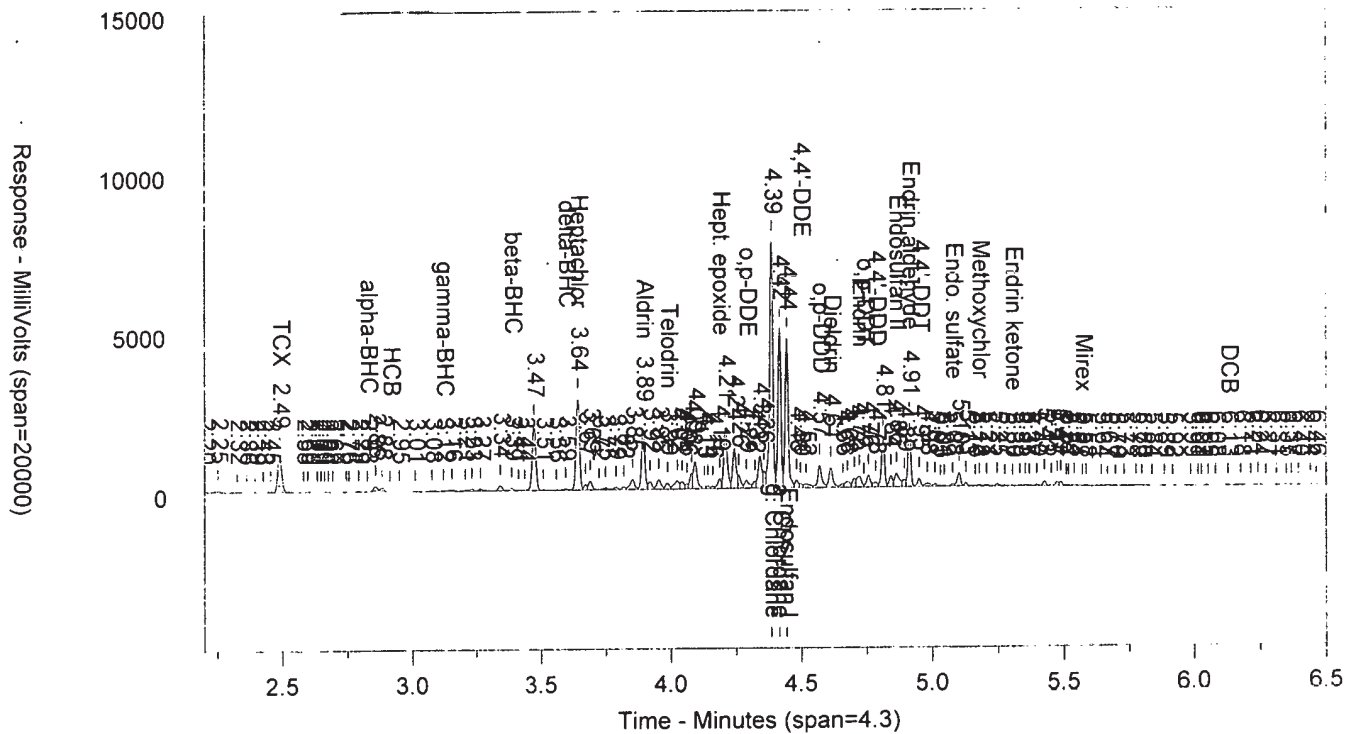
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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: ICCHX1824F AAICCHXAA CCAL 1827099999 00177 Analyst: 2306 SW-846 8081A
Injected On: 9/28/2018 9:29:39 PM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Date File: 35pest18271001.031.RAW
Method File: 35PESTDI.MET
Calibration File: 35pest1827101.CAL

RT A	Compound A	Height A	Area A
.012		434	200
.036		952	317
.05		345	122
.062		554	157
.076		914	294
1.502		1073	450
1.545		4197	2363
1.555		4435	3136
1.58		1253	235
1.597		504	81
1.635		685	272
1.661		600	135
1.698		2696	2851
1.745		615	217
1.76		21543	17395
1.795		1178	820
1.807		768	367
1.837		794	450
1.871		708	564
1.936		483	107
1.945		1127	1014
1.978		1230	395
2.003		1027	449
2.017		760	268
2.029		714	100
2.058		839	433
2.085		1310	696
2.103		1177	281
2.12		1123	510
2.149		4205	3778
2.176		808	131
2.213		50980	50500
2.265	HCB	43917	46814
2.319	alpha-BHC	1907	1760
2.354		5360	5669
2.405		4299	5093
2.45		4428	5176
2.483		15537	15670
2.528		48850	56633
2.564		15573	17853
2.6	gamma-BHC	18965	21035
2.645		53880	52889
2.701		26489	32993
2.719		17093	15289
2.764		506442	510908
2.804	beta-BHC	68204	70634
2.848		5153	5811
2.881		46819	48087
2.923	Heptachlor	766919	792774
2.953		65448	71201
3.014		109295	124146
3.041		42344	44921
3.075	delta-BHC	7949	9323
3.117		76350	89754

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
3.17		9074	10763
3.176		9819	4547
3.2	Aldrin	37921	43685
3.226		49582	55084
3.257		59362	76165
3.288	Telodrin	17754	17297
3.332		417978	638737
3.365		28208	25168
3.387		48157	61901
3.434		128018	137373
3.452		64850	54786
3.481		109775	140846
3.511		64114	77354
3.553		14545	13468
3.56		14177	15062
3.611		133191	151074
3.634	Hept. epoxide	29400	32690
3.672		418645	464381
3.708		253483	239114
3.733		104419	98425
3.752		148975	158095
3.773		72613	65021
3.797		102144	96150
3.822	g. Chlordane	1753846	1590785
3.839	o,p-DDE	788125	596775
3.864		577641	489823
3.89	a. Chlordane	1531837	1320580
3.928	Endosulfan I	114443	141423
3.961		20495	17508
3.976		66505	71525
3.998		42028	39699
4.016		20870	10056
4.044	4,4'-DDE	59454	89777
4.071		120444	131780
4.114	Dieldrin	35015	32969
4.124		33954	37298
4.163	o,p-DDD	78733	81511
4.189		24744	17514
4.205		35889	34465
4.217		30161	23101
4.238		24076	14262
4.253		72798	66763
4.282		54624	45010
4.299	Endrin	101667	136632
4.35	o,p-DDT	266264	268399
4.38		28975	15442
4.391	4,4'-DDD	30236	31115
4.416		46650	41145
4.446		61352	47942
4.468	Endosulfan II	40571	47050
4.497		619863	481268
4.536		20052	27977
4.557	4,4'-DDT	17320	13686
4.572		11087	8441
4.591		8943	6787
4.611	Endrin aldehyde	22166	19702
4.643		3107	2079
4.685		102541	87786
4.715	Endo. sulfate	32526	32560
4.738		9148	6648
4.762		1467	777
4.786		3115	1822
4.817		6464	4548
4.842		4397	1931
4.856		9829	5552
4.878		556	101

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
4.904	Methoxychlor	3145	1747
4.944		3007	3181
4.968		1725	750
4.984		7279	5953
4.998		8004	6001
5.026	Endrin ketone	939	135
5.078		48266	50634
5.147		4123	3544
5.169		534	115
5.203		35295	30286
5.249		1944	984
5.268		2291	1243
5.28		868	211
5.287		1135	323
5.298		1519	409
5.304		1934	960
5.341		4231	2965
5.352		4769	3094
5.369		4825	4215
5.41		3195	3478
5.433		2518	1558
5.443		3520	2730
5.493		619	102
5.513		1486	1002
5.54		952	416
5.562		763	613
5.604	DCB	11885	12268
5.641		1129	986
5.67		582	298
5.68		1070	589
5.704		715	327
5.729		850	451
5.775		1135	922
5.806		3136	2065
5.835		1269	558
5.868		1532	1189
5.891		840	224
5.912		624	280
5.965		1185	914
6		483	86
6.036		1067	298
6.06		924	442
6.088		556	103
6.11		478	240
6.131		464	116
6.148		548	93
6.155		873	185
6.164		724	222
6.173		621	221
6.197		987	286
6.239		594	346
6.281		575	136
6.297		556	106
6.324		484	144
6.335		736	230
6.36		677	185
6.375		543	141
6.399		557	304
6.436		1199	274
6.468		539	218
6.515		716	330
6.546		615	334
6.564		1031	177
6.577		575	225
6.591		463	166
6.622		471	220

Chrom Perfect Chromatogram Report

RT-A	Compound A	Height A	Area A
6.644		782	150
6.665		773	259
6.687		703	283
6.709		465	171
6.747		250	252
6.773		701	282
6.784		468	111
6.791		713	188
6.84		688	445
6.851		680	147
6.87		707	243
6.927		582	319
6.945		774	304
6.974		410	165
6.99		1086	528
6.999		898	181
7.015		766	148
7.024		970	176
7.039		633	365
7.056		580	158
7.072		632	320
7.081		631	142
7.107		298	144
7.12		395	251
7.156		810	380
7.18		464	265
7.204		687	130
7.232		488	156
7.273		777	181
7.285		554	125

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: ICCHX1824F AAICCHXAA CCAL 182709999 00177 Analyst: 2306 SW-846 8081A
 Injected On: 9/28/2018 9:29:39 PM Sample Weight: 1
 Insrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB CLP2 30m x 0.32mm x 0.25um
 Data File: 35pest18271001B.031.RAW
 Method File: 35PESTDIB.MET
 Calibration File: 35pest1827101b.CAL

RT B	Compound B	Height B	Area B
.039		310	115
1.534		526	351
1.59		1093	898
1.62		1043	547
1.655		879	449
1.729		8645	10588
1.82		1952	2664
1.854		536	137
1.883		445	157
1.91		625	252
1.957		6230	8889
2.021		817	421
2.028		1211	585
2.066		1287	1552
2.102		609	235
2.131		626	445
2.141		1098	463
2.153		827	377
2.199		966	677
2.248		13976	14296
2.308		530	148
2.384		1148	1204
2.459		2629	3044
2.522		1434	1205
2.577		489	92
2.609		549	125
2.632		503	133
2.646		821	378
2.66		567	198
2.69		1608	1537
2.733		546	209
2.791		3138	3086
2.857		32662	28875
2.882		23932	19942
2.92	HCB	1449	1484
2.95		1528	1123
2.975		611	161
3.009		1359	1042
3.023		842	595
3.072		3120	2714
3.121	gamma-BHC	2154	1554
3.154		9213	11924
3.193		8617	8203
3.232		26838	27628
3.267		25853	26398
3.341		46167	45200
3.395		21516	33638
3.472		460375	443811
3.502		509	108
3.521		2769	2036
3.562		1009	399
3.605		44197	53457
3.641	Heptachlor	692924	660132
3.671		57803	49663

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
3.689		95839	94338
3.728		31014	30741
3.747		14560	15626
3.79		16694	17453
3.818		42465	47971
3.853		58854	69070
3.893	Aldrin	490179	427243
3.921		57628	73244
3.954		54133	59657
3.985	Telodrin	38413	42472
4.021		35433	50728
4.042		51232	54424
4.062		39701	28256
4.083		161706	263588
4.12		19522	23205
4.142		21018	21604
4.164		15631	10801
4.174		17913	9270
4.186	Hept. epoxide	22190	16147
4.208		385908	389125
4.242		209208	275584
4.286	o,p-DDE	73289	78872
4.34		248968	249447
4.355		95824	59776
4.385	g. Chlordane	1535883	1279830
4.415	a. Chlordane	1184844	966399
4.443	Endosulfan I	594280	490872
4.479		39136	42748
4.495	4,4'-DDE	25874	21467
4.516		30505	38847
4.569	o,p-DDD	132124	174789
4.612	Dieldrin	40985	73991
4.655		30311	32230
4.683		42172	55450
4.7		71818	60146
4.721	Endrin	76940	78293
4.754		25850	43645
4.779		17306	13811
4.81	4,4'-DDD	185133	168084
4.839		56048	50371
4.859	Endosulfan II	56994	56387
4.89		41832	47129
4.91	Endrin aldehyde	452219	346963
4.940	4,4'-DDT	35892	35034
4.983		17446	22919
5.007		12101	11993
5.026		6127	5097
5.044		3596	1939
5.081	Endo. sulfate	22098	20190
5.1		76102	66630
5.127		17391	15517
5.159		1169	427
5.178	Methoxychlor	8843	8625
5.205		5818	3903
5.218		912	640
5.244		8978	6500
5.258		3704	2263
5.271		4213	3806
5.308	Endrin ketone	1800	1708
5.33		4401	3180
5.352		6512	6036
5.367		6186	4350
5.396		9094	6034
5.425		22236	17145
5.444		4990	4703
5.488		25951	25512

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
5.518		3591	2682
5.54		4626	4010
5.586	Mirex	1486	1949
5.604		616	185
5.632		672	139
5.665		5001	3852
5.689		1564	1591
5.731		2866	2615
5.754		377	82
5.779		1380	887
5.807		2224	1754
5.841		777	342
5.871		1317	470
5.885		3364	2875
5.921		1255	1468
5.951		468	148
5.963		643	128
5.987		1362	1074
6.006		434	120
6.033		471	223
6.046		595	231
6.108	DCB	456	264
6.128		644	148
6.174		3301	4759
6.198		927	331
6.243		5508	5799
6.303		427	144
6.323		630	410
6.394		856	661
6.423		563	116
6.443		1837	2051
6.482		837	258
6.498		459	109
6.588		835	442
6.596		779	331
6.63		637	261
6.662		432	166
6.683		609	291
6.689		844	333
6.745		468	149
6.771		584	104
6.783		750	231
6.827		513	158
6.842		388	93
6.857		609	148
6.9		647	229
6.945		555	134
6.964		645	396
6.981		555	136
7.001		850	550
7.010		501	91
7.035		934	368
7.047		587	211
7.084		671	395
7.096		560	411
7.141		499	142
7.15		664	144
7.164		629	141
7.259		623	200
7.291		955	408
7.301		744	270

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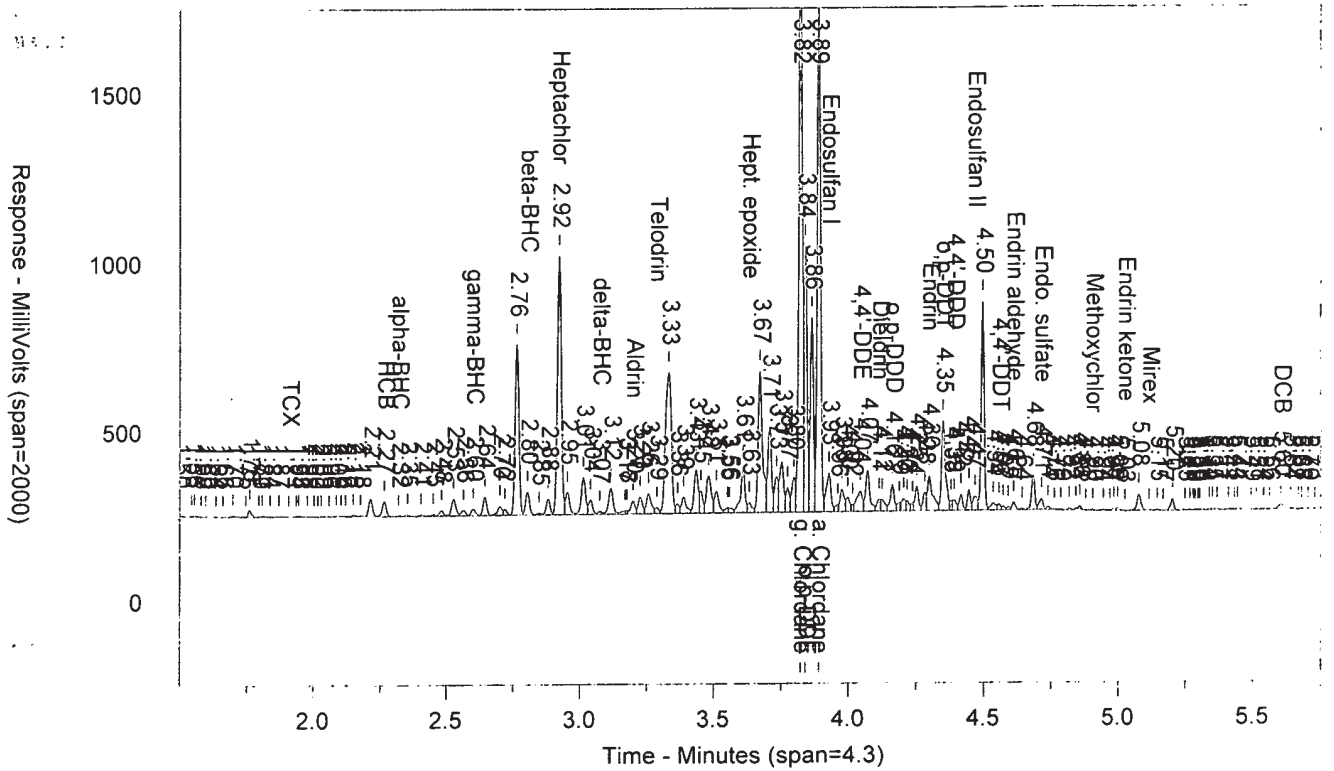
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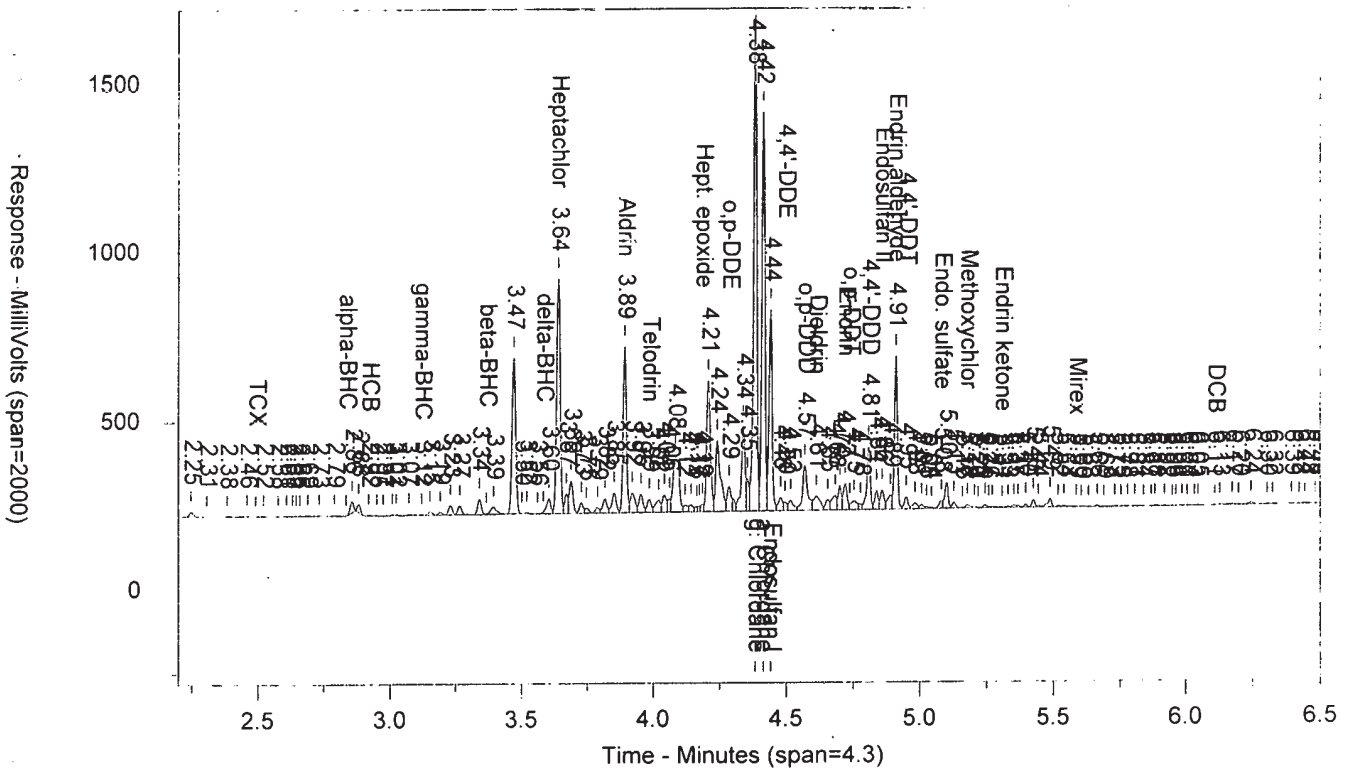
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: ICCHX1824F AAICCHXAA CCAL 1827099999 00177 SW-846 8081A
 Injected On: 9/28/2018 9:29:39 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.265	43917	.259	HCB	2.92	1449	.01	HCB
2.319	1907	.009	alpha-BHC		0		alpha-BHC
2.6	18965	.095	gamma-BHC	3.121	2154	.014	gamma-BHC
2.804	68204	.725	beta-BHC		0		beta-BHC
2.923	766919	4.338	Heptachlor	3.641	692924	4.349	Heptachlor
3.075	7949	.04	delta-BHC		0		delta-BHC
3.2	37921	.2	Aldrin	3.893	490179	2.9	Aldrin
3.288	17754	.135	Telodrin	3.985	38413	.338	Telodrin
3.634	29400	.153	Hept. epoxide	4.186	22190	-.253	Hept. epoxide
3.822	1753846	8.692	g. Chlordane	4.385	1535883	9.718	g. Chlordane
3.839	788125	6.032	o,p-DDE	4.286	73289	.734	o,p-DDE
3.89	1531837	7.665	a. Chlordane	4.415	1184844	8.699	a. Chlordane
3.928	114443	.604	Endosulfan I	4.443	594280	4.132	Endosulfan I
4.044	59454	.303	4,4'-DDE	4.495	25874	.17	4,4'-DDE
4.114	35015	.17	Dieldrin	4.612	40985	-.754	Dieldrin
4.183	78733	.669	o,p-DDD	4.569	132124	1.497	o,p-DDD
4.299	101667	.55	Endrin	4.721	76940	.593	Endrin
4.35	266264	2.111	o,p-DDT		0		o,p-DDT
4.391	30236	.185	4,4'-DDD	4.81	185133	1.482	4,4'-DDD
4.468	40571	.72	Endosulfan II	4.860	56004	.420	Endosulfan II
4.557	17320	.114	4,4'-DDT	4.949	35892	.307	4,4'-DDT
4.611	22166	.147	Endrin aldehyde	4.91	452219	4.092	Endrin aldehyde
4.715	32526	.196	Endo. sulfate	5.081	22098	.176	Endo. sulfate
4.904	3145	.044	Methoxychlor	5.178	8843	.164	Methoxychlor
5.026	939	.005	Endrin ketone	5.308	1800	-.683	Endrin ketone
	0		Mirex	5.586	1486	.02	Mirex
5.604	11885	-1.102	DCB	6.108	456	-2.395	DCB

Files:

Area File: 35pest18271001.031.RAW
 Area File: 35pest18271001B.031.RAW
 Method A: 35PESTD1.MET
 Method B: 35PESTD1B.MET
 Calibration File A: 35pest1827101.CAL
 Calibration File B: 35pest1827101b.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 9/28/2018 9:36:59 PM
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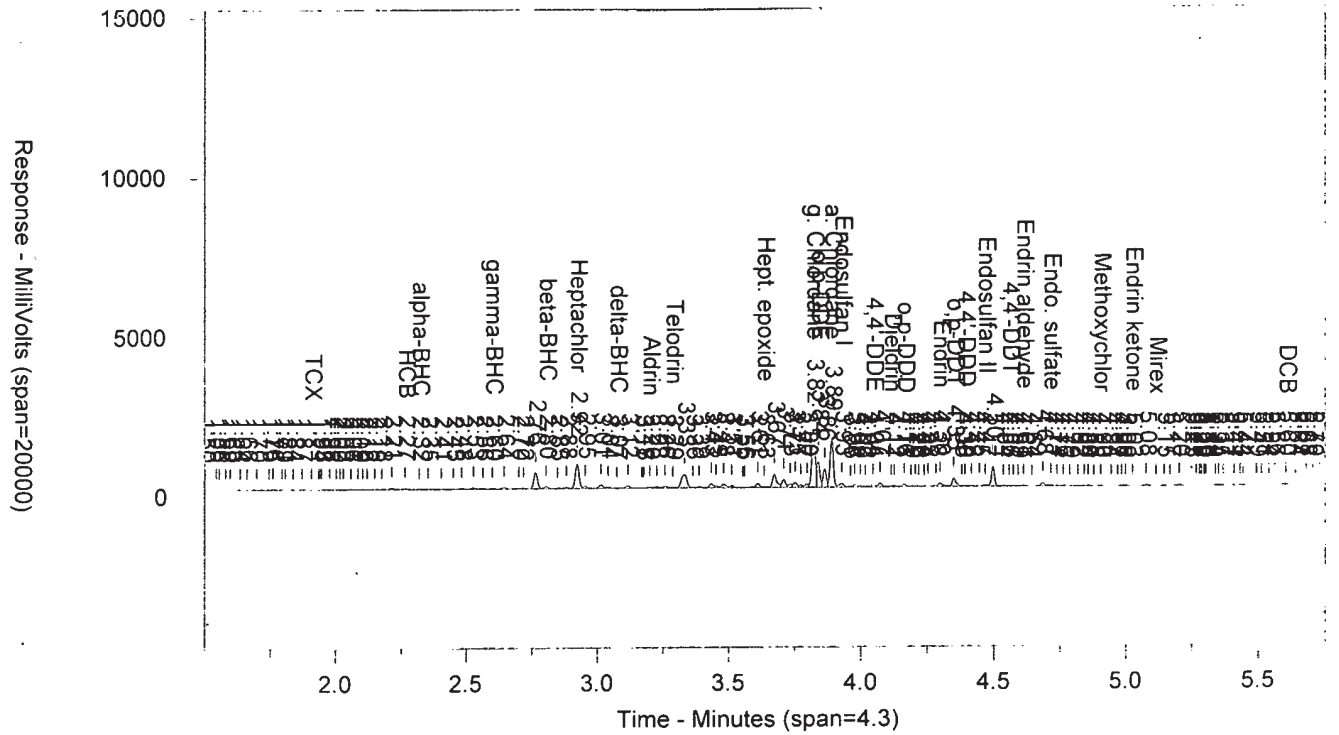
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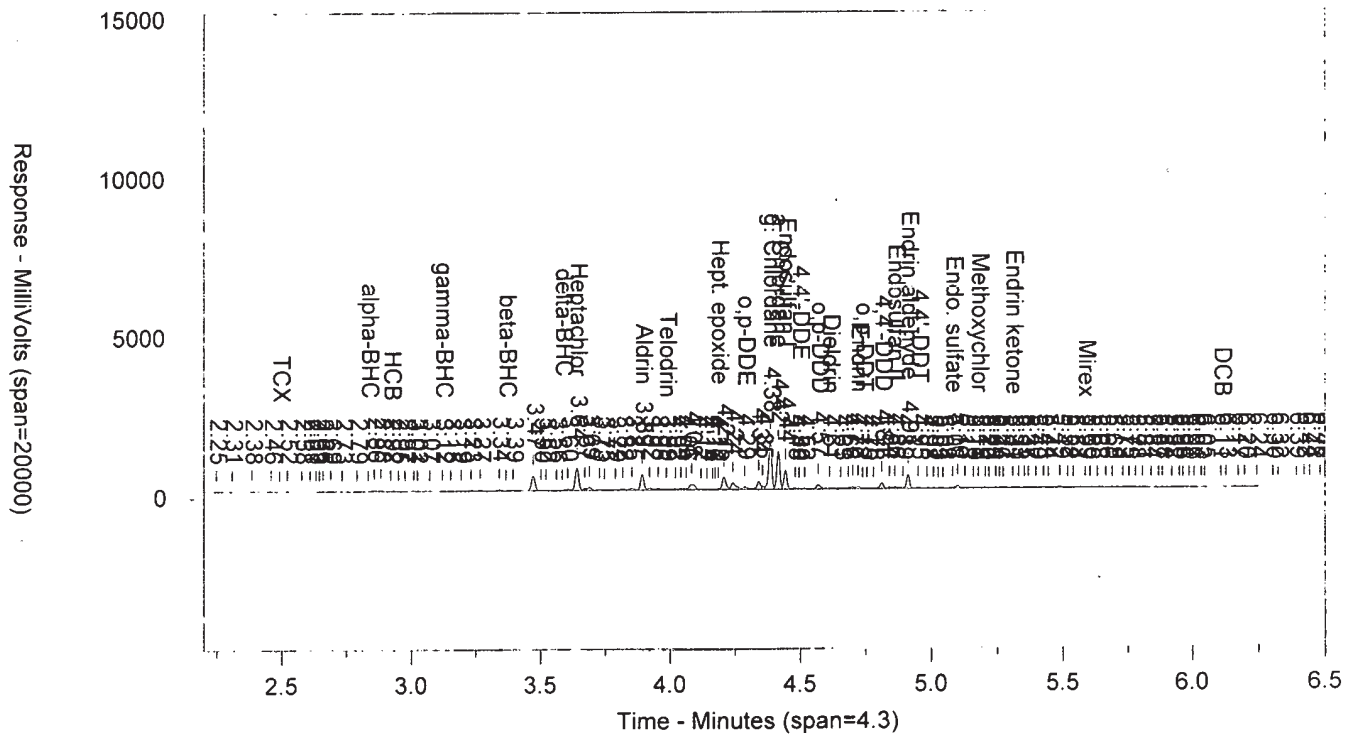
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: AR1641824C AAAR164AA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
 Injected On: 9/28/2018 9:40:06 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB CLP2 30m x 0.32mm x 0.25um
 Date File: 35pest18271001.032.RAW
 Method File: 35PESTDI.MET
 Calibration File: 35pest1827101.CAL

RT A	Compound A	Height A	Area A
.008		632	198
.022		613	214
.036		901	429
.046		1030	307
.061		795	183
1.508		9054	5159
1.523		1145	407
1.536		659	228
1.55		1035	669
1.592		693	104
1.631		525	154
1.648		14171	12280
1.694		564	257
1.707		644	156
1.754		1729	1868
1.791		1089	876
1.806		558	229
1.832		864	177
1.868		834	439
1.908	TCX	5286827	5936751
1.997		66846	82789
2.072		1584	637
2.109		111575	114637
2.15		80794	79411
2.191		115184	114596
2.225		630	95
2.25	HCB	524898	551047
2.293		10713	8648
2.35		773	126
2.376		2179	2134
2.43		91430	95647
2.489		688	144
2.537		787791	1173632
2.616	gamma-BHC	95662	91389
2.631		79182	104669
2.691		16461	11140
2.714		366524	358939
2.738		462953	473194
2.785		36265	32778
2.812	beta-BHC	225912	217020
2.838		133721	136726
2.916	Heptachlor	1200471	921067
2.927		1409575	1403825
3.01		818935	945766
3.058	delta-BHC	46680	47583
3.133		585464	589952
3.182		566414	757902
3.221	Aldrin	470407	475209
3.245		425062	482106
3.276		824	177
3.312	Telodrin	843	254
3.355		2244	1353
3.369		4156	3724
3.406		788773	734466

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
3.44		306866	269308
3.475		257764	228545
3.496		173503	143665
3.527		661220	634642
3.551		29322	20620
3.583		13023	9710
3.614		212907	193849
3.653	Hept. epoxide	203497	174967
3.687		299342	252248
3.717		786505	715661
3.775		156450	126727
3.82	g. Chlordane	723789	611376
3.86		27930	20471
3.876		31972	22183
3.899	a. Chlordane	19132	11133
3.915	Endosulfan I	91718	75053
3.968		6617	4681
4.007		62697	54803
4.04	4,4'-DDE	3017	1718
4.065		216034	169493
4.101	Dieldrin	9845	7146
4.137		1078877	1185945
4.172	o,p-DDD	498401	398183
4.228		1659144	1296317
4.266		223204	165493
4.297	Endrin	319325	239925
4.337	o,p-DDT	1979143	1637022
4.383		6132	4339
4.407	4,4'-DDD	651	133
4.439		985072	716404
4.457		999937	841876
4.482	Endosulfan II	38781	31274
4.521		466534	497241
4.554	4,4'-DDT	1949397	2080945
4.578		1208873	891324
4.61	Endrin aldehyde	779775	582820
4.639		1715	801
4.653		3203	1410
4.689		276811	253161
4.742	Endo. sulfate	1397372	1034197
4.76		283210	191377
4.794		736835	546847
4.821		614558	401054
4.841		160727	88700
4.863		3129605	2150981
4.892		68239	40169
4.944		141323	108809
4.978		946	496
5.006		55073	36511
5.028	Endrin ketone	658302	469950
5.061		2365649	1818217
5.145		7500	8672
5.175		112298	91966
5.227		52576	36843
5.26		370234	260077
5.313		824001	603251
5.384		719	128
5.419		1215	519
5.46		237872	177828
5.5		2714	1927
5.518		1229	536
5.533		513	111
5.543		778	225
5.556		589	139
5.593	DCB	5173640	4106661
5.696		1173	811

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
5.758		1087	441
5.777		774	254
5.809		873	172
5.823		652	177
5.832		799	266
5.843		731	221
5.851		687	463
5.878		766	284
5.923		840	343
5.962		6368	5564
5.993		978	489
6.062		927	285
6.102		671	256
6.111		685	142
6.128		1062	824
6.162		15244	17709
6.203		617	281
6.211		1101	252
6.229		941	339
6.254		555	166
6.279		630	199
6.338		1434	2089
6.367		655	142
6.401		456	210
6.433		421	96
6.47		569	168
6.502		550	116
6.513		919	162
6.54		728	174
6.548		474	132
6.572		602	253
6.587		752	414
6.611		780	192
6.618		998	436
6.654		705	353
6.664		734	356
6.682		747	169
6.697		775	146
6.709		950	517
6.734		650	108
6.767		786	243
6.824		697	335
6.853		562	404
6.865		496	235
6.885		714	232
6.891		894	232
6.933		1210	853
6.946		774	191
6.955		920	260
6.976		523	234
6.992		681	216
7.006		761	188
7.017		478	122
7.029		507	228
7.064		823	207
7.09		831	384
7.149		586	410
7.166		543	208
7.19		912	331
7.211		848	432
7.237		650	255
7.248		607	138
7.264		532	122
7.289		833	314
7.296		743	122
7.314		955	156

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: AR1641824C AAAR164AA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
 Injected On: 9/28/2018 9:40:06 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB CLP2 30m x 0.32mm x 0.25um
 Data File: 35pest18271001B.032.RAW
 Method File: 35PESTDIB.MET
 Calibration File: 35pest1827101b.CAL

RT B	Compound B	Height B	Area B
.008		428	105
.059		518	326
1.517		448	159
1.545		753	402
1.601		601	1083
1.683		588	178
1.703		697	173
1.737		41521	55407
1.831		18893	20516
1.882		545	109
1.91		6446	4202
1.962		402	143
1.978		959	506
1.996		13452	14262
2.031		2064	1330
2.068		698	456
2.11		675	499
2.137		1467	1536
2.207		795	863
2.231		485	187
2.273		1406	1681
2.3		501	94
2.33		1527	1393
2.38		419	94
2.408		70606	80436
2.496	TCX	4991025	5385848
2.622		22278	19221
2.633		9602	6814
2.697		100694	106405
2.776		478030	566135
2.859		8438	7990
2.904	HCB	77988	82949
2.963		11654	11731
3.052		802	198
3.1		575610	572313
3.134	gamma-BHC	299767	285745
3.19		76590	75306
3.225		34962	32996
3.275		429902	431793
3.295		309274	297445
3.352	beta-BHC	3567	2673
3.384		11916	12267
3.407		21871	20210
3.438		32012	25038
3.46		195264	185455
3.488		121207	114660
3.551		1016310	920469
3.575	delta-BHC	1214780	1103398
3.601		737234	734771
3.689		582482	607723
3.725		62911	52993
3.769		542259	457721
3.807		568533	495610
3.841		199935	177816

Chrom Perfect Chromatogram Report

RT: B	Compound B	Height B	Area B
3.913		606867	516552
3.947		272614	285124
3.978	Telodrin	217902	171291
4.002		175392	134530
4.033		433644	599187
4.087		4177	2478
4.119		26137	18712
4.147		18489	12559
4.173	Hept. epoxide	29259	19603
4.195		628109	543645
4.215		262636	191284
4.244		196078	147701
4.302	o,p-DDE	94590	75155
4.34		614946	502259
4.376	g. Chlordane	23588	22971
4.432	a. Chlordane	7445	5931
4.462		50394	44957
4.514	4,4'-DDE	170529	128281
4.535		239707	185414
4.57	o,p-DDD	401926	294841
4.612	Dieldrin	588236	466496
4.625		243996	133037
4.642		170999	120508
4.669		1160181	900817
4.713		3186	1613
4.743	o,p-DDT	272025	193288
4.781	4,4'-DDD	240399	184107
4.817		1456372	1076611
4.842		538857	399214
4.885	Endosulfan II	710945	720554
4.913	Endrin aldehyde	123175	91050
4.948	4,4'-DDT	174181	140034
4.974		1566131	1272305
4.995		250317	150853
5.022		828003	576191
5.052		526011	371485
5.122		79838	63899
5.138		783492	505159
5.166		56955	35292
5.187	Methoxychlor	494451	357040
5.21		319354	231965
5.235		33817	22122
5.258		338978	263871
5.291	Endrin ketone	2082668	1482182
5.327		134862	110439
5.361		4127	2977
5.44		1249015	988278
5.463		254942	169225
5.478		481167	421986
5.554	Mirex	1501	884
5.599		37516	30259
5.618		46505	37446
5.653		226157	208831
5.694		2169	1836
5.711		816	554
5.759		437865	392015
5.799		31491	30281
5.845		800	238
5.874		624	236
5.907		685	440
5.948		121801	121918
6.041		715	141
6.067		715	775
6.114	DCB	2297590	2486975
6.241		916	655
6.276		596	137

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
6.318		597	118
6.33		468	86
6.351		507	158
6.373		1404	1206
6.394		513	118
6.41		463	182
6.43		233	41
6.461		636	287
6.476		417	106
6.529		754	209
6.539		598	207
6.557		436	177
6.589		604	122
6.606		3290	3558
6.641		753	240
6.689		437	112
6.703		360	163
6.802		318	169
6.822		589	161
6.838		531	99
6.878		567	166
6.903		626	144
6.976		1000	1646
7.017		498	207
7.051		664	94
7.087		651	479
7.154		521	225
7.23		537	315
7.275		3384	6320

AR1641824C

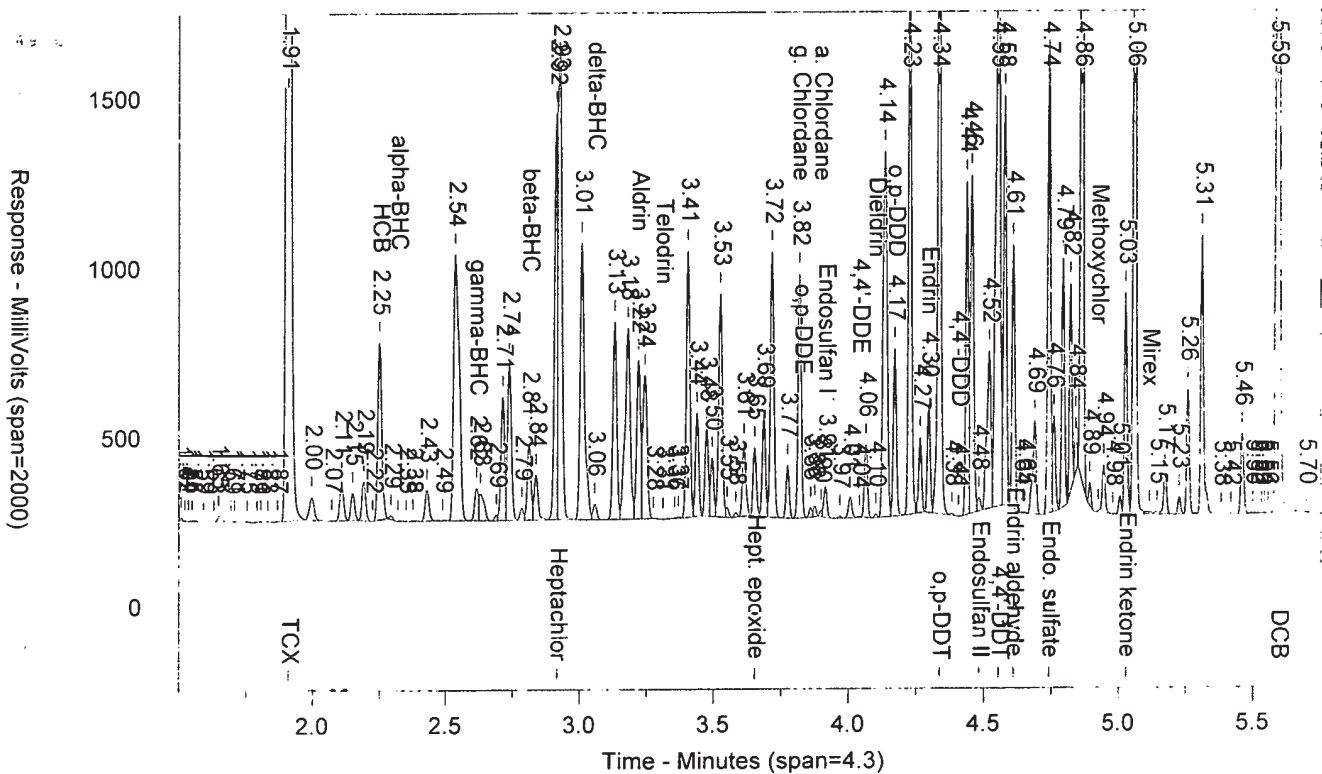
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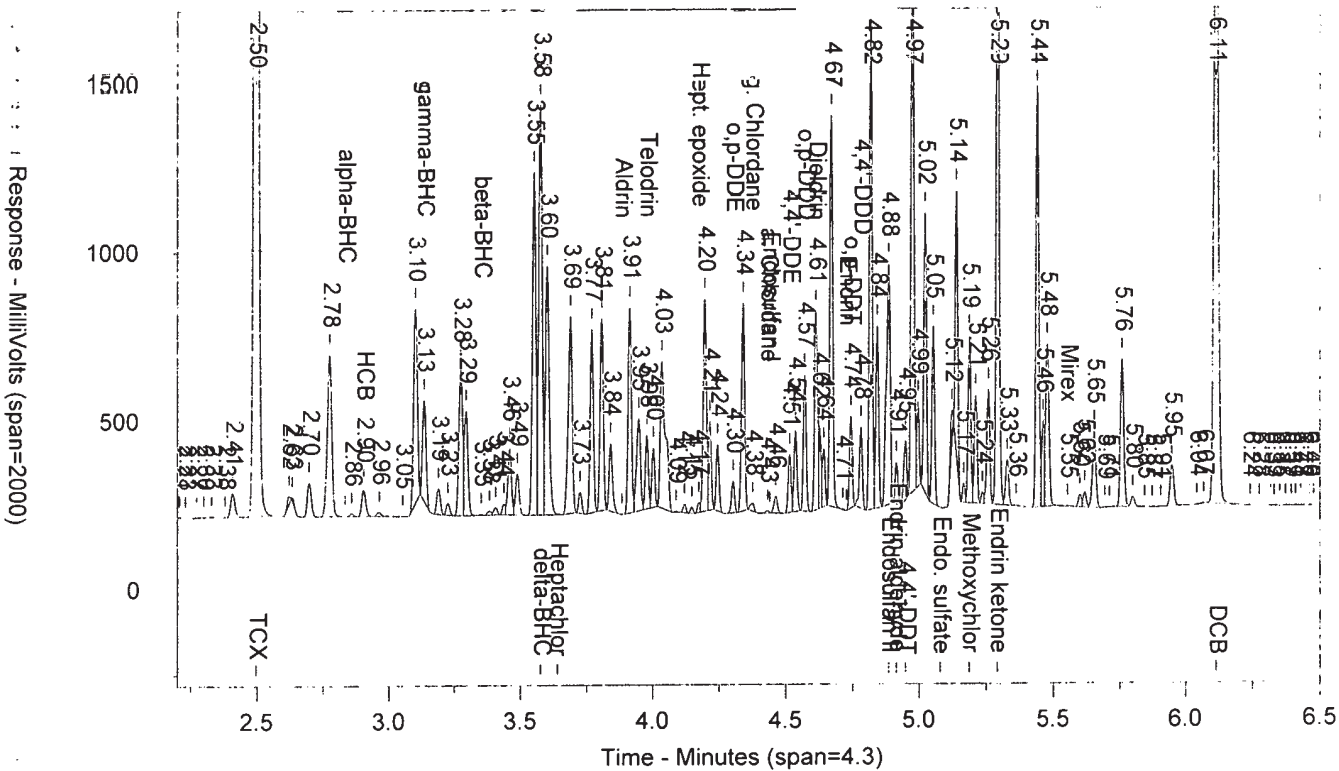
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: AR1641824C AAAR164AA ICAL 182709999 00177 SW-846 8081A
 Injected On: 9/28/2018 9:40:06 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.908	5286827	41.019	TCX	2.496	4991025	40.327	TCX
2.25	524898	3.098	HCB	2.904	77988	.552	HCB
2.616	95662	.479	gamma-BHC	3.134	299767	1.942	gamma-BHC
2.812	225912	2.402	beta-BHC	3.352	3567	-.378	beta-BHC
2.916	1200471	6.79	Heptachlor		0		Heptachlor
3.058	46680	.235	delta-BHC	3.575	1214780	6.455	delta-BHC
3.221	470407	2.479	Aldrin		0		Aldrin
3.312	843	.006	Telodrin	3.978	217902	1.915	Telodrin
3.653	203497	1.062	Hept. epoxide	4.173	29259	-.201	Hept. epoxide
3.82	723789	3.587	g Chlordane	4.376	23588	.149	g. Chlordane
3.899	19132	.096	a. Chlordane	4.432	7445	-.469	a. Chlordane
3.915	91718	.484	Endosulfan I		0		Endosulfan I
4.04	3017	.015	4,4'-DDE	4.514	170529	1.121	4,4'-DDE
4.101	9845	.048	Dieldrin	4.612	588236	3.363	Dieldrin
4.172	498401	4.234	o,p-DDD	4.57	401926	4.554	o,p-DDD
4.297	319325	1.726	Endrin		0		Endrin
	0		o,p-DDE	4.302	94590	.948	o,p-DDE
4.337	1979143	15.689	o,p-DDT	4.743	272025	2.813	o,p-DDT
4.407	651	.004	4,4'-DDD	4.781	240399	1.924	4,4'-DDD
4.482	38781	.21	Endosulfan II	4.885	710945	5.315	Endosulfan II
4.554	1949397	12.859	4,4'-DDT	4.948	174181	1.488	4,4'-DDT
4.61	779775	5.175	Endrin aldehyde	4.913	123175	1.115	Endrin aldehyde
4.742	1397372	8.419	Endo. sulfate		0		Endo. sulfate
5.028	658302	3.421	Endrin ketone	5.291	2082668	16.936	Endrin ketone
	0		Methoxychlor	5.187	494451	9.151	Methoxychlor
	0		Mirex	5.554	1501	.02	Mirex
5.593	5173640	43.244	DCB	6.114	2297590	42.497	DCB

Files:
 Area File: 35pest18271001.032.RAW
 Area File: 35pest18271001B.032.RAW
 Method A: 35PESTD1.MET
 Method B: 35PESTD1B.MET
 Calibration File A: 35pest1827101.CAL
 Calibration File B: 35pest1827101b.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 9/28/2018 9:47:28 PM
 File Reported On: 10/3/2018 at 7:09:56 PM

AR1641824C

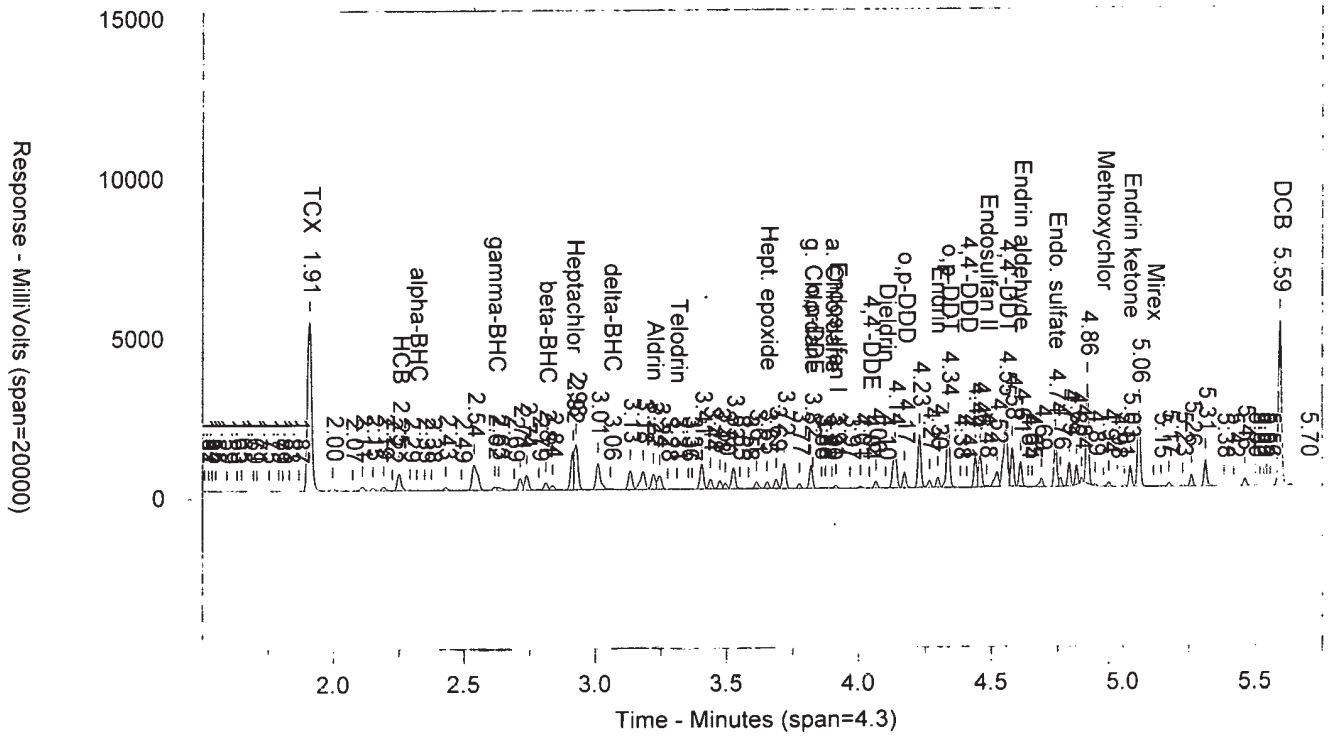
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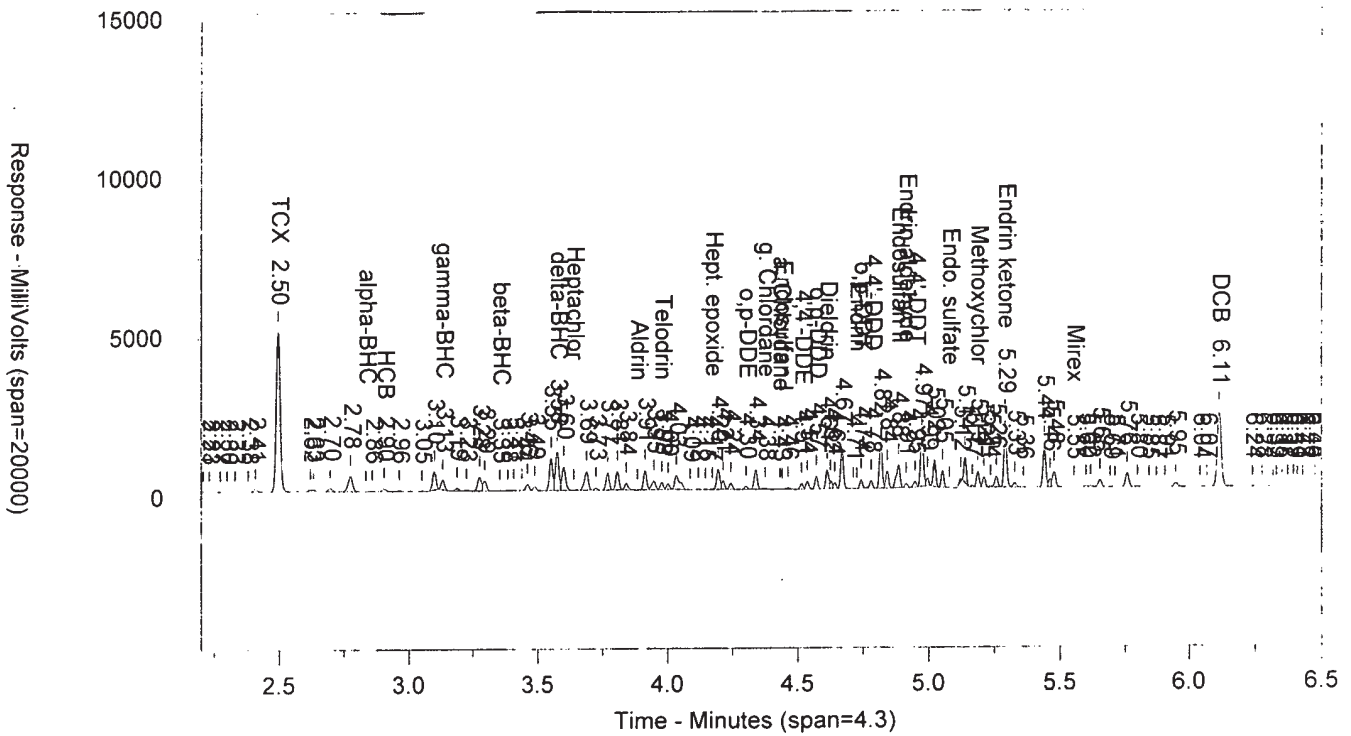
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: 2154X1824A AA2154XAA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
 Injected On: 9/28/2018 9:50:34 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven: Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB CLP2 30m x 0.32mm x 0.25um
 Date: File: 35pest18271001.033.RAW
 Method File: 35PESTD1.MET
 Calibration File: 35pest1827101.CAL

RT A	Compound A	Height A	Area A
.026		768	367
.047		1558	606
.067		1134	497
.077		1411	407
.084		937	461
1.506		1685	854
1.542		20824	26090
1.563		19158	11171
1.575		26640	17667
1.591		1776	816
1.654		178268	242213
1.71		8515	9177
1.761		2988	2127
1.794		1633	2010
1.825		8001	10940
1.874		59691	62277
1.909	TCX	30773	30200
1.949		1882	936
1.994		100301	140238
2.036		6672	7076
2.069		1771	1469
2.081		511	123
2.109		318417	319629
2.19		218750	217998
2.25	HCB	673637	760454
2.319	alpha-BHC	15334	13288
2.347		2886	1815
2.385		2053	2659
2.43		16763	16321
2.457		980	206
2.476		3714	3673
2.537		129778	205722
2.587		1306	634
2.631	gamma-BHC	105808	133511
2.69		16228	14710
2.713		41353	37968
2.74		194224	200455
2.776		643	128
2.811	beta-BHC	42169	41073
2.837		22730	17216
2.859		285555	297367
2.915		146600	137559
2.924	Heptachlor	144591	114987
2.961		753	318
2.973		1231	272
3.01		170111	192531
3.058	delta-BHC	2172	1480
3.108		6123	5118
3.132		54379	54013
3.181		775029	807214
3.222	Aldrin	265842	230971
3.232		268795	286344
3.312	Telodrin	933	295
3.327		496	124

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
3.336		1051	221
3.404		528038	531008
3.438		47955	38999
3.473		58221	54026
3.494		17676	12137
3.527		228341	207969
3.549		7405	4810
3.581		9382	8443
3.614		47660	54814
3.653	Hept. epoxide	256636	225609
3.687		822277	701275
3.716		1527518	1372037
3.774		588726	498462
3.819	g. Chlordane	1829674	1495172
3.859		812455	768556
3.914	Endosulfan I	649126	607110
3.966		143154	118655
4.007		717158	578314
4.063		1473741	1231263
4.1		507500	401790
4.13	Dieldrin	2858511	2375325
4.171	o,p-DDD	305007	241498
4.192		114802	88857
4.207		63404	36942
4.228		1095419	1182564
4.265		1880506	1457102
4.296		251178	191059
4.336	Endrin	1091592	980410
4.361		128830	98311
4.382		2998	1240
4.409	4,4'-DDD	2816	1819
4.438		499194	347764
4.455		809714	621135
4.479	Endosulfan II	1249644	1034145
4.519		326065	281481
4.553	4,4'-DDT	1973099	1969302
4.577		98326	56114
4.604	Endrin aldehyde	262872	207929
4.638		11113	6702
4.654		19967	11375
4.675		114014	89618
4.72	Endo. sulfate	1001	222
4.741		150511	99894
4.759		710687	521255
4.792		92840	63274
4.821		92603	55904
4.84		399074	249877
4.862		281722	184036
4.875		76160	39413
4.919	Methoxychlor	4245	3534
4.942		4219	2681
4.984		544	123
5.028	Endrin ketone	11813	7800
5.06		329002	254366
5.103	Mirex	660	113
5.139		4134	3960
5.171		24640	19032
5.202		5306	4356
5.225		8010	12166
5.259		10873	11152
5.29		1915	632
5.296		1400	326
5.311		15524	10768
5.362		1370	536
5.375		1193	528
5.395		26194	19611

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
5.437		1064	238
5.46		2964	2660
5.522		558	258
5.558		1006	344
5.592	DCB	3685	4120
5.612		634	133
5.625		847	576
5.645		847	227
5.68		1099	1399
5.701		1691	1170
5.724		451	193
5.742		579	216
5.775		842	304
5.791		682	216
5.809		666	406
5.83		667	240
5.851		503	236
5.869		634	251
5.902		1109	414
5.912		728	170
5.923		1022	1280
5.971		657	1267
5.992		912	474
6.006		508	98
6.024		1337	891
6.052		452	289
6.1		545	187
6.117		1036	339
6.139		393	160
6.166		2595	3049
6.194		632	200
6.201		497	104
6.213		452	101
6.254		699	242
6.279		605	229
6.31		3108	3167
6.34		582	135
6.353		559	238
6.391		652	167
6.404		567	221
6.427		855	371
6.446		898	194
6.501		573	136
6.521		634	112
6.56		3698	5048
6.598		450	72
6.608		661	123
6.625		912	145
6.64		629	314
6.662		678	199
6.71		15024	19497
6.786		552	213
6.828		9894	10659
6.871		1575	2159
6.904		965	227
6.946		594	94
6.979		547	234
6.994		619	158
7.008		516	69
7.037		697	141
7.093		639	163
7.112		450	113
7.128		572	144
7.144		647	360
7.163		542	98
7.184		883	323

2.00
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Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
7.197		778	140
7.242		611	118
7.255		162	91
7.272		2749	3179
7.296		1099	239
7.303		1056	498

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: 2154X1824A AA2154XAA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
 Injected On: 9/28/2018 9:50:34 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB CLP2 30m x 0.32mm x 0.25um
 Data File: 35pest18271001B.033.RAW
 Method File: 35PESTDIB.MET
 Calibration File: 35pest1827101b.CAL

RT B	Compound B	Height B	Area B
.027		578	122
.059		286	128
1.502		429	77
1.539		84819	56878
1.549		88952	73224
1.596		4162	4027
1.606		4302	2978
1.659		1223	695
1.681		530	187
1.695		874	331
1.732		25371	34250
1.782		464	88
1.844		23141	34184
1.931		7576	13368
1.998		180430	239883
2.025		16763	10264
2.04		16678	27856
2.114		5971	7336
2.158		11543	17268
2.198		2872	2506
2.222		706	258
2.276		4106	4483
2.329		65686	69240
2.373		1450	907
2.409		98544	109848
2.448		758	169
2.461		3017	2146
2.496	TCX	32927	32487
2.525		1438	621
2.567		6602	6571
2.594		728	153
2.635		178974	298156
2.698		186696	185742
2.737		899	576
2.776		570566	658223
2.814		814	386
2.84	alpha-BHC	7006	5174
2.859		7436	4839
2.905	HCB	14401	19084
2.95		911	847
2.99		3071	3206
3.036		481	284
3.053		481	295
3.066		541	264
3.101		67550	67638
3.135	gamma-BHC	42518	37158
3.161		21616	16591
3.189		31040	27106
3.228		11793	11765
3.277		137104	168785
3.353	beta-BHC	3728	3711
3.39		12328	14592
3.436		59781	57950
3.463		52371	52531

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
3.501		171207	179100
3.551		107225	101012
3.576	delta-BHC	125069	120591
3.6		138620	137667
3.646	Heptachlor	4485	3625
3.69		60565	66616
3.725		9168	7297
3.769		805528	703698
3.808		245675	230279
3.841		38499	39687
3.888	Aldrin	3064	2730
3.914		462238	390878
3.948		57155	62141
3.977	Telodrin	59815	54205
4.002		30007	25330
4.033		182572	168754
4.053		45939	35449
4.08		3083	2470
4.101		5880	5196
4.12		2843	1730
4.147		33690	25492
4.195	Hept. epoxide	1223649	1043502
4.215		719109	551837
4.244		416545	339817
4.302	o,p-DDE	325391	250744
4.339		1621409	1474671
4.377	g. Chlordane	644923	547835
4.43	a. Chlordane	123936	121733
4.463		568805	436971
4.514	4,4'-DDE	1099968	855046
4.545		434077	477121
4.57	o,p-DDD	2046312	1566477
4.612		205536	157787
4.633		348731	379291
4.669		725700	659767
4.713		159868	128779
4.744	o,p-DDT	1579762	1157077
4.766		60224	33481
4.781	4,4'-DDD	189367	158426
4.817		859557	659017
4.842		598197	447747
4.892		1005073	911114
4.922	Endrin aldehyde	189076	146866
4.945		205775	195918
4.973	4,4'-DDT	1461179	1168939
4.995		429480	321690
5.022		75554	59894
5.052		65787	47889
5.071	Endo. sulfate	17297	11709
5.104		8244	4624
5.125		498469	470118
5.167		6843	4028
5.187	Methoxychlor	66518	45293
5.211		56669	38712
5.235		6555	4456
5.259		340917	246156
5.292	Endrin ketone	233629	219568
5.326		11722	10055
5.359		8005	5866
5.377		1021	436
5.441		199550	153438
5.463		40467	32414
5.478		15870	14845
5.516		7372	4845
5.553		6892	8049
5.573	Mirex	6890	2950

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
5.618		17125	26332
5.653		12821	17005
5.709		4705	7843
5.756		22834	26442
5.805		658	908
5.954		2255	2086
5.985		696	301
6.011		434	67
6.03		844	435
6.052		552	165
6.107	DCB	781	192
6.124		679	305
6.141		454	108
6.208		657	248
6.245		614	217
6.273		479	74
6.285		382	105
6.31		1411	1989
6.358		530	228
6.395		518	144
6.423		319	212
6.443		653	211
6.478		853	359
6.506		370	79
6.528		570	252
6.545		1136	763
6.588		545	144
6.625		537	130
6.632		875	393
6.668		444	247
6.726		445	104
6.791		573	130
6.81		625	301
6.839		493	151
6.906		679	204
6.967		549	320
6.987		765	318
7.014		507	199
7.044		407	74
7.054		813	195
7.072		551	378
7.084		724	311
7.116		664	116
7.155		520	117
7.193		548	159
7.236		439	219
7.255		658	298
7.293		375	188
7.319		570	116

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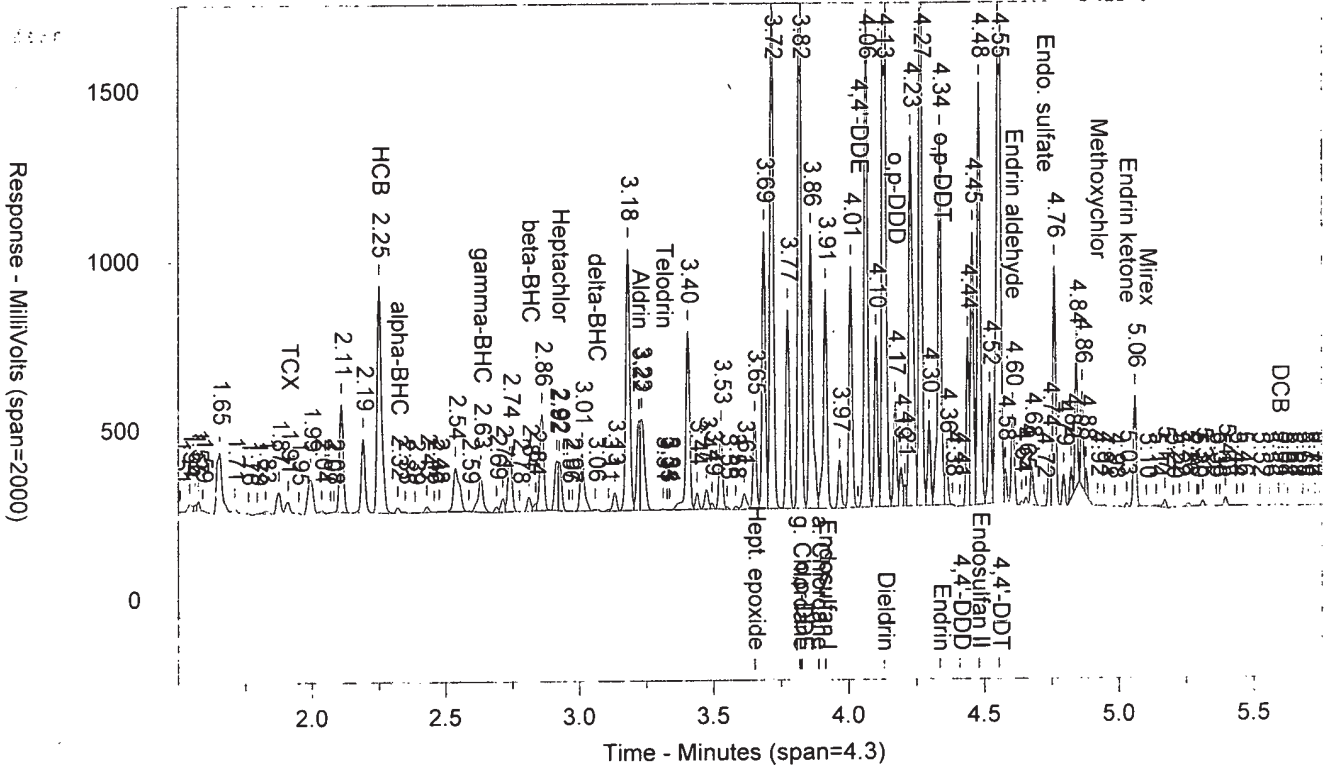
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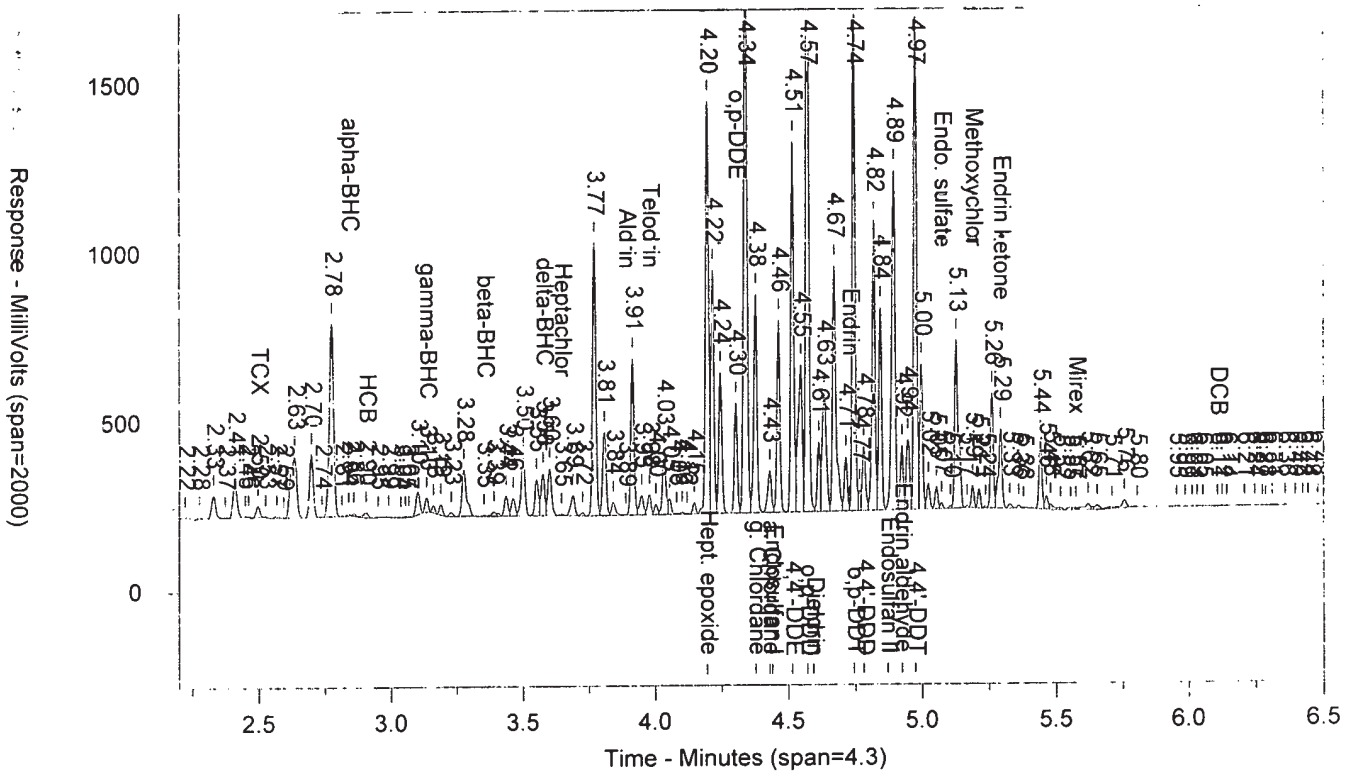
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: 2154X1824A AA2154XAA ICAL 1827099999 00177 SW-846 8081A
 Injected On: 9/28/2018 9:50:34 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.909	30773	.239	TCX	2.496	32927	.266	TCX
2.25	673637	3.976	HCB	2.905	14401	.102	HCB
2.319	15334	.07	alpha-BHC	2.84	7006	.04	alpha-BHC
2.631	105808	.53	gamma-BHC	3.135	42518	.275	gamma-BHC
2.811	42169	.448	beta-BHC	3.353	3728	-.376	beta-BHC
2.924	144591	.818	Heptachlor	3.646	4485	.028	Heptachlor
3.058	2172	.011	delta-BHC	3.576	125069	.665	delta-BHC
3.222	265842	1.401	Aldrin	3.888	3064	.018	Aldrin
3.312	933	.007	Telodrin	3.977	59815	.526	Telodrin
3.653	256636	1.34	Hept. epoxide	4.195	1223649	8.685	Hept. epoxide
3.819	1829674	9.068	g. Chlordane	4.377	644923	4.081	g. Chlordane
3.914	649126	3.425	Endosulfan I		0		Endosulfan I
4.13	2858511	13.909	Dieldrin		0		Dieldrin
4.171	305007	2.591	o,p-DDD	4.57	2046312	23.188	o,p-DDD
	0		o,p-DDE	4.302	325391	3.26	o,p-DDE
4.336	1091592	5.9	Endrin		0		Endrin
4.400	2816	.017	4,4'-DDD	4.781	189367	1.515	4,4'-DDD
	0		a. Chlordane	4.43	123936	.438	a. Chlordane
4.479	1249644	6.763	Endosulfan II		0		Endosulfan II
	0		4,4'-DDE	4.514	1099968	1.23	4,4'-DDE
4.553	1973099	13.015	4,4'-DDT	4.973	1461179	12.483	4,4'-DDT
4.604	262872	1.745	Endrin aldehyde	4.922	189076	1.711	Endrin aldehyde
4.72	1001	.006	Endo. sulfate	5.071	17297	.138	Endo. sulfate
	0		o,p-DDT	4.744	1579762	16.336	o,p-DDT
4.919	4245	.059	Methoxychlor	5.187	66518	1.231	Methoxychlor
5.028	11813	.061	Endrin ketone	5.292	233629	1.28	Endrin ketone
5.103	660	.005	Mirex	5.573	6890	.093	Mirex
5.592	3685	-1.173	DCB	6.107	781	-2.389	DCB

Files:
 Area File: 35pest18271001.033.RAW
 Area File: 35pest18271001B.033.RAW
 Method A: 35PESTD1.MET
 Method B: 35PESTD1B.MET
 Calibration File A: 35pest1827101.CAL
 Calibration File B: 35pest1827101b.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 9/28/2018 9:57:55 PM
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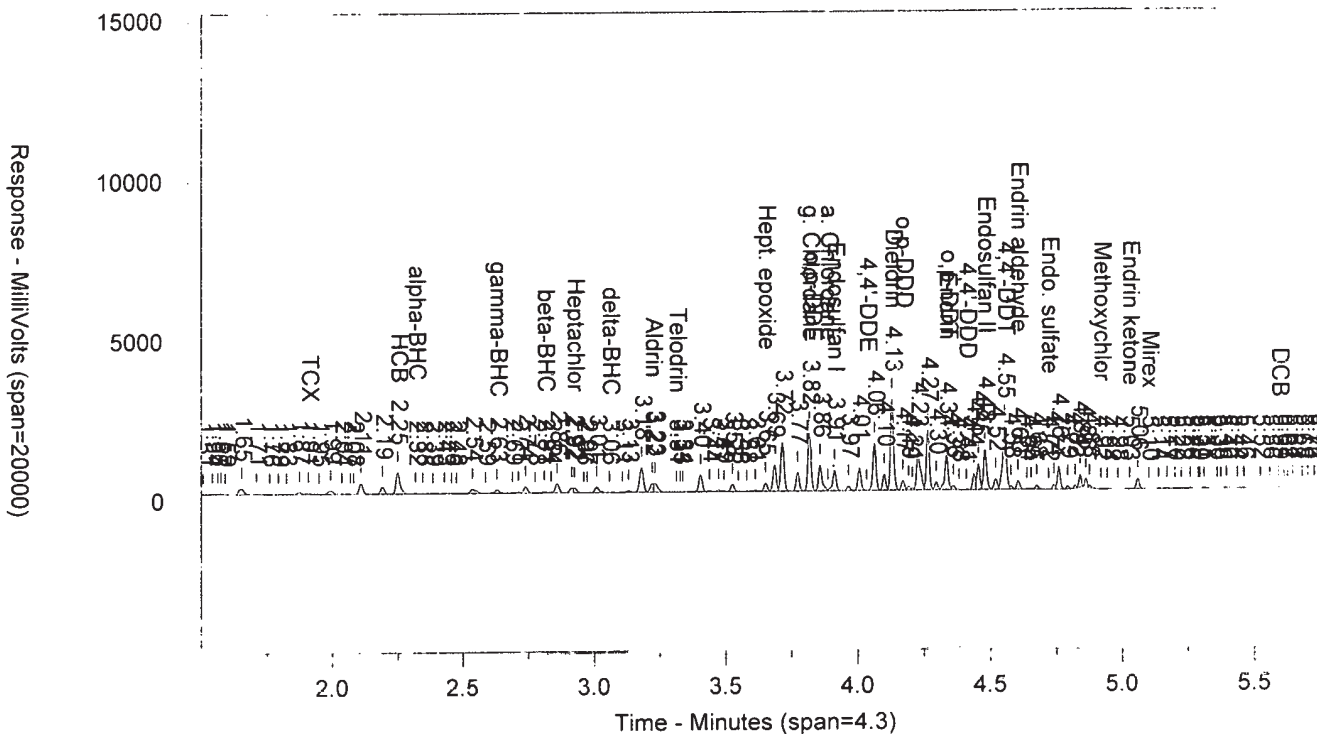
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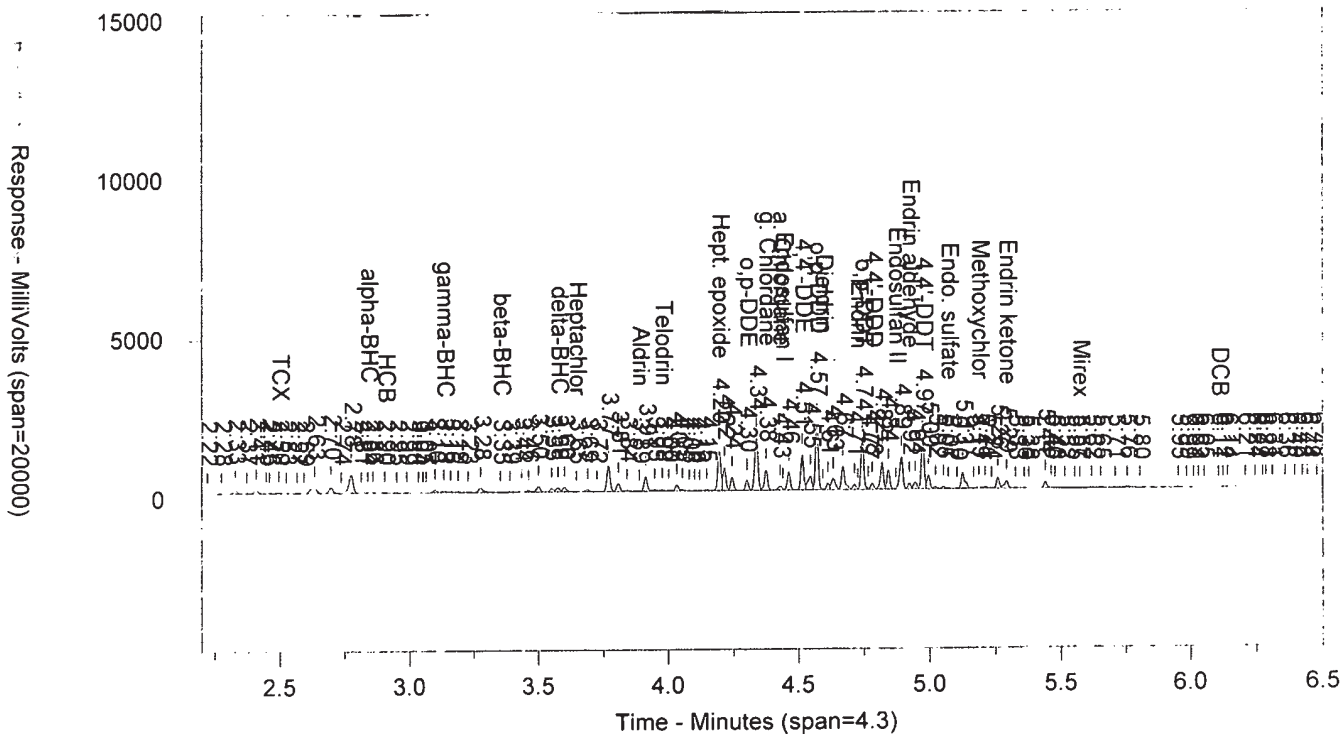
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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: AR4841824B AAAR484AA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
 Injected On: 9/28/2018 10:00:58 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB CLP2 30m x 0.32mm x 0.25um
 Date File: 35pest18271001.034.RAW
 Method File: 35PESTDI.MET
 Calibration File: 35pest1827101.CAL

RT A	Compound A	Height A	Area A
.056		659	352
.063		794	217
.088		832	322
1.502		860	202
1.578		1966	1968
1.603		565	164
1.633		457	110
1.649		3334	1470
1.662		2303	1273
1.704		1415	504
1.754		648	128
1.8		1156	2237
1.833		830	433
1.84		1053	381
1.873		2025	2636
1.919	TCX	982	305
1.927		824	177
1.952		741	280
1.967		459	69
1.997		14427	15980
2.018		1006	362
2.054		1031	323
2.066		605	144
2.107		28671	28483
2.158		668	226
2.191		20535	20469
2.249	HCB	99130	112777
2.293		877	187
2.332	alpha-BHC	858	563
2.361		585	277
2.371		667	203
2.398		828	299
2.43		27722	27378
2.466		839	209
2.472		813	147
2.497		1429	1064
2.537		394005	528684
2.616	gamma-BHC	28877	46193
2.691		5799	4099
2.714		164287	157727
2.738		178050	182158
2.812	beta-BHC	73577	73411
2.838		30268	28008
2.863		4117	3620
2.915		675441	641013
2.925	Heptachlor	673490	571967
3.01		417750	461471
3.058	delta-BHC	43503	44396
3.093		750	106
3.101		1096	342
3.133		259956	265304
3.182		748386	928408
3.221	Aldrin	561528	562056
3.245		447949	511239

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
3.299	Telodrin	1973	1108
3.338		4207	4516
3.356		6550	5881
3.369		8506	10310
3.406		995865	924801
3.439		339191	306445
3.475		315176	296431
3.496		75005	59446
3.527		757428	735720
3.551		31339	22741
3.583		14644	13880
3.614		258649	273990
3.653	Hept. epoxide	606864	533059
3.688		1114373	964817
3.72		1217059	1104258
3.775		213583	181715
3.82	g. Chlordane	413556	367798
3.86		302624	226407
3.876		602540	501240
3.899	a. Chlordane	498453	415328
3.914	Endosulfan I	277645	213114
3.968		56578	55894
4.007		275673	225642
4.064		438374	370331
4.101		285070	221165
4.13	Dieldrin	687059	554970
4.178	o,p-DDD	71202	66541
4.192		31483	24217
4.24		256622	269036
4.266		468374	365180
4.298	Endrin	20352	18347
4.337	o,p-DDT	74903	68364
4.363		62424	49425
4.384	4,4'-DDD	11164	13659
4.44		36717	25302
4.456		66321	52580
4.481	Endosulfan II	448819	350670
4.52		23763	23721
4.554	4,4'-DDT	123485	123558
4.578		24398	18225
4.607	Endrin aldehyde	23069	19793
4.639		2434	1567
4.676		6165	7641
4.742	Endo. sulfate	24269	17419
4.76		45681	32610
4.794		11009	8089
4.821		5772	3588
4.841		21132	12421
4.862		43887	32035
4.906		815	220
4.914	Methoxychlor	609	220
4.941		3876	3540
4.985		951	445
5.007		1452	844
5.028	Endrin ketone	18505	12845
5.061		36587	29659
5.111	Mirex	484	383
5.142		1015	243
5.175		3362	2377
5.203		2289	3392
5.237		2650	1568
5.26		8350	8317
5.284		2781	942
5.291		2468	1445
5.313		17904	14618
5.354		1026	758

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
5.379		1164	601
5.424		685	184
5.46		7872	8873
5.521		1128	319
5.539		640	248
5.546		1019	256
5.555		792	275
5.575		726	221
5.591	DCB	1019	677
5.648		929	298
5.669		846	127
5.685		488	120
5.715		499	149
5.728		696	279
5.757		572	117
5.779		805	194
5.812		565	92
5.825		968	301
5.84		801	350
5.879		495	117
5.901		550	118
5.914		641	199
5.962		895	662
5.971		620	241
5.998		577	106
6.009		601	178
6.033		748	373
6.071		966	276
6.09		732	132
6.107		651	369
6.132		526	79
6.164		9473	11348
6.213		1902	1529
6.240		928	168
6.262		897	197
6.286		750	105
6.298		558	320
6.331		4779	4707
6.362		472	141
6.385		693	286
6.403		627	161
6.42		778	363
6.43		528	166
6.448		628	123
6.467		615	213
6.475		853	209
6.487		636	255
6.548		528	380
6.589		745	341
6.6		861	135
6.609		871	326
6.622		539	130
6.657		238	103
6.668		617	125
6.684		724	224
6.71		770	187
6.73		681	221
6.74		615	278
6.755		459	118
6.772		560	155
6.791		839	258
6.812		668	129
6.829		368	89
6.839		465	111
6.861		418	368
6.883		514	106

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Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
6.91		513	125
6.939		609	87
6.972		1128	535
7.029		989	530
7.054		566	216
7.107		441	106
7.123		796	131
7.138		528	172
7.18		756	168
7.212		661	152
7.267		466	645
7.291		607	179
7.306		827	193
7.328		189	114

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: AR4841824B AAAR484AA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
 Injected On: 9/28/2018 10:00:58 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB CLP2 30m x 0.32mm x 0.25um
 Data File: 35pest18271001B.034.RAW
 Method File: 35PESTDIB.MET
 Calibration File: 35pest1827101b.CAL

RT B	Compound B	Height B	Area B
.011		760	249
.037		380	191
.067		503	233
1.51		533	108
1.539		1855	3097
1.604		2696	4009
1.651		604	456
1.731		7331	8455
1.855		1422	1745
1.895		512	572
1.956		572	266
1.995		4635	5097
2.076		590	273
2.112		445	178
2.162		447	88
2.198		690	244
2.225		489	142
2.277		544	534
2.408		14908	17448
2.491	TCX	489	233
2.622		3282	3573
2.631		3425	2944
2.696		17626	17549
2.774		88283	102055
2.828	alpha-BHC	409	141
2.859		3682	3482
2.903	HCB	23644	25549
2.981		374	69
3.039		554	172
3.1		282044	288656
3.132	gamma-BHC	109186	102585
3.188		23434	22121
3.224		8117	7923
3.273		150033	155353
3.294		141341	133698
3.349		784	430
3.38	beta-BHC	1761	1152
3.406		6944	6026
3.459		67604	63572
3.487		28706	27400
3.55		592056	564936
3.574	delta-BHC	567585	544138
3.599		310685	328649
3.687		275643	344126
3.724		64288	57490
3.768		688942	607121
3.806		646608	577798
3.84		242116	218986
3.913		809575	680956
3.946		311462	305094
3.977	Telodrin	280235	227545
4.001		163373	141268
4.033		586035	497897
4.053		227367	187595

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
4.084		6196	5215
4.099		4687	2919
4.118		24733	18639
4.145		27153	19371
4.173	Hept. epoxide	60366	45774
4.198		669097	571113
4.214		988302	772904
4.243		893694	713400
4.301	o,p-DDE	78696	67058
4.334		744268	732044
4.367	g. Chlordane	427186	478948
4.43	a. Chlordane	50093	48769
4.462		207345	170473
4.513	4,4'-DDE	316055	247283
4.545		224329	203289
4.569	o,p-DDD	520331	394709
4.611	Dieldrin	15134	10288
4.633		166994	165469
4.669		52893	39898
4.683		22693	13749
4.713		51962	36313
4.743	o,p-DDT	359424	266400
4.788	4,4'-DDD	12534	11613
4.816		55597	57108
4.841		43732	30790
4.891		352886	268917
4.921	Endrin aldehyde	13095	10116
4.944		11333	9063
4.973	4,4'-DDT	95422	72762
4.995		28559	19388
5.021		15892	11093
5.052		7531	4779
5.07		1194	476
5.086	Endo. sulfate	795	438
5.125		23375	14177
5.137		5474	2503
5.164		1998	1316
5.187	Methoxychlor	7155	4928
5.209		4437	3098
5.258		20880	15465
5.291	Endrin ketone	34911	29626
5.333		1997	1364
5.356		2722	3562
5.407		654	229
5.44		23763	17886
5.477		11507	11689
5.506		729	145
5.616		5103	5906
5.652		7772	11055
5.691		1461	1234
5.71		859	559
5.758		9503	7586
5.806		544	641
5.87		648	252
5.948		3200	2369
5.998		913	1341
6.006		742	315
6.027		453	227
6.056		469	173
6.077		492	108
6.087		656	255
6.104	DCB	708	202
6.134		722	277
6.144		681	246
6.154		631	161
6.204		614	283

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
6.215		818	137
6.26		547	165
6.279		369	294
6.317		396	195
6.357		628	127
6.373		670	153
6.399		406	93
6.408		635	239
6.476		615	201
6.503		334	145
6.522		641	111
6.562		607	135
6.577		664	225
6.598		429	284
6.619		629	257
6.644		492	294
6.679		403	262
6.701		582	265
6.723		633	151
6.734		623	159
6.747		692	278
6.783		544	220
6.803		684	461
6.824		747	368
6.832		786	202
6.847		555	262
6.899		1622	1728
6.967		352	489
7.011		848	195
7.019		429	143
7.067		615	347
7.114		461	110
7.153		427	110
7.202		716	344
7.215		382	231
7.234		609	226
7.281		2376	4578
7.308		563	220

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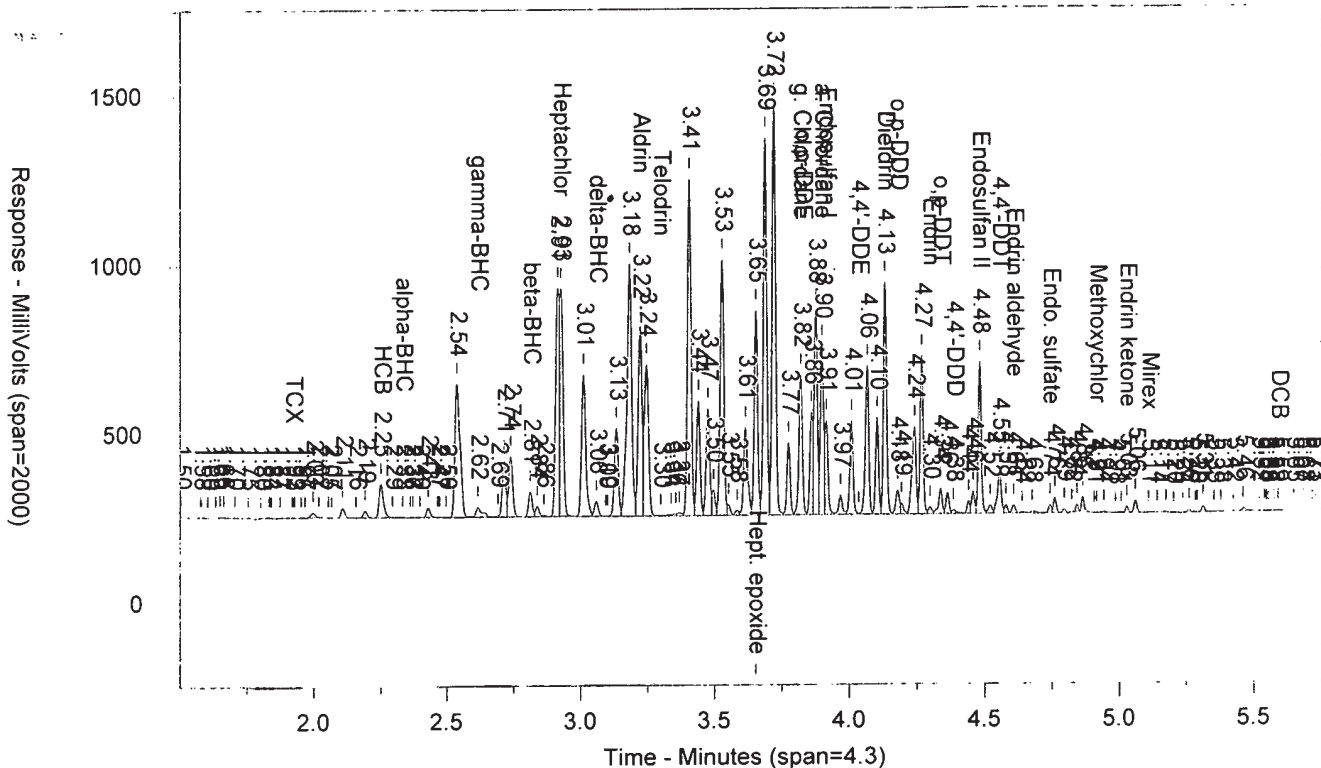
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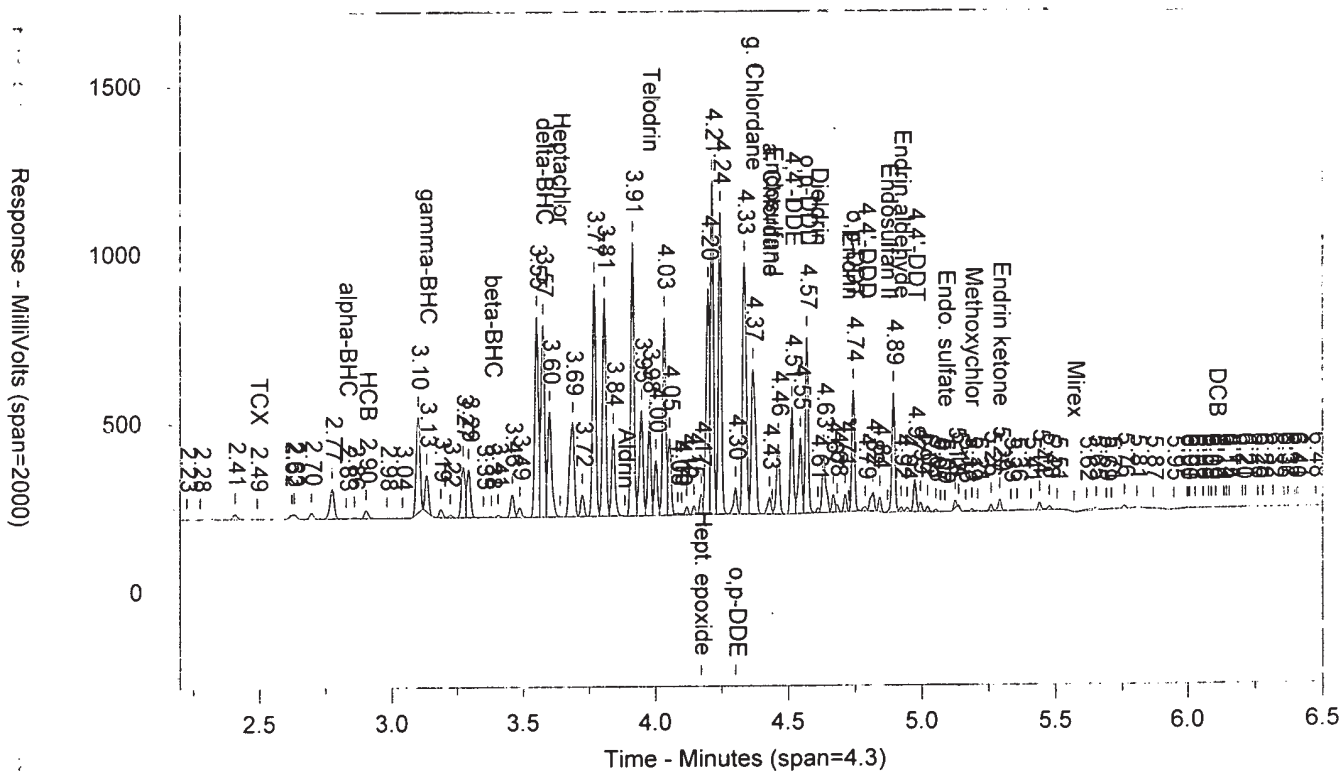
00177

SW-846 8081A

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.034.RAW



\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.034.RAW



Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: AR4841824B AAAR484AA ICAL 182709999 00177 SW-846 8081A
 Injected On: 9/28/2018 10:00:58 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.919	982	.008	TCX	2.491	489	.004	TCX
2.249	99130	.585	HCB	2.903	23644	.167	HCB
2.332	858	.004	alpha-BHC	2.828	409	.002	alpha-BHC
2.616	28877	.145	gamma-BHC	3.132	109186	.707	gamma-BHC
2.812	73577	.782	beta-BHC	3.38	1761	-.403	beta-BHC
2.925	673490	3.809	Heptachlor		0		Heptachlor
3.058	43503	.219	delta-BHC	3.574	567585	3.016	delta-BHC
3.221	581528	2.959	Aldrin		0		Aldrin
3.299	1973	.015	Telodrin	3.977	280235	2.463	Telodrin
3.653	606864	3.168	Hept. epoxide	4.173	60366	.031	Hept. epoxide
3.82	413556	2.05	g. Chlordane	4.367	427186	2.703	g. Chlordane
3.899	498453	2.494	a. Chlordane	4.43	50093	-.137	a. Chlordane
3.914	277645	1.465	Endosulfan I		0		Endosulfan I
4.13	687059	3.343	Dieldrin	4.611	15134	-.949	Dieldrin
4.178	71202	.605	o,p-DDD	4.569	520331	5.896	o,p-DDD
4.298	20352	.11	Endrin		0		Endrin
	0		o,p-DDE	4.301	78696	.788	o,p-DDE
4.337	74903	.594	o,p-DDT	4.743	359424	3.717	o,p-DDT
4.384	11164	.068	4,4'-DDD	4.788	12534	.1	4,4'-DDD
4.481	448819	2.429	Endosulfan II		0		Endosulfan II
	0		4,4'-DDE	4.513	316055	2.077	4,4'-DDE
4.554	123485	.815	4,4'-DDT	4.973	95422	.815	4,4'-DDT
4.607	23069	.153	Endrin aldehyde	4.921	13095	.118	Endrin aldehyde
4.742	24269	.146	Endo. sulfate	5.086	795	.006	Endo. sulfate
4.914	609	.009	Methoxychlor	5.187	7155	.132	Methoxychlor
5.028	18505	.096	Endrin ketone	5.291	34911	-.402	Endrin ketone
5.111	484	.004	Mirex		0		Mirex
5.591	1019	-1.196	DCB	6.104	708	-2.39	DCB

Files:

Area File: 35pest18271001.034.RAW
 Area File: 35pest18271001B.034.RAW
 Method A: 35PESTDI.MET
 Method B: 35PESTDIB.MET
 Calibration File A: 35pest1827101.CAL
 Calibration File B: 35pest1827101b.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 9/28/2018 10:08:18 PM
 File Reported On: 10/3/2018 at 7:10:20 PM

AR4841824B

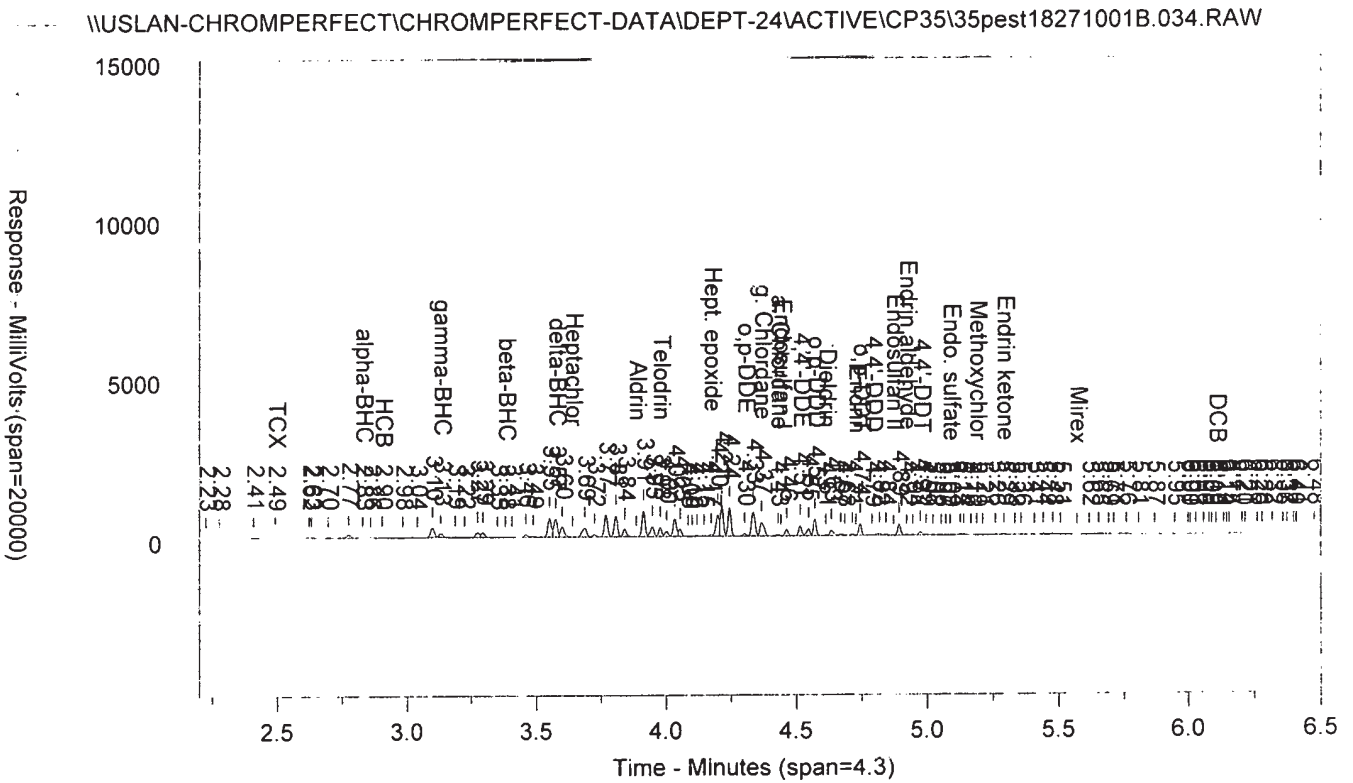
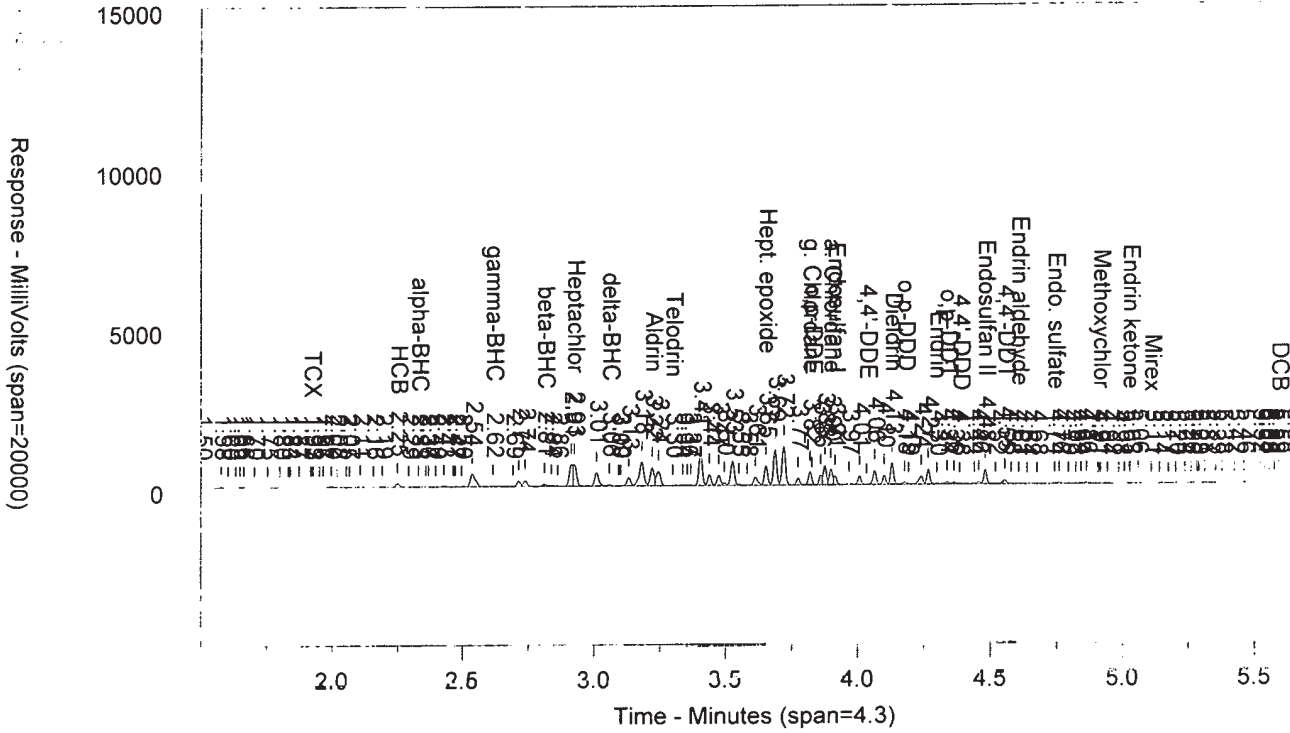
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MDLEX1824D

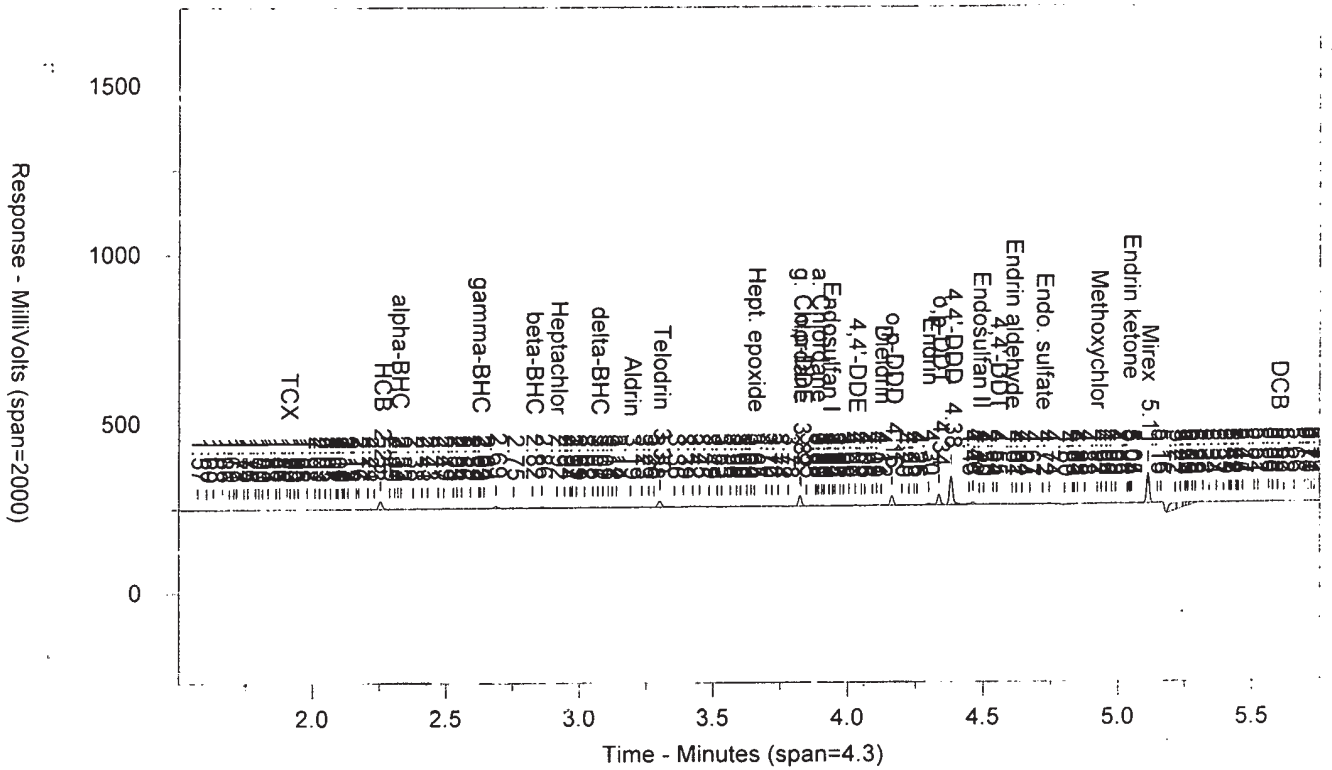
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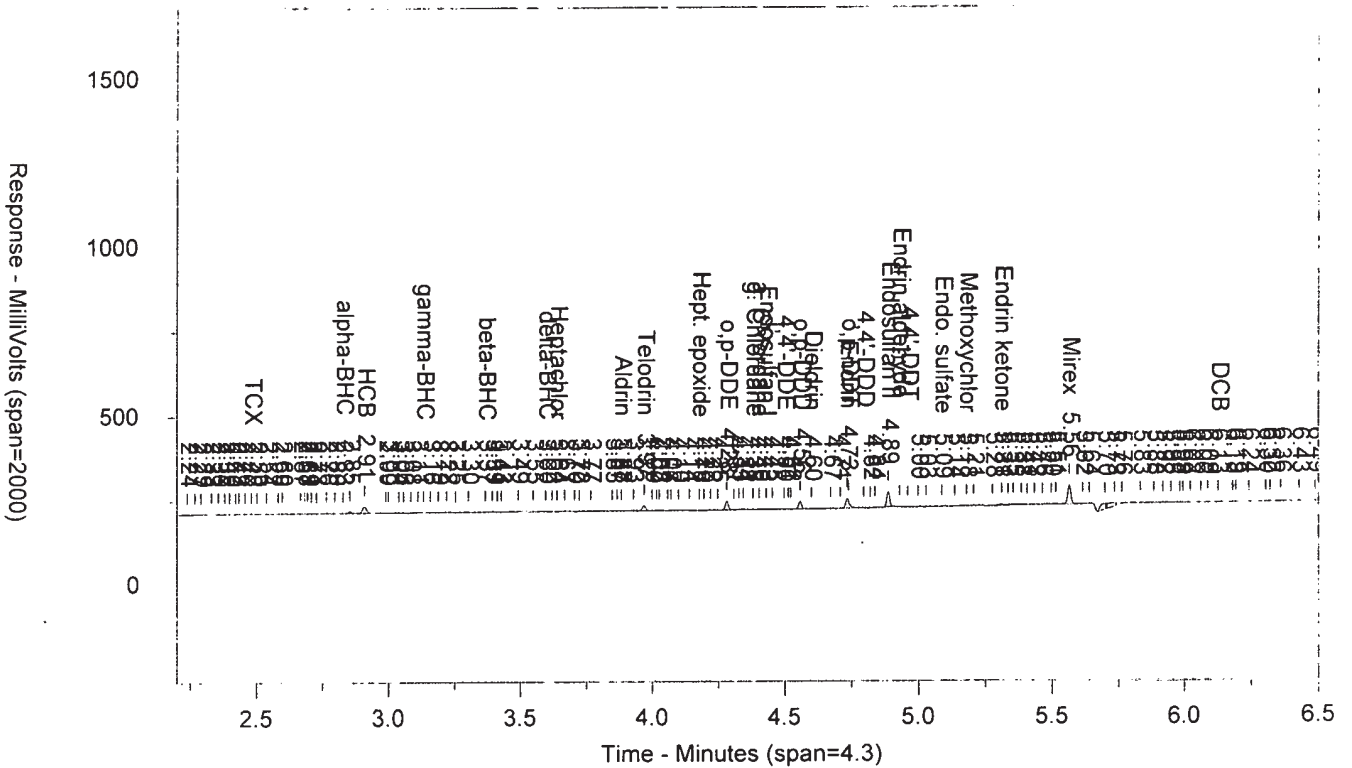
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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: MDLEX1824D AAMDLEXAA ICAL 1827099999 00177 SW-846 8081A
 Injected On: 9/28/2018 10:21:55 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.905	392	.003	TCX	2.481	515	.004	TCX
2.254	22782	.134	HCB	2.909	19688	.139	HCB
2.32	1066	.005	alpha-BHC	2.827	559	.003	alpha-BHC
2.624	781	.004	gamma-BHC		0		gamma-BHC
2.824	3178	.034	beta-BHC	3.368	886	-.416	beta-BHC
2.916	1714	.01	Heptachlor	3.638	581	.004	Heptachlor
3.069	417	.002	delta-BHC	3.596	724	.004	delta-BHC
3.191	686	.004	Aldrin	3.882	517	.003	Aldrin
3.302	18100	.138	Telodrin	3.969	14416	.127	Telodrin
3.653	602	.003	Hept. epoxide	4.178	1311	-.409	Hept. epoxide
3.823	31310	.155	g. Chlordane	4.38	379	.002	g. Chlordane
3.891	659	.003	a. Chlordane	4.403	1020	-.519	a. Chlordane
3.931	917	.005	Endosulfan I	4.429	720	-.41	Endosulfan I
4.027	2624	.013	4,4'-DDE	4.497	792	.005	4,4'-DDE
4.124	873	.004	Dieldrin	4.599	487	-1.059	Dieldrin
4.163	28307	.24	o,p-DDD	4.558	23071	.261	o,p-DDD
	0		o,p-DDE	4.281	27019	.271	o,p-DDE
4.299	5299	.029	Endrin	4.733	28549	.22	Endrin
4.337	32006	.254	o,p-DDT		0		o,p-DDT
4.382	85270	.523	4,4'-DDD		0		4,4'-DDD
4.486	708	.004	Endosulfan II	4.887	44861	.335	Endosulfan II
4.55	2469	.016	4,4'-DDT		0		4,4'-DDT
4.608	948	.006	Endrin aldehyde		0		Endrin aldehyde
4.721	532	.003	Endo. sulfate	5.087	653	.005	Endo. sulfate
4.923	521	.007	Methoxychlor	5.179	533	.01	Methoxychlor
5.043	1209	.006	Endrin ketone	5.31	4669	-.658	Endrin ketone
5.113	89710	.688	Mirex	5.564	56721	.764	Mirex
5.594	743	-1.198	DCB	6.127	300	-2.398	DCB

Hept. epoxide o,p-DDD

Endrin o,p-DDT

Files:
 Area File: 35pest18271001.036.RAW
 Area File: 35pest18271001B.036.RAW
 Method A: 35PESTD.MET
 Method B: 35PESTDDB.MET
 Calibration File A: 35pest1827101.CAL
 Calibration File B: 35pest1827101b.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 9/28/2018 10:29:16 PM
 File Reported On: 10/3/2018 at 7:10:42 PM

Close eluters

Andrea L. Jones
 Andrea L. Jones
 Chemist

OCT 04 2018

Chrom Perfect Chromatogram Report

MDLEX1824D

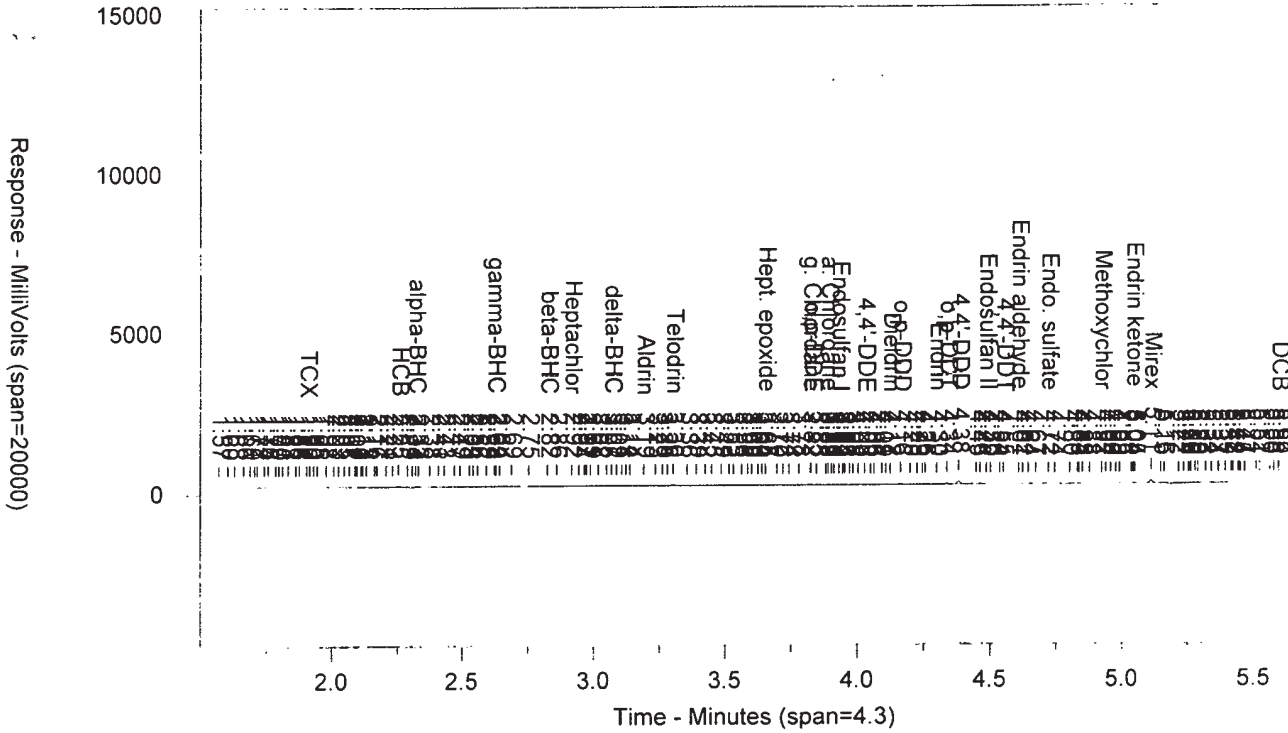
AAMDLEXAA

ICAL 1827099999

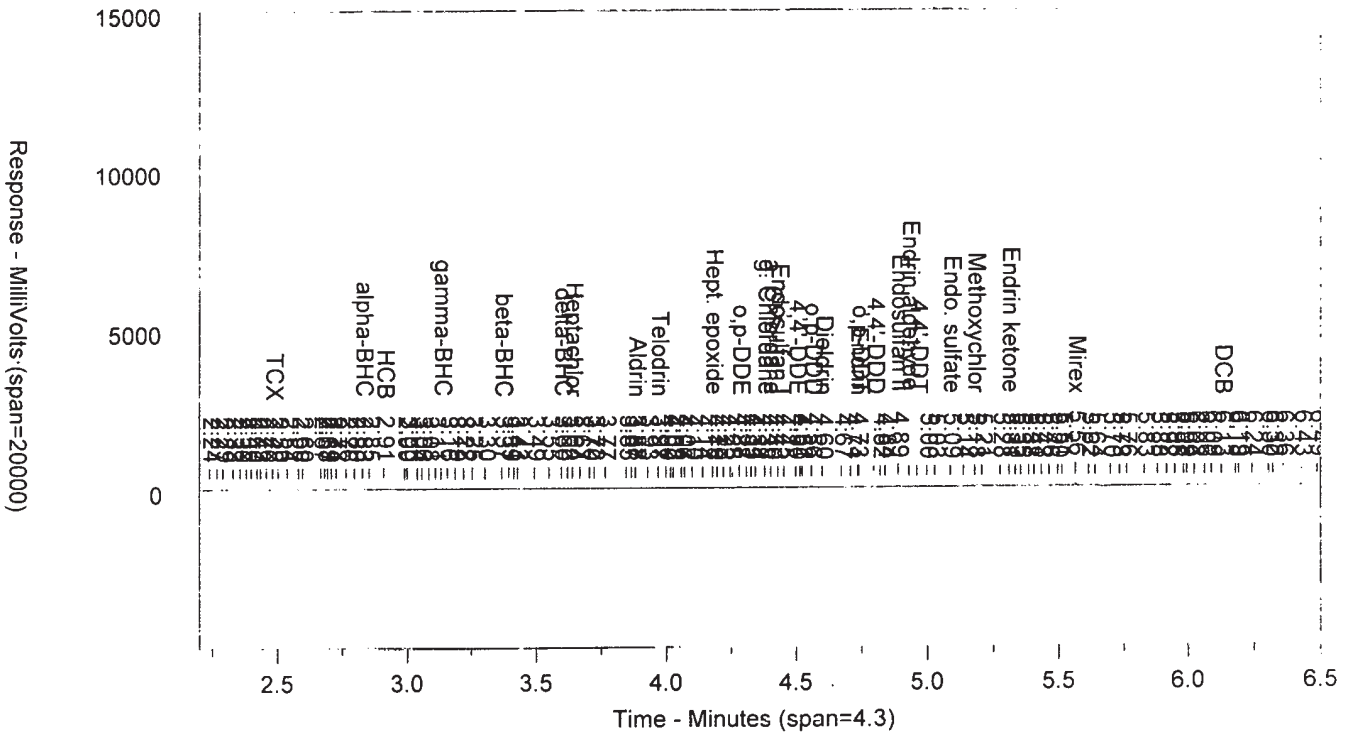
00177

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Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: MDTXX1824D **MDTXXAA ID:** AA **Batchnumber:** 1827099999
Sample Amount: 1 **Total Volume:** 1 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Sep 28, 2018 22:32:25
 Instrument : CP35--24952A
 Result file : 35PEST18271001.037.RAW
 Calibration file : 35PEST1827101.CAL
 Method file : 35PESTDI.MET

Analysis Report (B)

Injected on : Sep 28, 2018 22:32:25
 Instrument : CP35--24952B
 Result file : 35PEST18271001B.037.RAW
 Calibration file : 35PEST1827101B.CAL
 Method file : 35PESTDIB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
6 23.76							
+ 2.22	2.23	2.28	568.0625	0.216447	1		
2.22	2.24	2.28	847.8948	0.32307	1		
+ 2.22	2.27	2.28	763.4772	0.290905	1		
+ 2.51	2.51	2.57	970.437	0.246369	2		
2.51	2.53	2.57	1076.027	0.273176	2		
+ 2.71	2.71	2.77	745.9536	0.322259	3		
2.71	2.74	2.77	678.7438	0.293224	3		
+ 2.71	2.76	2.77	722.7952	0.312254	3		
+ 2.90	2.91	2.96	1355.155	0.192279	4		
2.90	2.92	2.96	1401.448	0.198847	4		
+ 2.90	2.94	2.96	628.4927	0.089175	4		
+ 2.98	2.99	3.04	718.0555	0.175363	5		
2.98	3.03	3.04	960.8574	0.23466	5		
+ 3.10	3.10	3.16	864.8777	0.29545	6		
3.10	3.15	3.16	489.7406	0.1673	6		
<u>Height Summation:</u>			5454.7116				
Amount Avg CF:			0.248379	Linear:			
Aroclor-1221							
2 64.55							
2.09	2.12	2.13	1073.962	0.674563	1		
2.23	2.24	2.27	847.8948	0.251736	3		
+ 2.23	2.27	2.27	763.4772	0.226673	3		
<u>Height Summation:</u>			1921.8568				
Amount Avg CF:			0.46315	Linear:			
Aroclor-1248							
6 142.14							
+ 3.15	3.15	3.21	489.7406	0.130879	1		
3.15	3.19	3.21	954.6473	0.255122	1		
+ 3.15	3.21	3.21	1175.911	0.314253	1		
+ 3.38	3.39	3.44	769.4192	0.154523	2		
3.38	3.41	3.44	867.7023	0.174261	2		
+ 3.38	3.42	3.44	1167.698	0.234509	2		
+ 3.41	3.42	3.47	1167.698	0.688519	3		
3.41	3.44	3.47	2310.503	1.362361	3		
+ 3.41	3.45	3.47	2289.304	1.349861	3		
* 3.66	3.70	3.72	2101.679	0.377195	4		
+ 3.69	3.70	3.75	2101.679	0.34537	5		
3.69	3.74	3.75	608.6598	0.100021	5		
+ 3.69	3.75	3.75	920.3021	0.151234	5		
4.10	4.13	4.16	12943.24	3.767723	6		
<u>Height Summation:</u>			19786.4314				
Amount Avg CF:			1.006114	Linear:			

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
6 40.42							
2.75	2.76	2.81	366.9612	0.153531	1		
3.07	3.09	3.13	481.25	0.167214	2		
3.25	3.30	3.31	637.8932	0.296762	3		
* 3.55	3.58	3.61	533.2294	0.08779	4		
+ 3.57	3.58	3.63	533.2294	0.144657	5		
+ 3.55	3.60	3.61	1034.791	0.170367	4		
* 3.57	3.60	3.63	1034.791	0.280723	5		
+ 3.66	3.67	3.72	602.6626	0.206929	6		
3.66	3.69	3.72	568.762	0.195289	6		
<u>Height Summation:</u>			3622.8868				
Amount Avg CF:			0.196885	Linear:			
Aroclor-1221							
3 64.92							
2.62	2.63	2.66	648.0519	0.724186	1		
+ 2.62	2.65	2.66	475.4464	0.531302	1		
2.68	2.68	2.72	554.5455	0.594063	2		
2.76	2.76	2.80	366.9612	0.128631	3		
<u>Height Summation:</u>			1569.5586				
Amount Avg CF:			0.482293	Linear:			
Aroclor-1248							
6 139.50							
3.74	3.76	3.80	392.1726	0.113848	1		
3.78	3.83	3.84	542.961	0.107941	2		
3.88	3.94	3.94	614.3481	0.151771	3		
4.18	4.21	4.24	1760.223	0.366009	4		
+ 4.18	4.22	4.24	2347.271	0.475011	4		
4.30	4.33	4.36	5762.555	1.548516	5		
+ 4.30	4.35	4.36	2186.984	0.587687	5		
4.54	4.56	4.60	9178.368	3.527896	6		
+ 4.54	4.58	4.60	10993.12	4.225433	6		
+ 4.54	4.59	4.60	8956.573	3.442644	6		
<u>Height Summation:</u>			18249.6277				
Amount Avg CF:			0.977663	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: MDTXX1824D **MDTXXAA ID:** AA **Batchnumber:** 1827099999
Sample Amount: 1 **Total Volume:** 1 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Sep 28, 2018 22:32:25
 Instrument : CP35--24952A
 Result file : 35PEST18271001.037.RAW
 Calibration file : 35PEST1827101.CAL
 Method file : 35PESTDI.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
3.69	3.70	3.75	2101.679	0.34397	6	137.12	1
+ 3.69	3.74	3.75	608.6598	0.099616			1
3.79	3.80	3.85	5168.212	0.706166			2
4.03	4.05	4.09	6738.61	1.143113			3
+ 4.03	4.07	4.09	11647.27	1.9758			3
+ 4.03	4.09	4.09	12380.5	2.100182			3
4.23	4.26	4.30	5598.788	0.744319			4
+ 4.23	4.28	4.30	8698.635	1.156422			4
+ 4.23	4.29	4.30	8371.363	1.112914			4
+ 4.45	4.46	4.51	11307.04	2.262052			5
4.45	4.49	4.51	32122.17	6.426264			5
+ 4.52	4.54	4.58	6491.482	0.822498			6
4.52	4.55	4.58	6560.939	0.831299			6
+ 4.52	4.57	4.58	1716.656	0.217508			6

Height Summation: 58290.398
 Amount Avg CF: 1.699188 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
+ 4.20	4.20	4.26	12238.41	1.475268	6	69.80	1
4.20	4.23	4.26	10635.23	1.282014			1
+ 4.31	4.31	4.37	8704.812	0.879655			2
+ 4.31	4.32	4.37	13386.29	1.352736			2
4.31	4.34	4.37	8813.382	0.890626			2
+ 4.52	4.54	4.58	6491.482	0.665999			3
4.52	4.55	4.58	6560.939	0.673125			3
+ 4.52	4.57	4.58	1716.656	0.170122			3
+ 4.71	4.72	4.77	12301.24	1.760625			4
4.71	4.74	4.77	21766.11	3.115292			4
+ 4.71	4.77	4.77	3245.638	0.464535			4
+ 4.83	4.84	4.89	13419.61	0.857591			5
4.83	4.87	4.89	21148.52	1.351514			5
5.03	5.05	5.09	7626.146	0.64474			6
+ 5.03	5.08	5.09	7518.801	0.635665			6

Height Summation: 76550.327
 Amount Avg CF: 1.326219 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
+ 2.74	2.74	2.78	678.7438	0.136711	4	137.15	1
2.74	2.76	2.78	722.7952	0.145583			1
+ 2.74	2.77	2.78	616.0234	0.124078			1
3.65	3.65	3.69	4933.365	1.129539			2
3.80	3.80	3.84	5168.212	0.295682			3
4.47	4.49	4.51	32122.17	4.819492			5

Height Summation: 42946.5422
 Amount Avg CF: 1.597574 Linear:

Analysis Report (B)

Injected on : Sep 28, 2018 22:32:25
 Instrument : CP35--24952B
 Result file : 35PEST18271001B.037.RAW
 Calibration file : 35PEST1827101B.CAL
 Method file : 35PESTDIB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
+ 4.17	4.17	4.23	2944.903	0.601664	6	87.40	1
4.17	4.21	4.23	1759.223	0.359421			1
+ 4.17	4.22	4.23	2347.271	0.479564			1
4.31	4.33	4.37	5762.555	0.88851			2
+ 4.31	4.35	4.37	2186.984	0.337204			2
+ 4.54	4.56	4.60	9178.368	1.12133			3
4.54	4.58	4.60	10993.12	1.343041			3
+ 4.54	4.59	4.60	8956.573	1.094234			3
+ 4.71	4.71	4.77	6530.193	1.033414			4
+ 4.71	4.73	4.77	8691.371	1.375424			4
4.71	4.75	4.77	25759.81	4.076533			4
+ 4.71	4.77	4.77	7377.415	1.167488			4
+ 4.86	4.87	4.92	16581.57	4.124469			5
4.86	4.89	4.92	9575.362	2.381758			5
+ 4.86	4.91	4.92	26290.08	6.539346			5
4.94	4.96	5.00	3473.18	0.594243			6
+ 4.94	4.99	5.00	16820.24	2.877854			6

Height Summation: 57323.25
 Amount Avg CF: 1.607251 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
+ 4.64	4.64	4.70	5686.727	0.980318	6	67.92	1
4.64	4.67	4.70	9996.217	1.723218			1
+ 4.64	4.69	4.70	12600.52	2.172166			1
+ 4.79	4.80	4.85	7190.952	0.987516			2
4.79	4.83	4.85	6336.61	0.870191			2
4.94	4.96	5.00	3473.18	0.443536			3
+ 4.94	4.99	5.00	16820.24	2.147999			3
5.11	5.14	5.17	8960.017	2.287201			4
+ 5.11	5.15	5.17	3514.729	0.897196			4
+ 5.11	5.16	5.17	8242.146	2.103952			4
5.26	5.28	5.32	10064.66	0.966516			5
+ 5.26	5.32	5.32	29149.56	2.799252			5
+ 5.41	5.41	5.47	1632.322	0.261377			6
5.41	5.43	5.47	2281.457	0.365321			6
+ 5.41	5.46	5.47	1819.118	0.291288			6

Height Summation: 41112.141
 Amount Avg CF: 1.109331 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
4.19	4.21	4.23	1759.223	0.412812	4	161.91	2
+ 4.19	4.22	4.23	2347.271	0.5508			2
4.37	4.38	4.41	3363.208	0.199432			3
4.40	4.41	4.44	3916.566	0.350273			4
+ 4.40	4.43	4.44	1774.177	0.158671			4
+ 4.89	4.89	4.93	9575.362	2.098211			5
4.89	4.91	4.93	26290.08	5.760841			5

Height Summation: 35329.077
 Amount Avg CF: 1.68084 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: MDTXX1824D **MDTXXAA ID:** AA **Batchnumber:** 1827099999
Sample Amount: 1 **Total Volume:** 1 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Sep 28, 2018 22:32:25
 Instrument : CP35--24952A
 Result file : 35PEST18271001.037.RAW
 Calibration file : 35PEST1827101.CAL
 Method file : 35PESTDI.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
4.39	4.41	4.43	28253.99	11.037752	5	8.14	1
4.42	4.44	4.46	27992.28	11.814917			2
+ 4.42	4.46	4.46	11307.04	4.772449			2
+ 4.59	4.60	4.63	8133.959	3.524556			3
4.59	4.61	4.63	25131.79	10.889949			3
4.72	4.74	4.76	21766.11	12.930492			4
4.92	4.94	4.96	32258.1	10.628471			5

Height Summation: 135402.27
 Amount Avg CF: 11.460316 Linear:

Analysis Report (B)

Injected on : Sep 28, 2018 22:32:25
 Instrument : CP35--24952B
 Result file : 35PEST18271001B.037.RAW
 Calibration file : 35PEST1827101B.CAL
 Method file : 35PESTDIB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
4.73	4.75	4.77	25759.81	15.879953	5	8.82	1
+ 4.73	4.77	4.77	7377.415	4.547899			1
+ 4.89	4.89	4.93	9575.362	5.105955			2
4.89	4.91	4.93	26290.08	14.018893			2
5.02	5.04	5.06	26269.28	13.245194			3
5.23	5.25	5.27	16956.87	12.614232			4
5.30	5.32	5.34	29149.56	13.792506			5

Height Summation: 124425.6
 Amount Avg CF: 13.910156 Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0	0		23.13	4	40	
Aroclor-1221			0	0		4.05	3	5	
Aroclor-1248			0	0		2.87	4	30	
Aroclor-1254			0	0		5.58	4	40	
Aroclor-1260			0	0		17.81	4	40	
Chlordane			0.5	0.16		5.08	4	40	
Toxaphene			1	0.3		19.31	4	40	

Units: ug/l

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: MDTXX1824D AAMDTXXAA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
Injected On: 9/28/2018 10:32:25 PM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Date:File: 35pest18271001.037.RAW
Method File: 35PESTDI.MET
Calibration File: 35pest1827101.CAL

RT A	Compound A	Height A	Area A
.006		731	143
.034		803	309
.057		883	254
.083		656	147
.091		712	149
1.516		667	163
1.549		713	98
1.565		1096	306
1.571		1371	450
1.594		999	437
1.633		804	499
1.665		1454	1090
1.677		933	164
1.699		972	915
1.707		889	246
1.728		676	296
1.74		806	348
1.789		1057	1099
1.796		1201	344
1.814		731	177
1.84		806	139
1.873		1126	1299
1.93		982	175
1.949		1111	313
1.982		649	202
2.021		628	232
2.032		1035	231
2.087		704	247
2.118		1074	408
2.144		694	135
2.214		895	211
2.228		568	135
2.243	HCB	848	171
2.269		763	169
2.286		669	153
2.303	alpha-BHC	774	288
2.352		976	213
2.385		874	269
2.393		634	165
2.416		649	166
2.429		809	211
2.444		1149	472
2.462		898	360
2.48		690	375
2.494		1244	749
2.51		970	761
2.535		1076	223
2.576		1222	1252
2.614	gamma-BHC	958	508
2.627		1253	540
2.636		1319	419
2.653		1012	537
2.685		3418	3226
2.712		746	288

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
2.743		679	369
2.763		723	148
2.774		616	153
2.79		930	195
2.823	beta-BHC	1106	545
2.862		2722	3029
2.884		768	162
2.907		1355	670
2.919	Heptachlor	1401	610
2.937		628	128
2.96		932	452
2.97		512	180
2.989		718	189
3.028		961	746
3.065	delta-BHC	392	107
3.083		914	233
3.103		865	205
3.153		490	382
3.187		955	364
3.208	Aldrin	1176	787
3.237		3378	3258
3.267		2628	2073
3.3	Telodrin	1089	483
3.318		1108	449
3.335		1031	464
3.388		769	327
3.406		868	208
3.415		1168	448
3.439		2311	2115
3.455		2289	936
3.471		5111	3970
3.495		841	215
3.513		621	208
3.541		723	115
3.563		488	91
3.598		847	347
3.617		1975	1756
3.63		2478	1040
3.655	Hept. epoxide	4933	7903
3.697		2102	1697
3.74		609	815
3.748		920	451
3.769		612	148
3.8		5168	5045
3.853		8938	14352
3.924	Endosulfan I	3111	1798
3.945		2455	1176
3.964		4413	3676
4.011		6958	9770
4.052	4,4'-DDE	6739	9308
4.075		11647	11657
4.092		12381	10721
4.126	Dieldrin	12943	17435
4.16	o,p-DDD	3651	3084
4.176		2141	1305
4.199		12238	12478
4.229		10635	13097
4.261		5599	4434
4.283		8699	6264
4.293		8371	6138
4.311	Endrin	8705	5758
4.324		13386	10653
4.34	o,p-DDT	8813	4528
4.377		11346	10412
4.412	4,4'-DDD	28254	25779
4.443		27992	26266

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
4.462		11307	10534
4.494	Endosulfan II	32122	27110
4.52		13378	7618
4.541		6491	3520
4.554	4,4'-DDT	6561	4509
4.57		1717	421
4.599		8134	3981
4.611	Endrin aldehyde	25132	17959
4.656		25893	33032
4.67		13718	9016
4.693		17935	16155
4.718	Endo. sulfate	12301	14839
4.741		21766	18399
4.771		3246	1874
4.786		8492	6345
4.81		8624	8971
4.828		6117	4706
4.844		13420	8321
4.867		21149	21467
4.909		8629	8297
4.938	Methoxychlor	32258	25649
4.993		2557	1503
5.017		1137	390
5.046	Endrin ketone	7626	8718
5.078		7519	8246
5.116	Mirex	13520	13160
5.138		2998	2275
5.151		4407	3195
5.161		4021	4217
5.191		2930	1713
5.214		4919	4345
5.235		2659	1641
5.248		3206	2661
5.272		4851	4034
5.295		5723	7350
5.325		2794	1831
5.341		2608	2134
5.37		4842	3829
5.394		4384	3886
5.425		1475	646
5.443		1313	437
5.461		4126	4248
5.506		586	93
5.521		760	261
5.54		966	838
5.58	DCB	604	309
5.604		845	234
5.639		2909	3688
5.667		470	157
5.68		747	308
5.698		618	182
5.749		585	282
5.794		805	199
5.826		596	299
5.851		669	133
5.879		875	240
5.901		594	216
5.968		862	2016
5.975		852	244
5.983		645	192
6.016		723	245
6.035		685	114
6.044		789	186
6.052		965	618
6.074		892	358
6.11		844	309

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
6.12		718	175
6.157		469	298
6.193		976	305
6.201		977	259
6.21		732	198
6.235		795	515
6.266		644	190
6.304		848	262
6.319		503	76
6.335		707	253
6.344		469	121
6.378		616	175
6.414		299	224
6.43		650	126
6.444		735	158
6.476		565	233
6.546		888	151
6.587		706	112
6.615		314	83
6.63		680	100
6.651		612	118
6.693		417	85
6.71		790	332
6.737		455	173
6.753		806	371
6.778		545	167
6.788		1127	264
6.82		688	134
6.842		521	192
6.882		836	268
6.892		1009	242
6.901		546	104
6.91		544	153
6.919		812	350
6.93		875	231
7.001		675	260
7.028		438	121
7.05		739	399
7.068		430	150
7.097		543	128
7.119		1134	263
7.139		533	113
7.186		720	148
7.209		445	162
7.222		777	459
7.239		721	326
7.252		943	240
7.297		624	101
7.311		772	146

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: MDTXX1824D AAMDTXXAA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
 Injected On: 9/28/2018 10:32:25 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB CLP2 30m x 0.32mm x 0.25um
 Data File: 35pest18271001B.037.RAW
 Method File: 35PESTDIB.MET
 Calibration File: 35pest1827101b.CAL

RT B	Compound B	Height B	Area B
.034		663	464
.054		536	118
.064		741	161
1.519		565	126
1.543		1653	2152
1.603		2625	3641
1.626		1737	1274
1.659		660	294
1.691		609	246
1.732		10082	12608
1.77		501	217
1.807		564	149
1.833		550	218
1.849		810	339
1.898		490	214
1.923		537	244
1.942		771	313
1.949		831	281
1.965		530	114
1.982		742	120
2.002		715	119
2.061		725	336
2.073		651	293
2.095		511	183
2.147		657	138
2.201		1501	1340
2.231		595	320
2.273		898	617
2.292		544	239
2.311		428	255
2.352		518	171
2.364		579	145
2.422		492	176
2.433		490	147
2.465		445	361
2.486	TCX	415	124
2.556		600	325
2.606		560	227
2.626		648	151
2.652		475	98
2.684		555	102
2.762		367	289
2.859		2510	2091
2.885		453	103
2.944		473	175
3.037		580	122
3.051		612	405
3.088		481	121
3.164		834	164
3.217		399	195
3.235		418	122
3.3		638	162
3.343		599	304
3.384	beta-BHC	730	249

Chrom Perfect Chromatogram Report

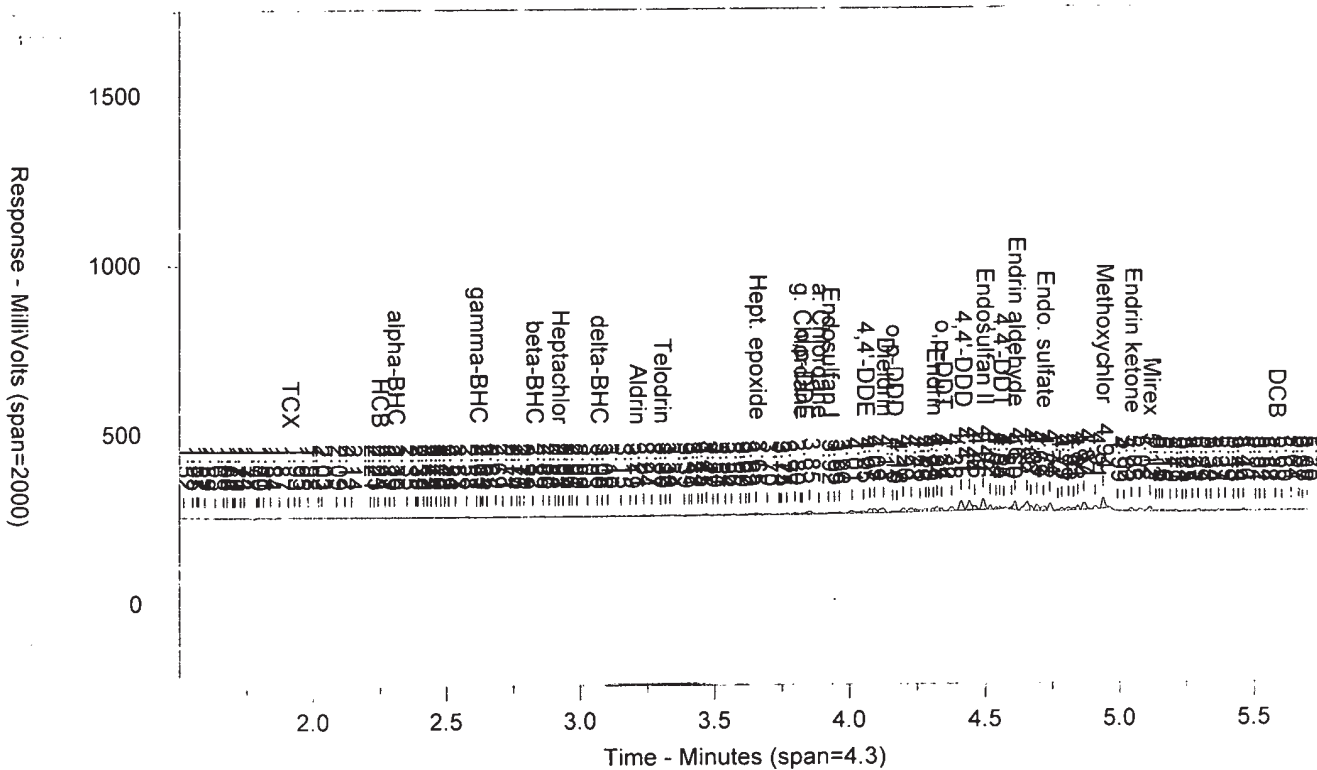
RT B	Compound B	Height B	Area B
3.453		455	102
3.497		556	151
3.578	delta-BHC	533	345
3.601		1035	332
3.634	Heptachlor	617	100
3.648		302	141
3.665		603	94
3.689		569	241
3.762		392	96
3.826		543	103
3.858		2283	1780
3.882	Aldrin	2556	2373
3.942		614	116
4.013		1137	1459
4.054		505	107
4.063		806	391
4.121		3697	4706
4.17	Hept. epoxide	2945	4121
4.212		1759	1235
4.222		2347	2118
4.272		1644	1550
4.296	o,p-DDE	4144	3496
4.328		5763	4998
4.354		2187	1765
4.376	g. Chlordane	3363	3798
4.409	a. Chlordane	3917	3947
4.432	Endosulfan I	1774	779
4.454		3585	4380
4.474		2458	1625
4.499	4,4'-DDE	5826	5870
4.531		5006	5143
4.562	o,p-DDD	9178	7751
4.577		10993	9662
4.59	Dieldrin	8957	4857
4.613		4251	2479
4.625		3542	2594
4.643		5687	3507
4.669		9996	8176
4.691		12601	11848
4.715		6530	3926
4.727	Endrin	8691	7943
4.748	o,p-DDT	25760	24166
4.766		7377	7282
4.795	4,4'-DDD	7191	6993
4.825		6337	5330
4.848		17393	15911
4.874	Endosulfan II	16582	19061
4.892		9575	5534
4.91		26290	26592
4.933	Endrin aldehyde	14146	14037
4.955	4,4'-DDT	3473	2275
4.994		16820	15023
5.01		5713	2816
5.038		26269	32876
5.078	Endo. sulfate	20891	22203
5.104		10047	6312
5.136		8960	5867
5.151		3515	1666
5.162		8242	5176
5.185	Methoxychlor	9013	6531
5.229		13170	16610
5.25		16957	20051
5.284	Endrin ketone	10065	10804
5.317		29150	26496
5.336		8680	5919
5.37		7862	7638

Chrom Perfect Chromatogram Report

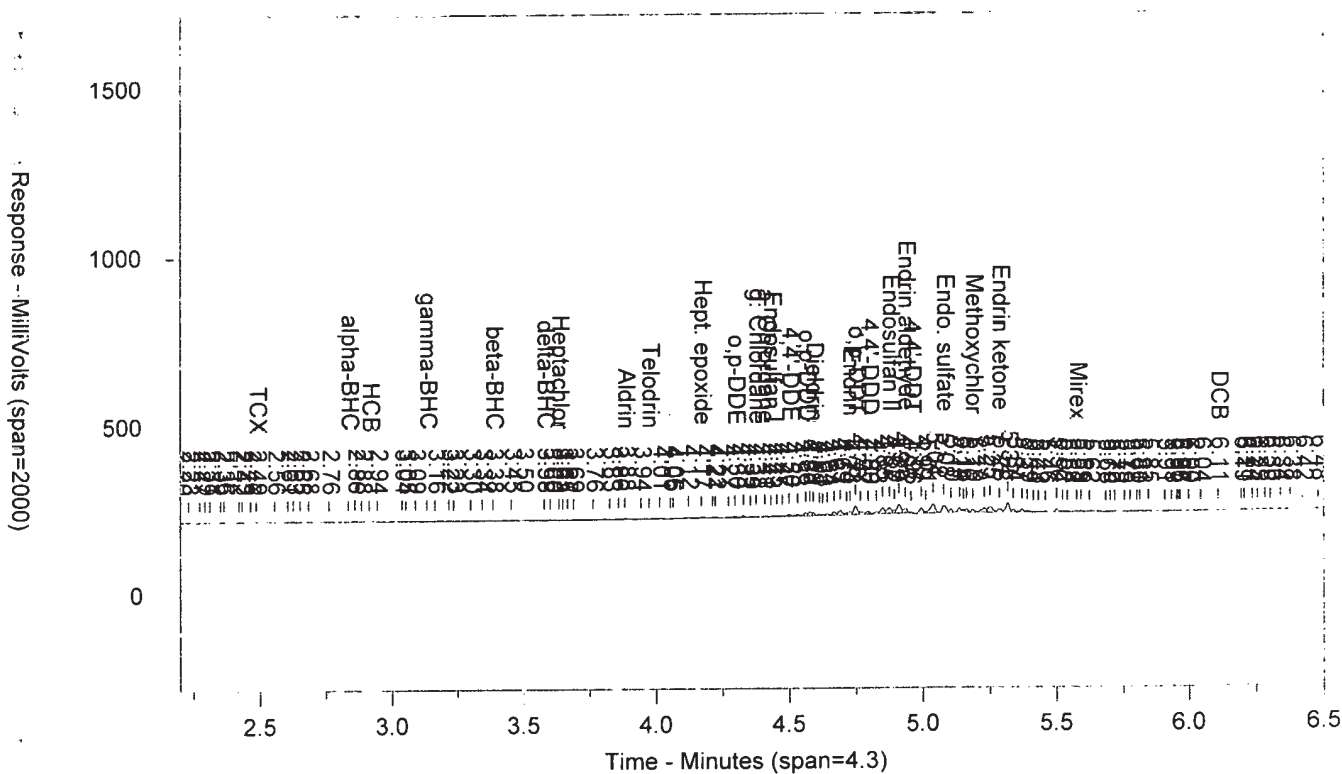
RT B	Compound B	Height B	Area B
5.389		4462	4392
5.412		1632	1095
5.431		2281	1794
5.458		1819	1258
5.501		7691	5762
5.523		2468	1425
5.54		1685	829
5.575	Mirex	2459	1137
5.591		2638	1634
5.623		1308	1163
5.683		1156	326
5.701		1398	600
5.718		1172	1149
5.754		712	147
5.775		1767	1688
5.802		872	465
5.813		2867	2489
5.847		2532	2742
5.909		444	227
5.934		443	105
5.955		425	68
5.962		542	97
5.967		649	179
5.998		516	148
6.043		342	116
6.108	DCB	564	246
6.195		653	215
6.205		688	306
6.235		412	143
6.255		458	191
6.283		702	240
6.302		744	196
6.34		573	154
6.377		329	293
6.422		235	69
6.479		629	321
6.503		614	105
6.528		878	557
6.563		577	220
6.652		833	1167
6.695		659	216
6.751		750	149
6.806		441	153
6.838		579	368
6.86		618	136
6.878		471	105
6.895		1577	1058
6.976		728	1445
6.988		604	245
7.033		477	149
7.053		632	144
7.098		622	1208
7.143		655	183
7.162		462	152
7.181		421	197
7.196		453	96
7.222		593	206
7.241		748	153
7.279		527	263
7.294		574	248

MDTXX1824D AAMDTXXAA ICAL 1827099999 00177 SW-846 8081

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001.037.RAW



\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271001B.037.RAW



Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: MDTXX1824D AAMDTXXAA ICAL 182709999 00177 SW-846 8081A
 Injected On: 9/28/2018 10:32:25 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.243	848	.005	HCB		0		HCB
2.303	774	.004	alpha-BHC		0		alpha-BHC
	0		TCX	2.486	415	.003	TCX
2.614	958	.005	gamma-BHC		0		gamma-BHC
2.823	1106	.012	beta-BHC	3.384	730	-.418	beta-BHC
2.919	1401	.008	Heptachlor	3.634	617	.004	Heptachlor
3.065	392	.002	delta-BHC	3.578	533	.003	delta-BHC
3.208	1176	.006	Aldrin	3.882	2556	.015	Aldrin
3.3	1089	.008	Telodrin		0		Telodrin
3.655	4933	.026	Hept. epoxide	4.17	2945	-.397	Hept. epoxide
3.924	3111	.016	Endosulfan I	4.432	1774	-.402	Endosulfan I
4.052	6739	.034	4,4'-DDE	4.499	5826	.038	4,4'-DDE
4.126	12943	.063	Dieldrin	4.59	8957	-.995	Dieldrin
4.16	3651	.031	o,p-DDD	4.562	9178	.104	o,p-DDD
	0		o,p-DDE	4.296	4144	.042	o,p-DDE
4.311	8705	.047	Endrin	4.727	8691	.067	Endrin
4.34	8813	.07	o,p-DDT	4.748	25760	.266	o,p-DDT
	0		g. Chlordane	4.376	3363	.021	g. Chlordane
	0		a. Chlordane	4.409	3917	-.497	a. Chlordane
4.412	28254	.173	4,4'-DDD	4.795	7191	.058	4,4'-DDD
4.494	32122	.174	Endosulfan II	4.874	16582	.124	Endosulfan II
4.554	6561	.043	4,4'-DDT	4.955	3473	.03	4,4'-DDT
4.611	25132	.167	Endrin aldehyde	4.933	14146	.128	Endrin aldehyde
4.718	12301	.074	Endo. sulfate	5.078	20891	.166	Endo. sulfate
4.938	32258	.452	Methoxychlor	5.185	9013	.167	Methoxychlor
5.046	7626	.04	Endrin ketone	5.284	10065	-.613	Endrin ketone
5.116	13520	.104	Mirex	5.575	2459	.033	Mirex
5.58	604	-1.199	DCB	6.108	564	-2.393	DCB

Files:
 Area File: 35pest18271001.037.RAW
 Area File: 35pest18271001B.037.RAW
 Method A: 35PESTD1.MET
 Method B: 35PESTD1B.MET
 Calibration File A: 35pest1827101.CAL
 Calibration File B: 35pest1827101b.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
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 File Reported On: 10/3/2018 at 7:10:53 PM

Chrom Perfect Chromatogram Report

MDTXX1824D

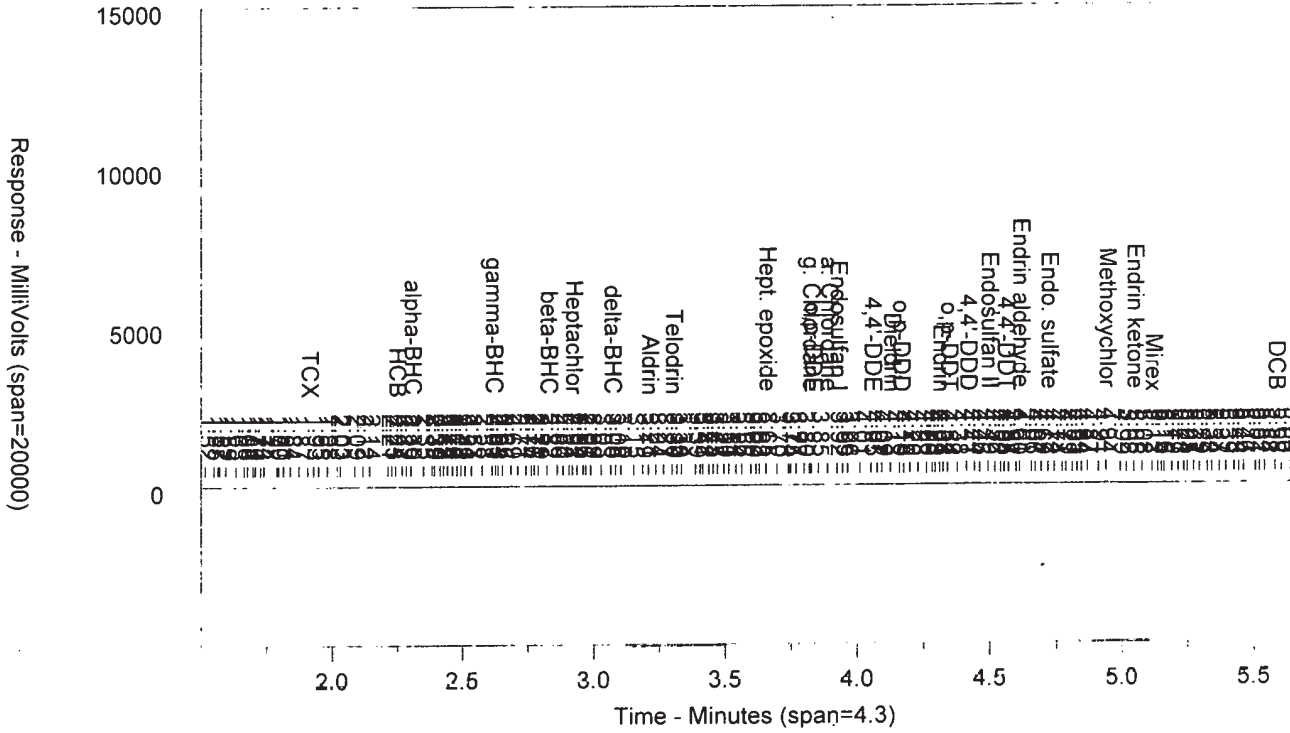
AAMDTXXAA

ICAL 1827099999

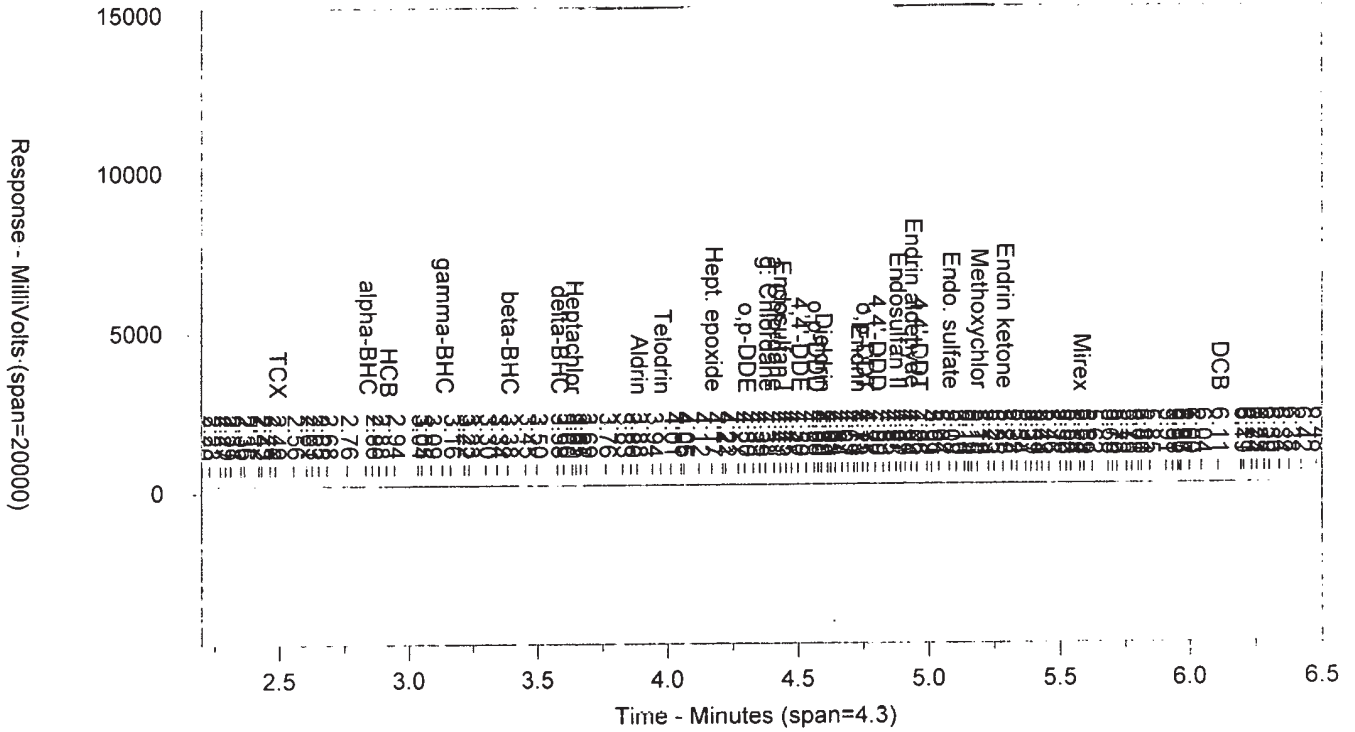
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SW-846 8081,

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Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: MDCHX1824D **MDCHXAA ID:** AA **Batchnumber:** 1827099999
Sample Amount: 1 **Total Volume:** 1 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Sep 28, 2018 22:42:46
 Instrument : CP35--24952A
 Result file : 35PEST18271001.038.RAW
 Calibration file : 35PEST1827101.CAL
 Method file : 35PESTDI.MET

Analysis Report (B)

Injected on : Sep 28, 2018 22:42:46
 Instrument : CP35--24952B
 Result file : 35PEST18271001B.038.RAW
 Calibration file : 35PEST1827101B.CAL
 Method file : 35PESTDIB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
2.22	2.24	2.28	667.0078	0.254148	6	163.78	1
+ 2.22	2.26	2.28	1968.931	0.750215			1
+ 2.51	2.52	2.57	1040.73	0.264215			2
2.51	2.53	2.57	873.5841	0.221781			2
+ 2.51	2.56	2.57	1480.229	0.375792			2
2.71	2.72	2.77	1013.019	0.437634			3
+ 2.71	2.76	2.77	33307.63	14.389206			3
2.90	2.92	2.96	45539.07	6.46139			4
+ 2.90	2.95	2.96	3312.418	0.469988			4
2.98	3.01	3.04	5605.5	1.368973			5
+ 3.10	3.12	3.16	3896.931	1.331228			6
3.10	3.14	3.16	850.5938	0.290571			6
<u>Height Summation:</u>			54548.7747				
Amount Avg CF:			1.505749	Linear:			

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1221							
2.09	2.12	2.13	1243.638	0.781138	3	61.91	1
2.17	2.18	2.21	481.6081	0.440327			2
+ 2.17	2.21	2.21	3308.969	3.025343			2
2.23	2.24	2.27	667.0078	0.198032			3
+ 2.23	2.26	2.27	1968.931	0.584567			3
<u>Height Summation:</u>			2392.2639				
Amount Avg CF:			0.473166	Linear:			

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248							
+ 3.15	3.17	3.21	566.8819	0.151495	6	135.68	1
3.15	3.19	3.21	1575.382	0.421008			1
+ 3.15	3.21	3.21	1013.947	0.270969			1
+ 3.38	3.39	3.44	4302.408	0.864054			2
* 3.38	3.41	3.44	1826.241	0.366765			2
+* 3.41	3.41	3.47	1826.241	1.076822			3
+* 3.38	3.43	3.44	11575.19	2.32465			2
* 3.41	3.43	3.47	11575.19	6.825175			3
+ 3.41	3.47	3.47	3892.889	2.295396			3
+ 3.66	3.67	3.72	29409.81	5.27827			4
3.66	3.69	3.72	8247.891	1.480275			4
+* 3.66	3.71	3.72	22660.68	4.066983			4
+* 3.69	3.71	3.75	22660.68	3.723842			5
3.69	3.73	3.75	8232.386	1.352833			5
+ 4.10	4.11	4.16	9382.747	2.731278			6
4.10	4.13	4.16	1953.477	0.568649			6
<u>Height Summation:</u>			33410.567				
Amount Avg CF:			1.835784	Linear:			

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
3.07	3.08	3.13	471.5001	0.163826	5	125.79	2
3.25	3.26	3.31	317.5	0.147708			3
+ 3.55	3.55	3.61	787.7549	0.129695			4
* 3.55	3.58	3.61	898.6201	0.147948			4
+* 3.57	3.58	3.63	898.6201	0.243782			5
* 3.57	3.59	3.63	1289.168	0.349731			5
+* 3.55	3.59	3.61	1289.168	0.212247			4
+ 3.66	3.67	3.72	2933.492	1.007239			6
3.66	3.69	3.72	4282.832	1.470546			6
<u>Height Summation:</u>			7259.6202				
Amount Avg CF:			0.455952	Linear:			
Aroclor-1221							
2.62	2.63	2.66	450.8237	0.503787	2	29.94	1
+ 2.62	2.64	2.66	495.3177	0.553508			1
+ 2.68	2.69	2.72	314.3922	0.336796			2
2.68	2.70	2.72	722.8618	0.774373			2
+ 2.68	2.71	2.72	563.9375	0.604124			2
<u>Height Summation:</u>			1173.6855				
Amount Avg CF:			0.63908	Linear:			
Aroclor-1248							
+* 3.78	3.79	3.84	440.8466	0.13914	6	103.42	2
* 3.74	3.79	3.80	449.8456	0.13059			1
3.78	3.82	3.84	557.0294	0.172293			2
+ 3.88	3.89	3.94	33481.14	8.271288			3
3.88	3.92	3.94	2798.975	0.691468			3
+ 4.18	4.19	4.24	4508.044	0.912281			4
4.18	4.21	4.24	32350.49	6.546681			4
+ 4.18	4.24	4.24	17866.91	3.615678			4
+ 4.30	4.32	4.36	2137.524	0.574396			5
4.30	4.34	4.36	14183.61	3.811425			5
+ 4.54	4.54	4.60	588.3973	0.226163			6
4.54	4.57	4.60	9853.251	3.787301			6
<u>Height Summation:</u>			60193.201				
Amount Avg CF:			2.523293	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: MDCHX1824D **MDCHXAA ID:** AA **Batchnumber:** 1827099999
Sample Amount: 1 **Total Volume:** 1 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Sep 28, 2018 22:42:46
 Instrument : CP35--24952A
 Result file : 35PEST18271001.038.RAW
 Calibration file : 35PEST1827101.CAL
 Method file : 35PESTDI.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
6 147.56							
+ 3.69	3.69	3.75	8247.891	1.349884			1
	3.69	3.71	22660.68	3.708742			1
+ 3.69	3.73	3.75	8232.386	1.347347			1
+ 3.79	3.80	3.85	9209.715	1.258382			2
	3.79	3.82	113552.6	15.515414			2
+ 3.79	3.84	3.85	94215.84	12.87331			2
+ 4.03	4.05	4.09	2451.717	0.4159			3
	4.03	4.07	11172.98	1.895343			3
+ 4.23	4.24	4.30	1629.938	0.216689			4
	4.23	4.25	3735.594	0.496621			4
+ 4.23	4.29	4.30	3065.043	0.407476			4
	4.45	4.47	6121.304	1.22461			5
+ 4.45	4.50	4.51	44589.7	8.920481			5
+ 4.52	4.54	4.58	3193.72	0.404658			6
	4.52	4.56	5662.364	0.717446			6
+ 4.52	4.57	4.58	1505.108	0.190704			6

Height Summation: 162905.522
 Amount Avg CF: 3.926363 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
6 70.32							
4.20	4.24	4.26	1629.938	0.196479			1
+ 4.20	4.25	4.26	3735.594	0.450304			1
	4.31	4.33	4613.908	0.466253			2
+ 4.31	4.35	4.37	31537.07	3.186942			2
+ 4.52	4.54	4.58	3193.72	0.327662			3
	4.52	4.56	5662.364	0.580935			3
+ 4.52	4.57	4.58	1505.108	0.154418			3
+ 4.71	4.72	4.77	3887.665	0.556425			4
	4.71	4.74	1687.565	0.241534			4
+ 4.83	4.84	4.89	1046.414	0.066872			5
+ 4.83	4.85	4.89	877.4504	0.056074			5
	4.83	4.86	455.6323	0.029118			5
+ 4.83	4.88	4.89	888.2366	0.056763			5
+ 5.03	5.04	5.09	745.5311	0.06303			6
	5.03	5.05	2395.844	0.202553			6
+ 5.03	5.08	5.09	7221.433	0.610524			6

Height Summation: 16445.2513
 Amount Avg CF: 0.286145 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
5 1.45							
2.74	2.76	2.78	33307.63	6.708721			1
	3.65	3.67	29409.81	6.733642			2
+ 3.80	3.80	3.84	9209.715	0.526903			3
	3.80	3.82	113552.6	6.49653			3
	3.87	3.89	93797.59	6.607402			4
	4.47	4.50	44589.7	6.690075			5

Height Summation: 314657.33
 Amount Avg CF: 6.647274 Linear:

Analysis Report (B)

Injected on : Sep 28, 2018 22:42:46
 Instrument : CP35--24952B
 Result file : 35PEST18271001B.038.RAW
 Calibration file : 35PEST1827101B.CAL
 Method file : 35PESTDIB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
6 62.26							
4.17	4.19	4.23	4508.044	0.921025			1
+ 4.17	4.21	4.23	32350.49	6.60943			1
+ 4.31	4.32	4.37	2137.524	0.329578			2
	4.31	4.34	14183.61	2.186927			2
+ 4.54	4.54	4.60	588.3973	0.071885			3
	4.54	4.57	9853.251	1.203782			3
+ 4.71	4.73	4.77	4605.934	0.728897			4
	4.71	4.76	5454.167	0.863131			4
+ 4.86	4.86	4.92	5565.962	1.384467			5
	4.86	4.89	4671.319	1.161935			5
+ 4.86	4.91	4.92	33491.99	8.330736			5
+ 4.94	4.95	5.00	3295.985	0.563926			6
	4.94	4.97	693.9706	0.118735			6

Height Summation: 39364.3616
 Amount Avg CF: 1.075922 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
6 176.11							
+ 4.64	4.66	4.70	764.5957	0.131806			1
	4.64	4.67	760.9423	0.131177			1
	4.79	4.81	24299.13	3.33694			2
+ 4.79	4.84	4.85	7769.842	1.067013			2
+ 4.94	4.95	5.00	3295.985	0.420908			3
	4.94	4.97	693.9706	0.088622			3
	5.11	5.13	1505.295	0.384253			4
+ 5.11	5.16	5.17	558.4965	0.142566			4
+ 5.26	5.28	5.32	634.6023	0.060941			5
	5.26	5.29	866.7488	0.083234			5
+ 5.26	5.31	5.32	542.413	0.052088			5
	5.41	5.43	2194.156	0.351342			6
+ 5.41	5.46	5.47	721.6796	0.11556			6

Height Summation: 30320.2427
 Amount Avg CF: 0.729281 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
5 4.22							
3.45	3.47	3.49	30635.9	6.8728			1
	4.19	4.21	32350.49	7.591227			2
	4.37	4.39	116628.9	6.915889			3
	4.40	4.42	79243.34	7.087025			4
+ 4.89	4.89	4.93	4671.319	1.023608			5
	4.89	4.91	33491.99	7.338967			5

Height Summation: 292350.62
 Amount Avg CF: 7.161182 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: MDCHX1824D **MDCHXAA ID:** AA **Batchnumber:** 1827099999
Sample Amount: 1 **Total Volume:** 1 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 00177

Analysis Report (A)

Injected on : Sep 28, 2018 22:42:46
 Instrument : CP35--24952A
 Result file : 35PEST18271001.038.RAW
 Calibration file : 35PEST1827101.CAL
 Method file : 35PESTDI.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
4.39	4.41	4.43	850.8697	0.332402	5	133.71	1
4.42	4.45	4.46	7943.077	3.352596			2
+ 4.59	4.59	4.63	1169.132	0.506601			3
4.59	4.62	4.63	515.3281	0.223299			3
4.72	4.74	4.76	1687.565	1.002524			4
+ 4.92	4.93	4.96	511.7133	0.1686			5
4.92	4.94	4.96	441.1438	0.145349			5

Height Summation: 11437.9836
 Amount Avg CF: 1.011234 Linear:

Analysis Report (B)

Injected on : Sep 28, 2018 22:42:46
 Instrument : CP35--24952B
 Result file : 35PEST18271001B.038.RAW
 Calibration file : 35PEST1827101B.CAL
 Method file : 35PESTDIB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
4.73	4.76	4.77	5454.167	3.362289	5	169.68	1
+ 4.89	4.89	4.93	4671.319	2.490929			2
4.89	4.91	4.93	33491.99	17.859232			2
5.02	5.03	5.06	443.8235	0.22378			3
+ 5.02	5.05	5.06	528.7835	0.266617			3
5.23	5.25	5.27	907.6204	0.67518			4
5.30	5.31	5.34	542.413	0.25665			5
+ 5.30	5.33	5.34	579.2411	0.274076			5

Height Summation: 40840.0139
 Amount Avg CF: 4.475426 Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0	0		** 107.03	4	40	
Aroclor-1221			0	0		29.83	3	5	
Aroclor-1248			0	0		31.54	4	30	
Aroclor-1254			0	0		** 113.97	4	40	
Aroclor-1260			0	0		** 87.28	4	40	
Chlordane			0.5	0.16		7.44	4	40	
Toxaphene			1	0.3		** 126.28	4	40	

Units: ug/l

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: MDCHX1824D AAMDCHXAA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
 Injected On: 9/28/2018 10:42:46 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB CLP2 30m x 0.32mm x 0.25um
 Date File: 35pest18271001.038.RAW
 Method File: 35PESTDI.MET
 Calibration File: 35pest1827101.CAL

RT A	Compound A	Height A	Area A
.015		452	108
.035		1529	634
.048		998	382
.059		1090	703
1.53		625	113
1.55		2243	1974
1.597		1160	282
1.606		1088	469
1.631		1022	981
1.662		842	469
1.67		1221	437
1.688		715	154
1.708		662	259
1.726		703	138
1.752		1043	259
1.759		1573	1235
1.788		1872	1199
1.808		783	265
1.832		435	80
1.871		2117	2000
1.887		851	184
1.897	TCX	851	212
1.941		20147	20194
2.016		860	318
2.029		665	186
2.051		1190	383
2.087		926	188
2.125		1244	534
2.142		574	160
2.158		1219	350
2.177		482	152
2.21		3309	2849
2.243		667	100
2.264	HCB	1969	1667
2.305		823	540
2.323	alpha-BHC	591	106
2.345		688	142
2.352		701	197
2.368		656	218
2.38		681	163
2.401		885	217
2.438		958	589
2.465		751	248
2.481		690	152
2.521		1041	439
2.528		874	315
2.556		1480	1234
2.582		541	209
2.61	gamma-BHC	761	145
2.626		890	175
2.643		2889	2717
2.663		710	188
2.686		989	419
2.718		1013	649

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
2.764		33308	32240
2.802	beta-BHC	4329	4682
2.828		473	98
2.858		3817	4482
2.882		880	362
2.922	Heptachlor	45539	46773
2.955		3312	2991
2.976		1267	386
3.014		5606	4793
3.043		2263	2042
3.091	delta-BHC	1005	401
3.116		3897	4567
3.144		851	126
3.166		567	109
3.193		1575	1006
3.211	Aldrin	1014	194
3.225		3511	2534
3.254		2322	1488
3.297	Telodrin	541	164
3.333		24781	36722
3.389		4302	3766
3.413		1826	567
3.433		11575	12689
3.467		3893	3387
3.488		4529	4048
3.513		5676	6216
3.554		1270	867
3.582		947	139
3.61		7603	6877
3.637	Hept. epoxide	1977	1108
3.671		29410	31956
3.689		8248	3004
3.707		22661	21004
3.732		8232	7004
3.752		14432	14604
3.799		9210	8979
3.821	g. Chlordane	113553	97879
3.839	o,p-DDE	94216	77167
3.864		49663	41730
3.89	a. Chlordane	93798	78312
3.929	Endosulfan I	9541	8954
3.956		525	231
3.975		4312	4085
4.028	4,4'-DDE	3666	4220
4.049		2452	1468
4.071		11173	10960
4.111	Dieldrin	9383	7730
4.131		1953	827
4.162	o,p-DDD	5626	4078
4.194		905	382
4.238		1630	752
4.253		3736	2840
4.289		3065	1882
4.299		7367	6963
4.33	Endrin	4614	2736
4.349	o,p-DDT	31537	27802
4.379		5336	4430
4.406	4,4'-DDD	851	359
4.446		7943	6518
4.466	Endosulfan II	6121	5735
4.497		44590	34910
4.536		3194	2707
4.555	4,4'-DDT	5662	4670
4.572		1505	846
4.595		1169	343
4.616	Endrin aldehyde	515	321

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
4.635		676	406
4.65		987	280
4.663		1055	348
4.684		8812	7455
4.716	Endo. sulfate	3888	4004
4.745		1688	1048
4.806		570	94
4.812		752	143
4.84		1046	411
4.85		877	144
4.857		456	138
4.882		888	590
4.907		1247	257
4.927	Methoxychlor	512	154
4.941		441	235
4.982		1362	1150
4.992		1048	371
5.036	Endrin ketone	746	250
5.052		2396	1811
5.079		7221	9301
5.103		3592	1289
5.109	Mirex	4208	2121
5.125		4070	2661
5.143		4331	2647
5.156		5160	1416
5.171		5263	6396
5.202		5984	7021
5.226		3519	2305
5.238		3878	2672
5.256		3300	1481
5.273		3424	1401
5.279		3279	1766
5.301		3625	5345
5.331		1834	901
5.343		1916	948
5.356		1999	986
5.379		1230	653
5.389		737	191
5.418		991	324
5.434		993	609
5.44		1144	528
5.46		1653	1447
5.503		458	280
5.514		652	127
5.521		503	144
5.529		507	133
5.556		634	127
5.578		142	302
5.59	DCB	568	195
5.599		583	144
5.642		2093	1961
5.671		800	294
5.68		758	153
5.693		625	147
5.702		631	132
5.719		607	155
5.731		591	213
5.755		563	204
5.775		753	191
5.807		765	244
5.818		704	228
5.836		473	254
5.865		858	186
5.903		819	395
5.925		778	148
5.985		180	3729

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
6.027		799	821
6.036		950	601
6.088		888	141
6.119		759	379
6.141		558	224
6.159		918	344
6.169		799	313
6.196		760	473
6.215		1668	1365
6.246		707	139
6.265		531	219
6.278		778	131
6.308		669	225
6.336		579	296
6.342		506	295
6.371		384	128
6.381		583	114
6.411		591	117
6.432		920	655
6.484		670	202
6.508		880	363
6.538		499	209
6.58		570	136
6.593		260	90
6.6		627	133
6.616		508	203
6.635		519	197
6.664		665	230
6.68		585	131
6.718		554	238
6.733		727	203
6.751		529	144
6.786		1038	312
6.811		635	193
6.831		745	336
6.86		940	419
6.892		453	131
6.92		924	234
6.948		558	356
7.001		898	367
7.04		855	478
7.055		702	287
7.081		572	187
7.117		459	80
7.157		899	185
7.194		972	445
7.212		657	297
7.23		648	256
7.238		670	186
7.252		720	136
7.276		705	266
7.294		917	171
7.323		663	490

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: MDCHX1824D AAMDCHXAA ICAL 1827099999 00177 Analyst: 2306 SW-846 8081A
 Injected On: 9/28/2018 10:42:46 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB CLP2 30m x 0.32mm x 0.25um
 Data File: 35pest18271001B.038.RAW
 Method File: 35PESTDIB.MET
 Calibration File: 35pest1827101b.CAL

RT B	Compound B	Height B	Area B
.018		473	183
.077		571	298
1.527		2256	2615
1.584		1881	1280
1.602		1968	2269
1.617		1733	1753
1.636		1578	1065
1.66		843	671
1.727		12231	13754
1.821		1817	1623
1.883		332	86
1.928		773	286
1.955		1839	1753
2.028		1572	1652
2.062		869	805
2.098		798	794
2.126		448	198
2.199		1164	934
2.22		499	136
2.232		783	968
2.284		902	1296
2.315		498	91
2.403		324	205
2.418		399	123
2.426		424	94
2.438		745	254
2.451		503	194
2.49	TCX	16064	16473
2.633		451	218
2.641		495	110
2.687		314	87
2.696		723	288
2.712		564	177
2.736		542	155
2.819	alpha-BHC	428	85
2.858		4130	3716
2.887		1295	882
2.923	HCB	780	169
2.943		412	109
2.979		600	179
2.999		582	105
3.024		562	189
3.042		592	127
3.08		472	217
3.154		411	198
3.178		466	218
3.194		408	217
3.207		784	460
3.23		976	469
3.263		318	84
3.325		670	226
3.344		1743	1242
3.384	beta-BHC	581	213
3.474		30636	30614

Chrom Perfect Chromatogram Report

RT B	Compound B	Height B	Area B
3.501		1991	1416
3.549		788	136
3.584	delta-BHC	899	496
3.594		1289	797
3.643	Heptachlor	43836	41067
3.674		2933	2102
3.691		4283	4586
3.729		868	277
3.785		450	226
3.816		557	168
3.855		3957	3510
3.895	Aldrin	33481	27055
3.924		2799	2340
3.956	Telodrin	3928	3601
3.991		1943	1456
4.025		3163	3587
4.043		2623	2220
4.064		2085	1061
4.081		7054	4902
4.095		12199	12681
4.127		706	344
4.16		851	358
4.188	Hept. epoxide	4508	4126
4.209		32350	31011
4.244		17867	19044
4.291	o,p-DDE	2550	2093
4.319		2138	1752
4.344		14184	11899
4.387	g. Chlordane	116629	99548
4.417	a. Chlordane	79243	63354
4.444	Endosulfan I	78834	60311
4.483	4,4'-DDE	1945	1294
4.54		588	189
4.571	o,p-DDD	9853	8956
4.614		7488	6345
4.658		765	426
4.673		761	285
4.703		3524	2707
4.726	Endrin	4606	5496
4.756		5454	6641
4.784	4,4'-DDD	1329	1165
4.812		24299	18458
4.841		7770	5989
4.863	Endosulfan II	5566	6044
4.893		4671	4272
4.913	Endrin aldehyde	33492	24559
4.952	4,4'-DDT	3296	2438
4.969		694	130
5.011		536	244
5.028		444	115
5.053		529	131
5.078	Endo. sulfate	1432	1171
5.103		7044	6326
5.129		1505	1167
5.158		558	221
5.179	Methoxychlor	966	583
5.207		815	573
5.223		666	172
5.25		908	1023
5.277		635	173
5.288	Endrin ketone	867	342
5.313		542	160
5.335		579	109
5.357		2047	2313
5.399		1089	619
5.427		2194	1660

Chrom Perfect Chromatogram Report

RT: B	Compound B	Height B	Area B
5.457		722	596
5.477		1792	1118
5.491		1879	1401
5.516		451	125
5.552		829	792
5.566	Mirex	637	455
5.599		915	236
5.617		669	305
5.695		2442	1952
5.727		1910	3882
5.751		695	193
5.785		576	106
5.842		315	179
5.868		553	224
5.887		651	408
5.925		830	660
5.945		540	126
5.981		414	101
5.999		763	324
6.033		649	241
6.067		731	426
6.117	DCB	909	504
6.152		532	84
6.175		682	236
6.219		621	184
6.273		392	183
6.293		515	138
6.315		706	466
6.333		695	184
6.377		520	149
6.387		586	114
6.404		469	111
6.414		444	228
6.428		890	435
6.441		408	127
6.511		438	211
6.537		437	143
6.577		636	98
6.597		605	101
6.64		707	432
6.685		467	118
6.698		540	261
6.73		600	339
6.765		390	96
6.781		404	146
6.807		528	138
6.904		609	178
6.97		986	843
7.027		753	159
7.065		561	221
7.08		454	103
7.09		417	122
7.109		819	457
7.115		641	128
7.122		631	168
7.156		691	379
7.179		527	137
7.221		643	302
7.252		489	108
7.266		592	390
7.283		710	120
7.289		556	118
7.301		991	466

Chrom Perfect Chromatogram Report

MDCHX1824D

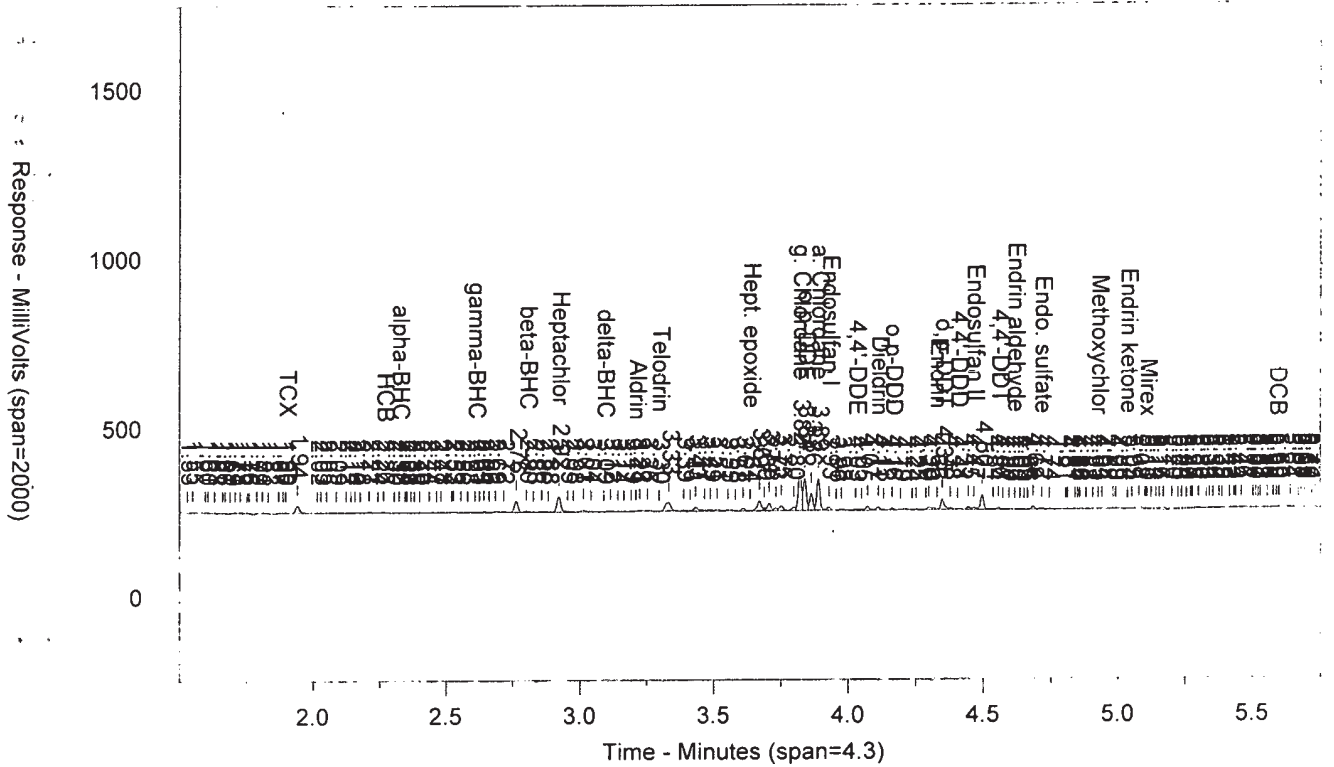
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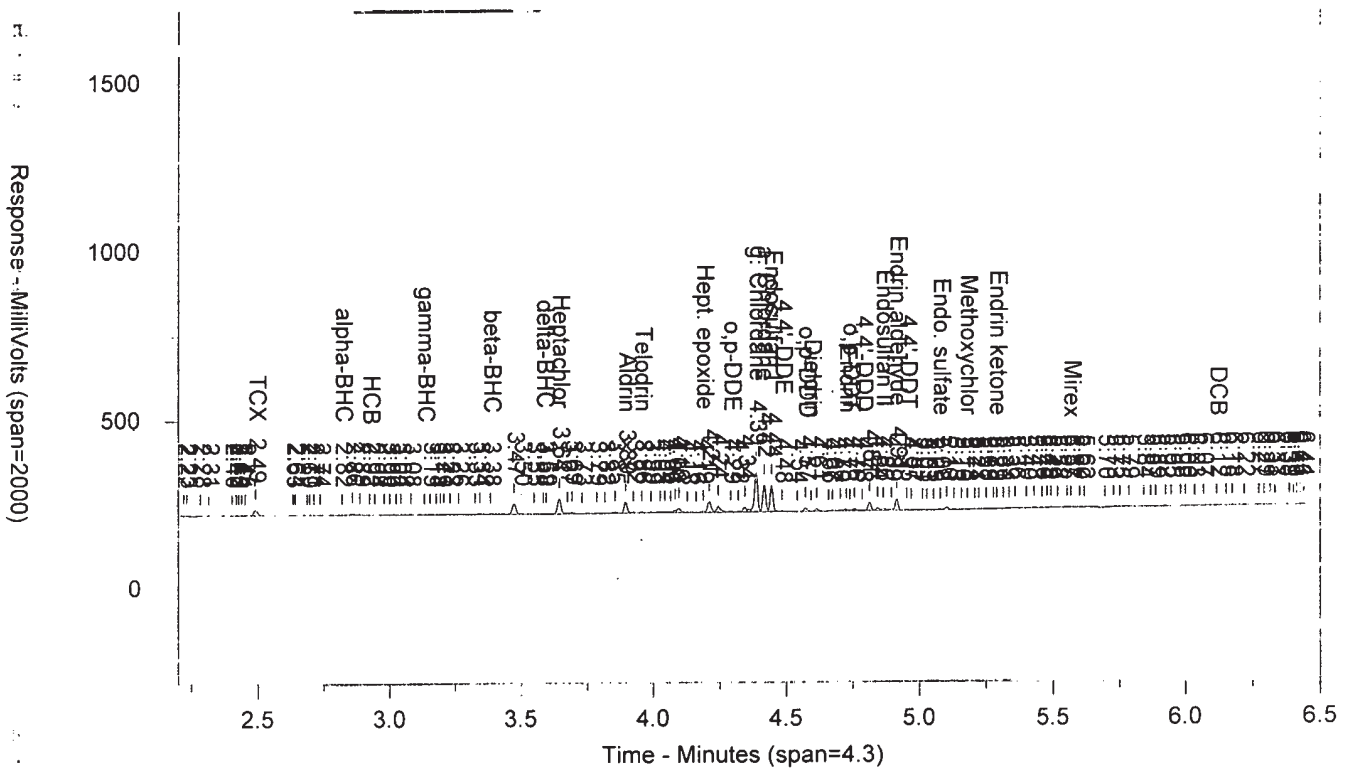
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SW-846 8081

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: MDCHX1824D AAMDCHXAA ICAL 1827099999 00177 SW-846 8081A
 Injected On: 9/28/2018 10:42:46 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.897	851	.007	TCX	2.49	16064	.13	TCX
2.264	1969	.012	HCB	2.923	780	.006	HCB
2.323	591	.003	alpha-BHC	2.819	428	.002	alpha-BHC
2.61	761	.004	gamma-BHC		0		gamma-BHC
2.802	4329	.046	beta-BHC	3.384	581	-.42	beta-BHC
2.922	45539	.258	Heptachlor	3.643	43836	.275	Heptachlor
3.091	1005	.005	delta-BHC	3.584	899	.005	delta-BHC
3.211	1014	.005	Aldrin	3.895	33481	.198	Aldrin
3.297	541	.004	Telodrin	3.956	3928	.035	Telodrin
3.637	1977	.01	Hept. epoxide	4.188	4508	-.385	Hept. epoxide
3.821	113553	.563	g. Chlordane	4.387	116629	.738	g. Chlordane
3.839	94216	.721	o,p-DDE	4.291	2550	.026	o,p-DDE
3.89	93798	.469	a. Chlordane	4.417	79243	.09	a. Chlordane
3.929	9541	.05	Endosulfan I	4.444	78834	.188	Endosulfan I
4.028	3666	.019	4,4'-DDE	4.483	1945	.013	4,4'-DDE
4.111	9383	.040	Dieldrin		0		Dieldrin
4.162	5626	.048	o,p-DDD	4.671	0863	.112	o,p DDD
4.33	4614	.025	Endrin	4.726	4606	.035	Endrin
4.349	31537	.25	o,p-DDT		0		o,p-DDT
4.406	851	.005	4,4'-DDD	4.784	1329	.011	4,4'-DDD
4.466	6121	.033	Endosulfan II	4.863	5566	.042	Endosulfan II
4.555	5662	.037	4,4'-DDT	4.952	3296	.028	4,4'-DDT
4.616	515	.003	Endrin aldehyde	4.913	33492	.303	Endrin aldehyde
4.716	3888	.023	Endo. sulfate	5.078	1432	.011	Endo. sulfate
4.927	512	.007	Methoxychlor	5.179	966	.018	Methoxychlor
5.036	746	.004	Endrin ketone	5.288	867	-.69	Endrin ketone
5.109	4208	.032	Mirex	5.566	637	.009	Mirex
5.59	568	-1.199	DCB	6.117	909	-2.386	DCB

Files:

Area File: 35pest18271001.038.RAW
 Area File: 35pest18271001B.038.RAW
 Method A: 35PESTD1.MET
 Method B: 35PESTD1B.MET
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 Calibration File B: 35pest1827101b.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
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MDCHX1824D

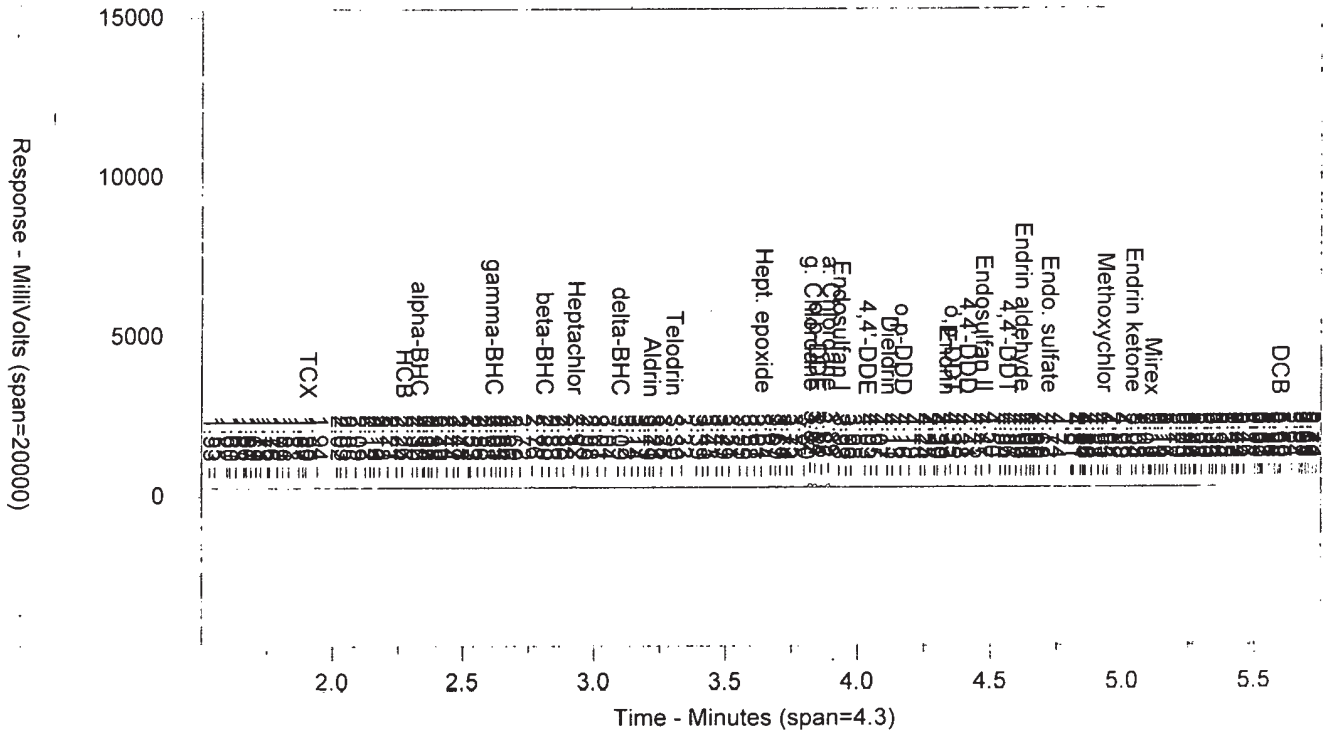
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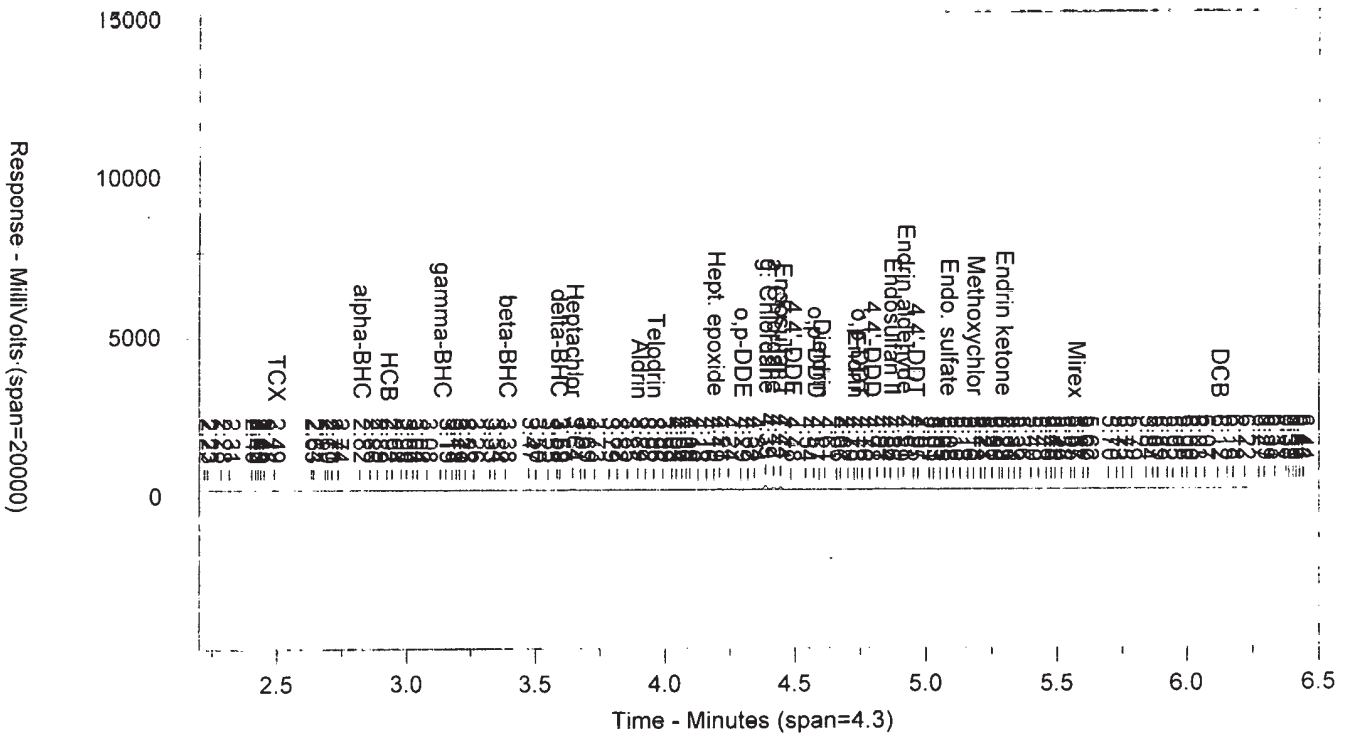
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SW-846 8081

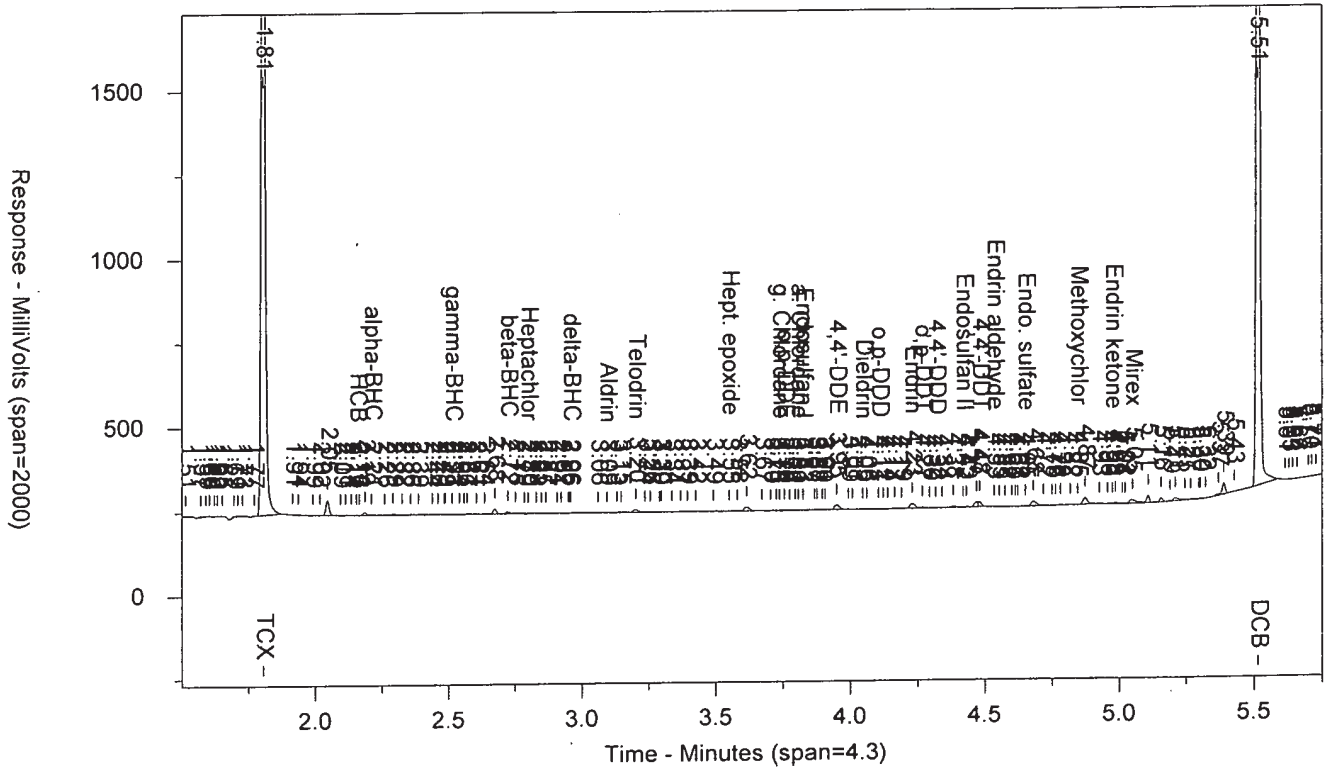
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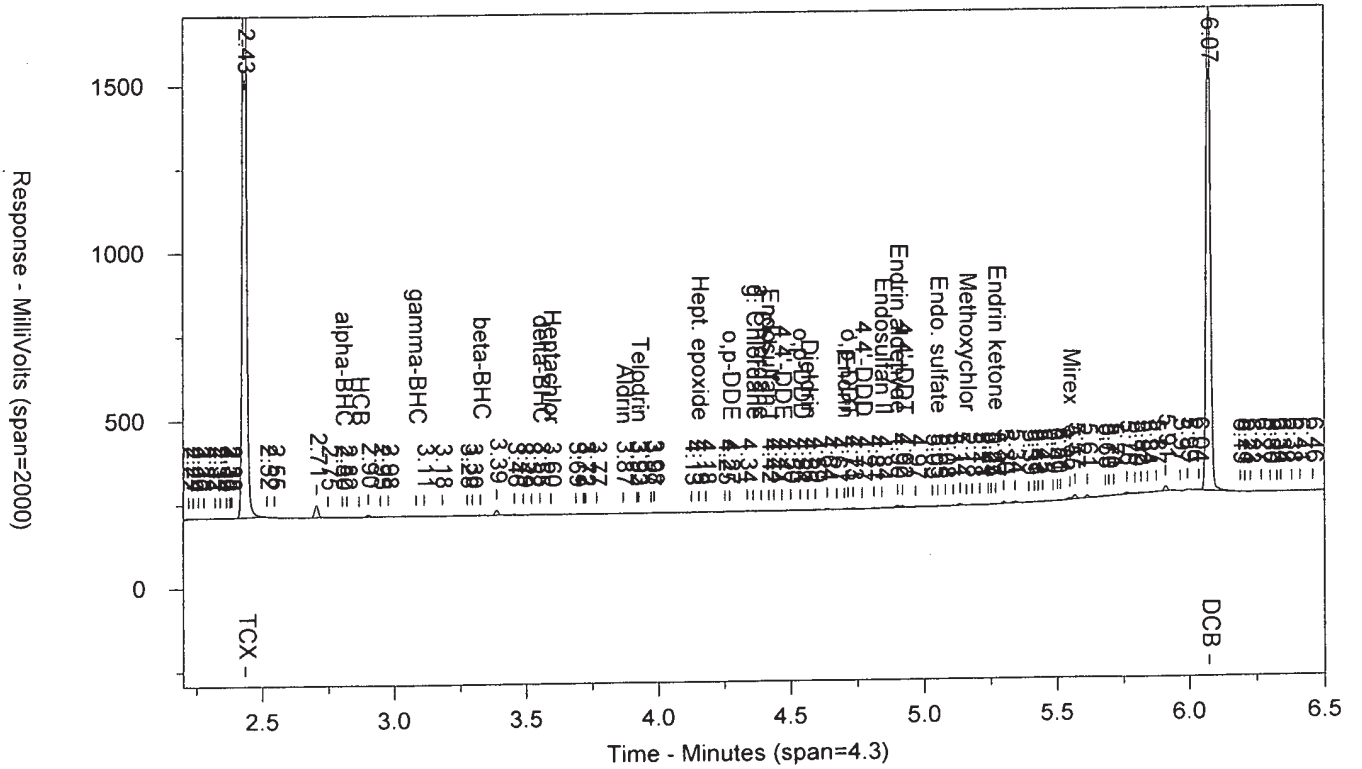
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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: IBLKX1824B AAPIBLKAA PIBLK183159999 00177 SW-846 8081A
 Injected On: 11/12/2018 6:07:58 PM Sample Weight: 1000
 Instrument ID: CP35-24952 Dilution Factor: 10
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

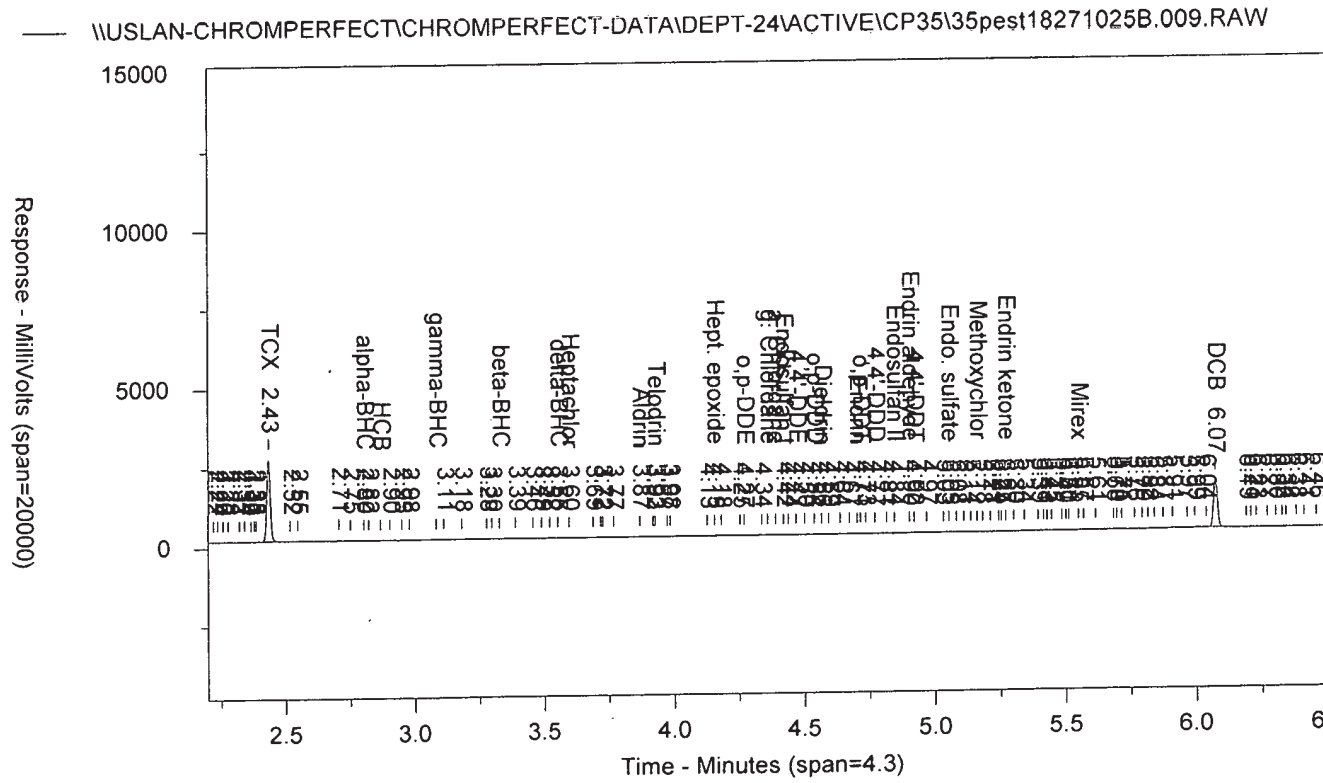
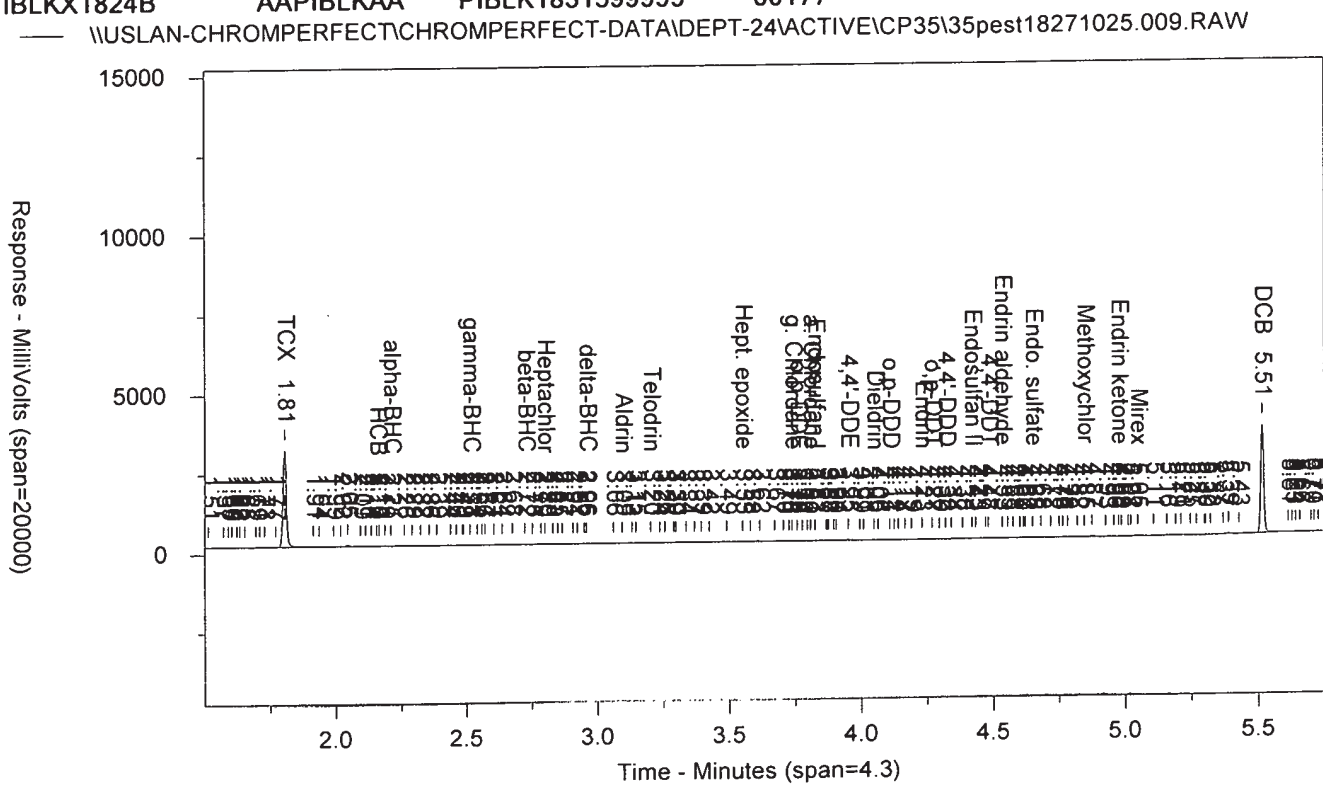
Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.805	3031502	.208	TCX	2.434	2591442	.209	TCX
2.156	858	-.001	HCB		0		HCB
2.21	521		alpha-BHC	2.802	1136		alpha-BHC
2.514	646		gamma-BHC		0		gamma-BHC
2.723	5972	.001	beta-BHC		0		beta-BHC
2.8	543		Heptachlor	3.595	516		Heptachlor
2.958	648		delta-BHC	3.553	1036		delta-BHC
3.094	575		Aldrin	3.868	543		Aldrin
3.202	7623	-.001	Telodrin	3.927	508	-.002	Telodrin
3.551	703		Hept. epoxide	4.154	419	-.001	Hept. epoxide
3.738	893		g. Chlordane		0		g. Chlordane
3.757	924	-.005	o,p-DDE	4.268	628	-.005	o,p-DDE
3.808	532		a. Chlordane		0		a. Chlordane
3.826	496		Endosulfan I	4.418	547	-.002	Endosulfan I
3.951	13070	.001	4,4'-DDE	4.467	486		4,4'-DDE
4.048	644		Dieldrin	4.565	557	-.004	Dieldrin
4.107	812	-.004	o,p-DDD	4.536	792	-.005	o,p-DDD
4.23	13895	.001	Endrin		0		Endrin
4.269	3425	-.002	o,p-DDT	4.715	3286	-.005	o,p-DDT
4.319	586		4,4'-DDD	4.769	466	-.003	4,4'-DDD
4.42	895		Endosulfan II	4.843	624	-.005	Endosulfan II
4.481	14229	.001	4,4'-DDT	4.919	4804		4,4'-DDT
4.534	1326		Endrin aldehyde	4.901	5868	-.002	Endrin aldehyde
4.651	1232	-.002	Endo. sulfate	5.052	1434	-.004	Endo. sulfate
4.846	480	.002	Methoxychlor		0		Methoxychlor
4.975	1174	-.003	Endrin ketone	5.27	364	-.005	Endrin ketone
5.049	10997	.001	Mirex	5.549	5557	-.017	Mirex
5.515	3422202	.278	DCB	6.072	1482237	.279	DCB

Files:

Area File: 35pest18271025.009.RAW
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 Method B: 35PESTD.MET
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EVALX1824B

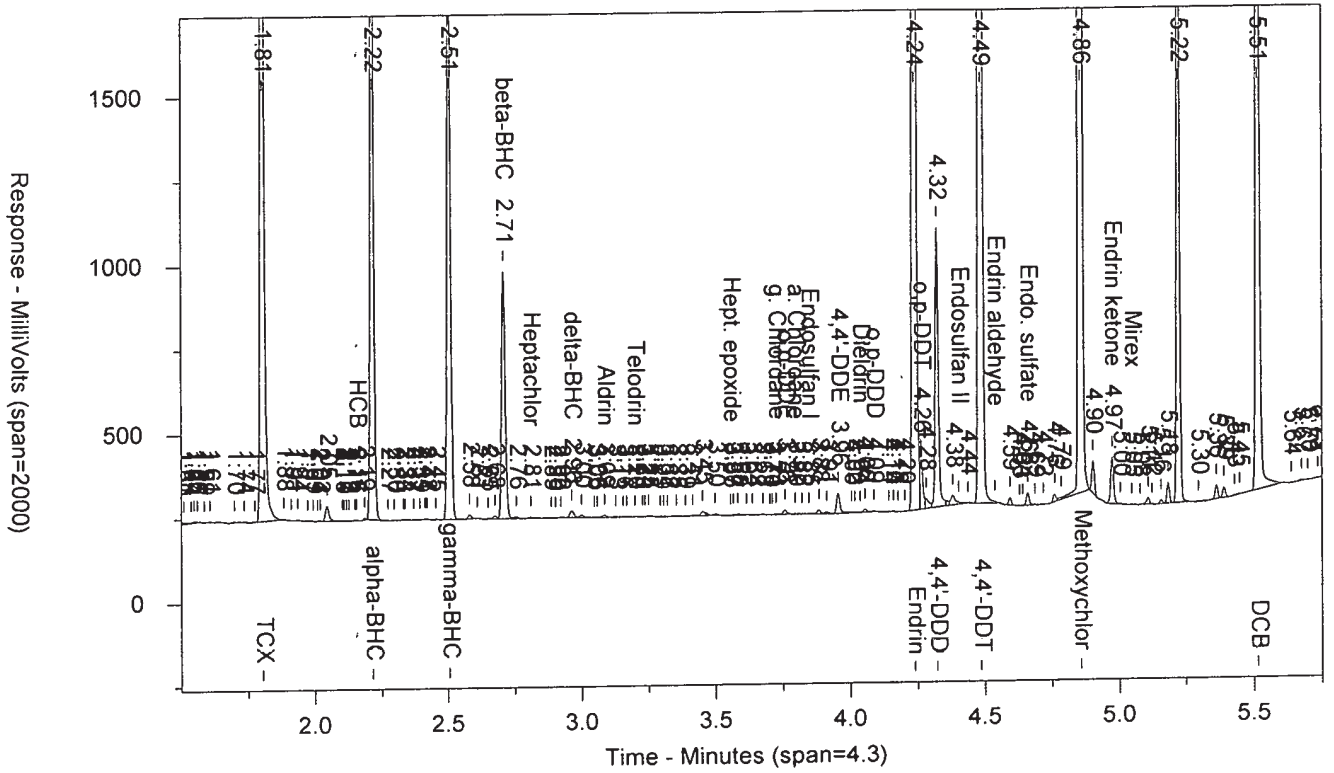
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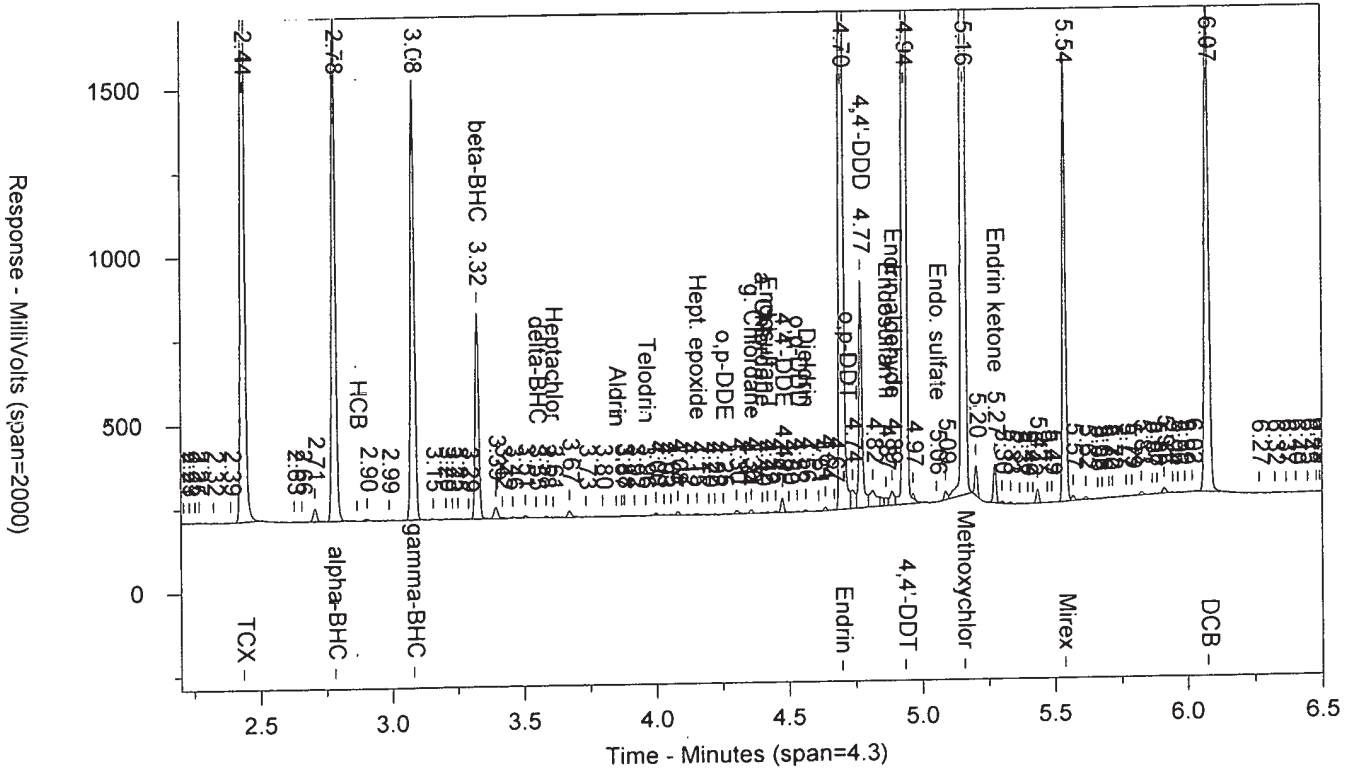
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: EVALX1824B AAPEMAA IPEM 183159999 00177 SW-846 8081A
 Injected On: 11/12/2018 6:18:20 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

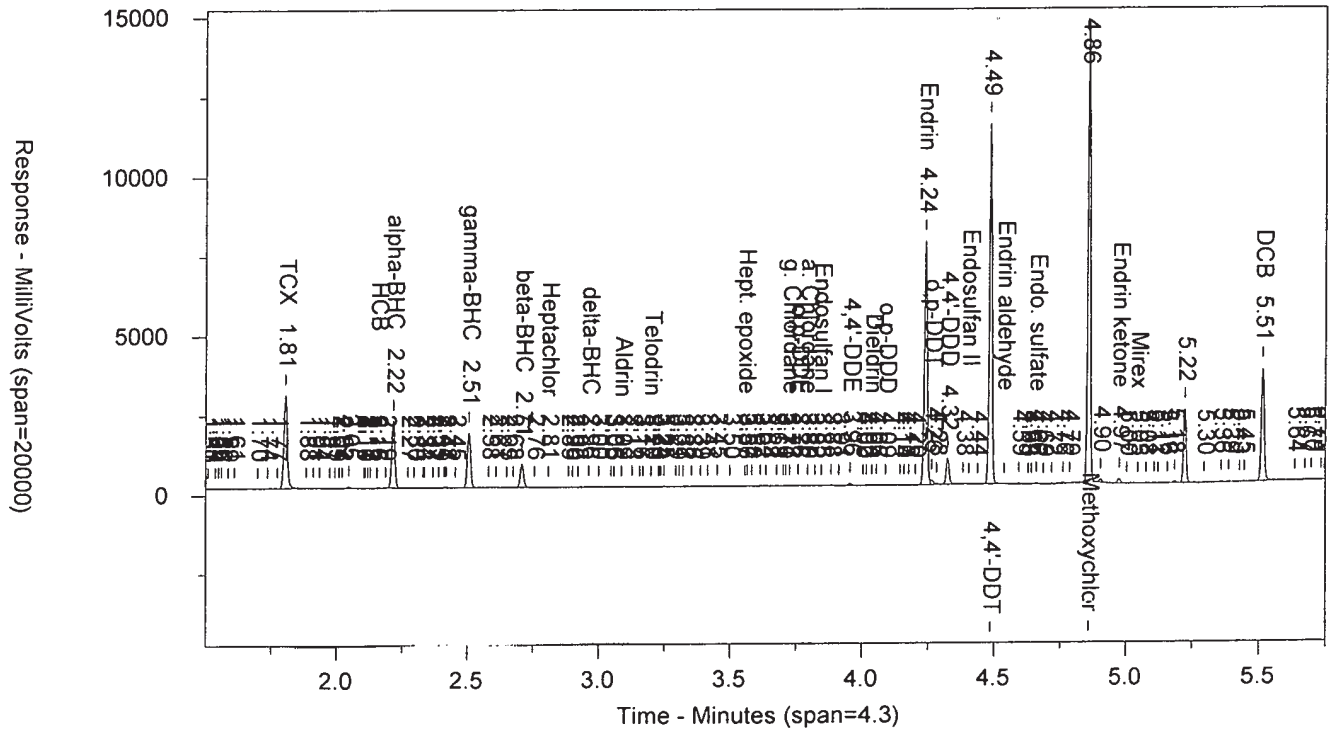
Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.805	2939055	20.149	TCX	2.436	2463881	19.872	TCX
2.156	783	-.147	HCB		0		HCB
2.216	2107281	8.768	alpha-BHC	2.781	1562550	8.838	alpha-BHC
2.506	1731080	8.206	gamma-BHC	3.079	1306274	8.644	gamma-BHC
2.709	736744	7.626	beta-BHC	3.324	613379	8.329	beta-BHC
2.81	2623	.015	Heptachlor	3.609	506	-.048	Heptachlor
2.963	19363	.095	delta-BHC	3.545	496	.003	delta-BHC
3.086	6566	.035	Aldrin		0		Aldrin
3.199	500	-.141	Telodrin	3.96	400	-.219	Telodrin
3.557	891	.005	Hept. epoxide	4.154	3683	-.076	Hept. epoxide
3.726	2067	.01	g. Chlordane	4.358	11449	.025	g. Chlordane
3.759	12449	-.37	o,p-DDE	4.253	655	-.538	o,p-DDE
3.796	1260	.006	a. Chlordane	4.399	442	-.153	a. Chlordane
3.847	1012	.005	Endosulfan I	4.418	3943	-.158	Endosulfan I
3.956	60510	.315	4,4'-DDE	4.475	44180	.307	4,4'-DDE
4.037	1673	.008	Dieldrin	4.563	5608	-.391	Dieldrin
4.089	3636	-.348	o,p-DDD	4.532	3248	-.489	o,p-DDD
4.24	7713227	41.867	Endrin	4.699	5745855	48.672	Endrin
4.264	147026	1.004	o,p-DDT		0		o,p-DDT
4.324	835600	5.234	4,4'-DDD	4.77	677364	6.005	4,4'-DDD
4.485	11400440	79.558	4,4'-DDT	4.936	10211690	100.697	4,4'-DDT
4.66	37614	.065	Endo. sulfate	5.056	789	-.359	Endo. sulfate
4.858	14584850	240.147	Methoxychlor	5.158	12992070	301.968	Methoxychlor
	0		Endosulfan II	4.865	23887	-.306	Endosulfan II
	0		Endrin aldehyde	4.888	42506	.184	Endrin aldehyde
4.974	139959	.532	Endrin ketone	5.273	116432	.536	Endrin ketone
5.047	1434	.011	Mirex	5.537	1326102	19.542	Mirex
5.515	3557418	28.908	DCB	6.074	1502872	28.286	DCB

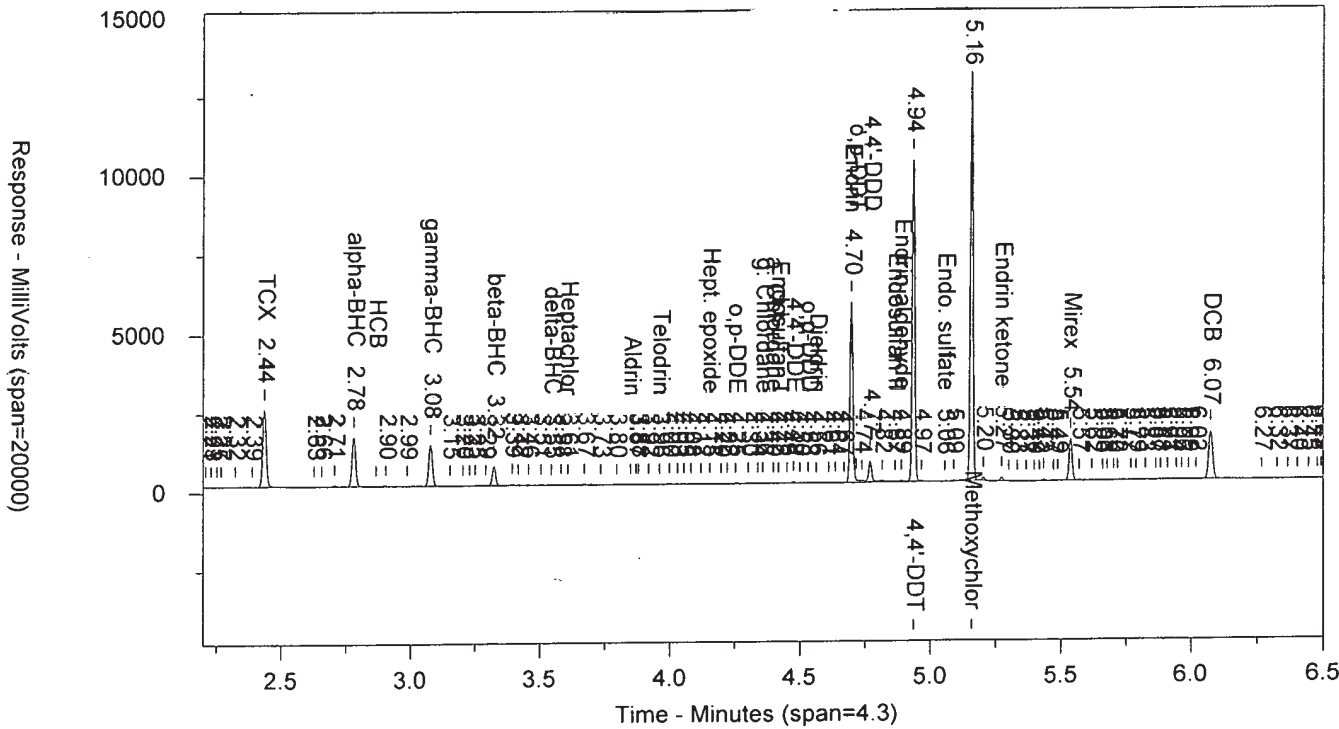
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 Method B: 35PESTD.B.MET
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EVALX1824B AAPEMAA IPEM 183159999 00177 SW-846 8081A

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MIXA11824B

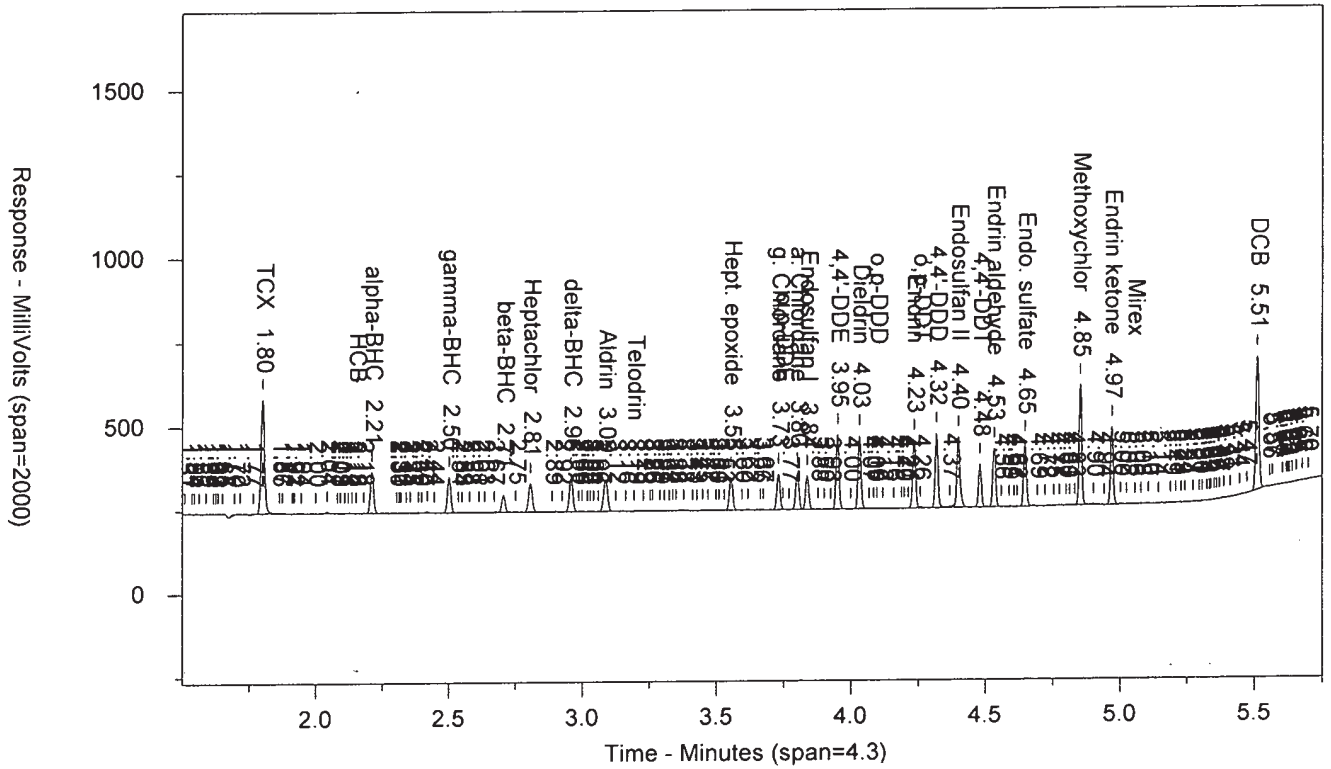
AAMIXA1AA

ICAL 1831599999

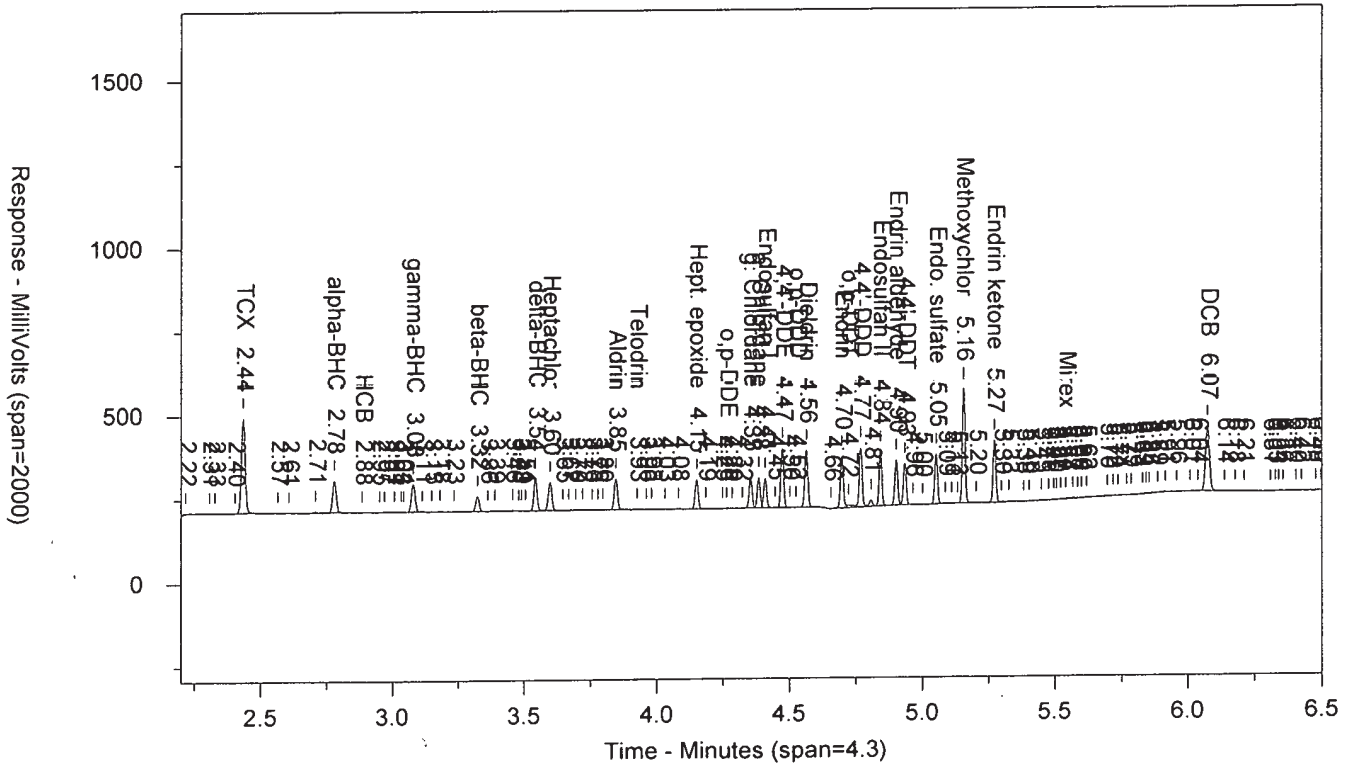
00177

SW-846 8081A

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\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271025B.011.RAW



Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: MIXA11824B AAMIXA1AA ICAL 183159999 00177 SW-846 8081A
 Injected On: 11/12/2018 6:28:50 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.801	341540	2.341	TCX	2.435	282097	2.275	TCX
2.152	465	-.149	HCB	2.884	415	-.19	HCB
2.211	123882	.515	alpha-BHC	2.78	93258	.527	alpha-BHC
2.502	106484	.505	gamma-BHC	3.079	81647	.54	gamma-BHC
2.706	51627	.534	beta-BHC	3.325	43814	.413	beta-BHC
2.806	84612	.471	Heptachlor	3.599	83391	.521	Heptachlor
2.958	99985	.488	delta-BHC	3.544	95416	.53	delta-BHC
3.086	96270	.511	Aldrin	3.847	91373	.547	Aldrin
3.193	516	-.141	Telodrin	3.926	890	-.214	Telodrin
3.554	97813	.517	Hept. epoxide	4.151	87438	.529	Hept. epoxide
3.731	107274	.534	g. Chlordane	4.354	89189	.579	g. Chlordane
3.801	108075	.538	a. Chlordane	4.385	90981	.517	a. Chlordane
3.837	100852	.531	Endosulfan I	4.409	87973	.491	Endosulfan I
3.951	223057	1.162	4,4'-DDE	4.474	176444	1.226	4,4'-DDE
4.033	218885	1.062	Dieldrin	4.564	169633	.823	Dieldrin
4.098	1401	-.369	o,p-DDD	4.525	520	-.524	o,p-DDD
4.235	203077	1.102	Endrin	4.698	154374	1.024	Endrin
4.258	2193	-.26	o,p-DDT	4.722	7865	-.422	o,p-DDT
	0		o,p-DDE	4.264	536	-.54	o,p-DDE
4.319	222753	1.395	4,4'-DDD	4.769	177858	1.335	4,4'-DDD
4.4	211843	1.182	Endosulfan II	4.844	162701	.93	Endosulfan II
4.48	128629	.898	4,4'-DDT	4.934	123455	1.126	4,4'-DDT
4.533	176014	1.181	Endrin aldehyde	4.903	136308	1.203	Endrin aldehyde
4.647	194017	1.12	Endo. sulfate	5.052	149805	1.073	Endo. sulfate
4.852	358414	6.074	Methoxychlor	5.156	344379	6.376	Methoxychlor
4.969	232329	1.07	Endrin ketone	5.272	185874	1.157	Endrin ketone
5.056	707	.005	Mirex	5.54	1841	-1.769	Mirex
5.511	396318	2.875	DCB	6.074	194864	3.129	DCB

Files:

Area File: 35pest18271025.011.RAW
 Area File: 35pest18271025B.011.RAW
 Method A: 35PESTD.MET
 Method B: 35PESTDDB.MET
 Calibration File A: 35pest1827109.CAL
 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
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MIXA11824B

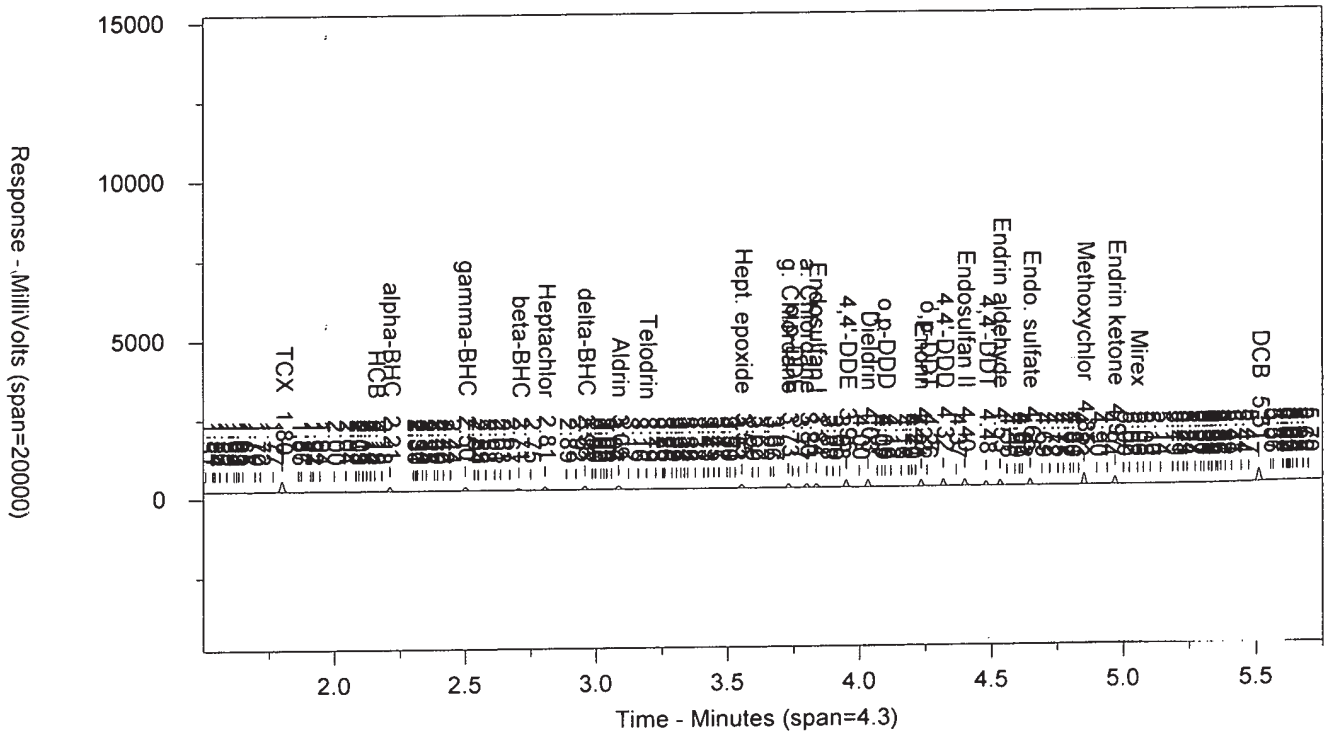
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ICAL 1831599999

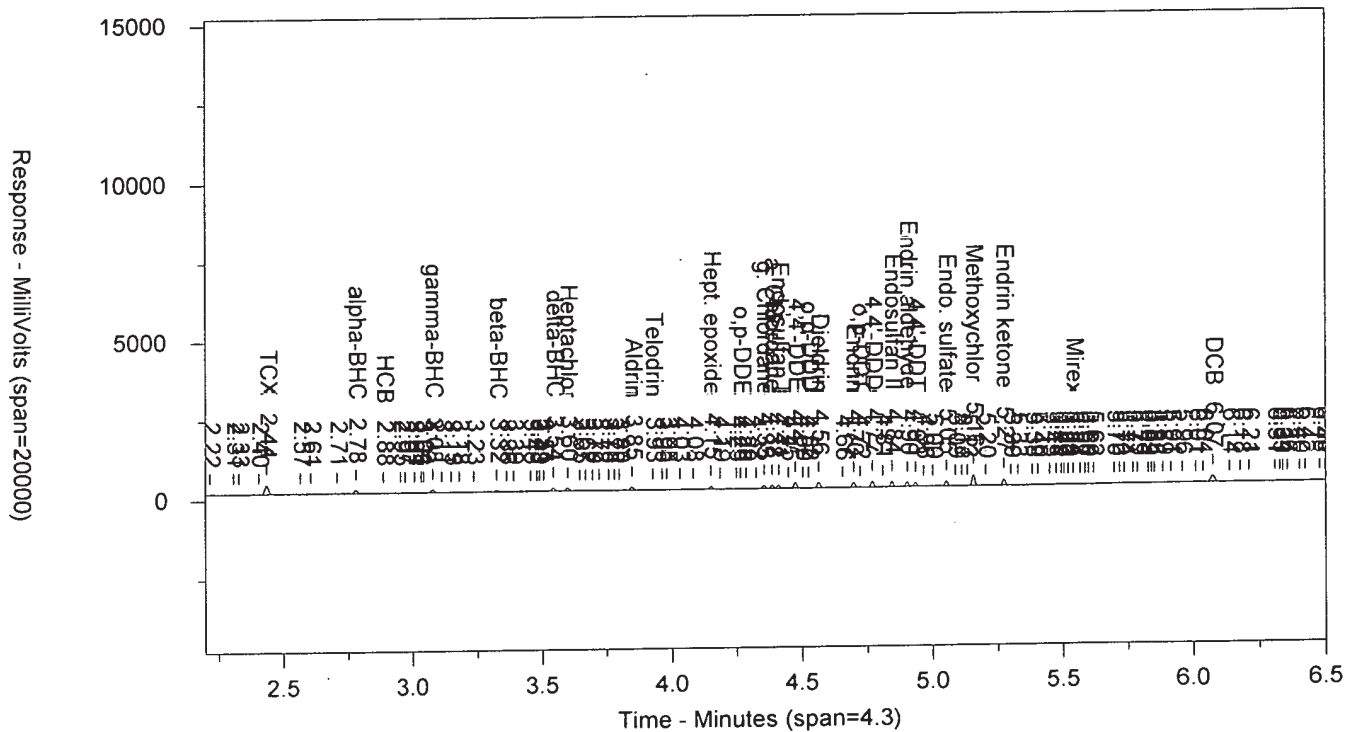
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SW-846 8081A

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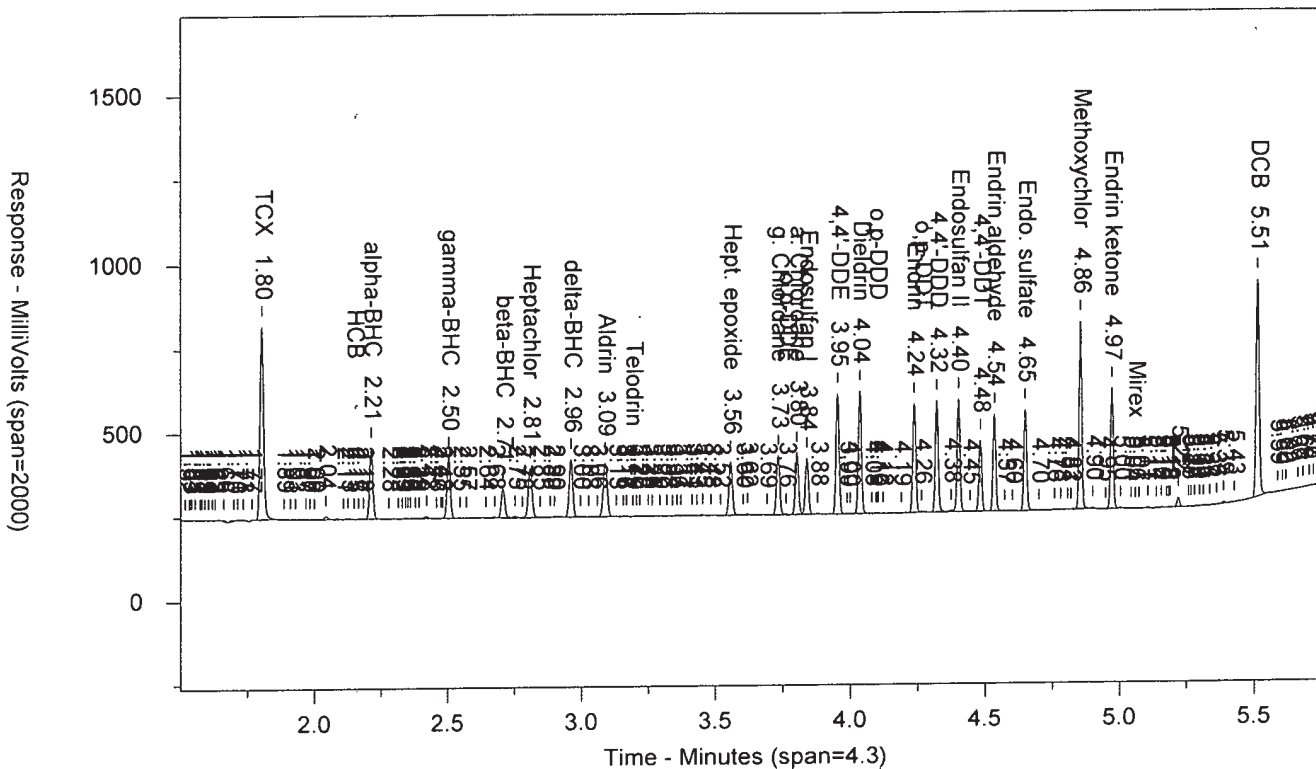
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ICAL 183159999

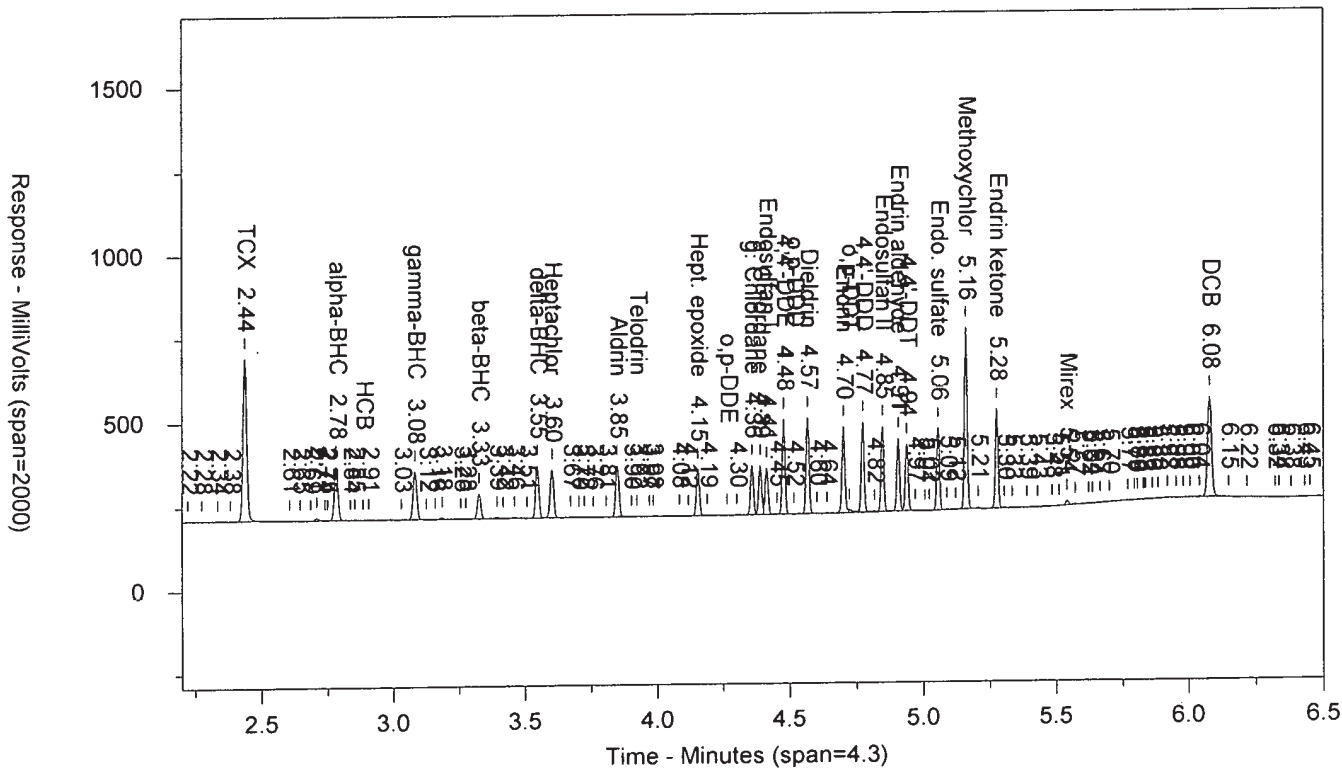
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: MIXA21824B AAMIXA2AA ICAL 183159999 00177 SW-846 8081A
 Injected On: 11/12/2018 6:39:25 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

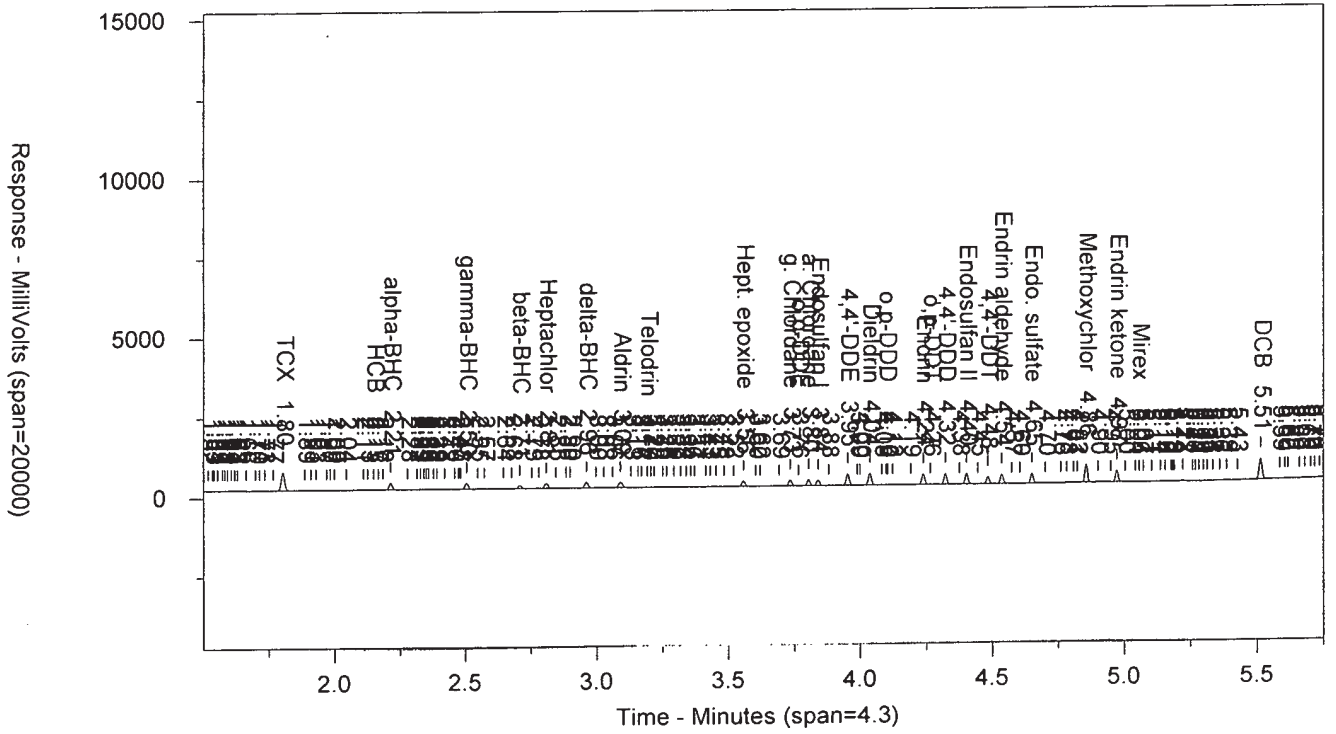
RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.804	577023	3.935	TCX	2.439	482937	3.902	TCX
2.149	963	.049	HCB		0		HCB
2.214	213152	.893	alpha-BHC	2.783	159430	.909	alpha-BHC
2.505	181737	.877	gamma-BHC	3.082	143091	.955	gamma-BHC
2.708	86703	.916	beta-BHC	3.327	74513	.861	beta-BHC
2.809	146327	.842	Heptachlor	3.602	142996	.951	Heptachlor
2.961	173079	.863	delta-BHC	3.547	154636	.869	delta-BHC
3.09	161538	.87	Aldrin	3.85	152210	.951	Aldrin
3.192	1054	.063	Telodrin	3.923	628	-.012	Telodrin
3.557	161752	.868	Hept. epoxide	4.154	138915	.908	Hept. epoxide
3.733	177766	.897	g. Chlordane	4.357	146331	.991	g. Chlordane
3.764	1201	-.06	o,p-DDE		0		o,p-DDE
3.804	187078	.942	a. Chlordane	4.388	145904	.931	a. Chlordane
3.84	169426	.906	Endosulfan I	4.413	137954	.878	Endosulfan I
3.953	361292	1.882	4,4'-DDE	4.477	284300	1.958	4,4'-DDE
4.037	368464	1.811	Dieldrin	4.567	284874	1.706	Dieldrin
4.098	1241	.029	o,p-DDD	4.516	648	-.109	o,p-DDD
4.238	327125	1.786	Endrin	4.701	255904	1.884	Endrin
4.264	3735	.149	o,p-DDT		0		o,p-DDT
4.322	336121	2.023	4,4'-DDD	4.773	267813	2.049	4,4'-DDD
4.402	338387	1.892	Endosulfan II	4.847	253522	1.71	Endosulfan II
4.483	214452	1.571	4,4'-DDT	4.938	198043	1.887	4,4'-DDT
4.536	292235	1.962	Endrin aldehyde	4.906	215862	2.023	Endrin aldehyde
4.65	305152	1.868	Endo. sulfate	5.056	244609	1.939	Endo. sulfate
4.856	562609	9.593	Methoxychlor	5.16	541084	10.594	Methoxychlor
4.972	364900	1.822	Endrin ketone	5.276	295907	2.044	Endrin ketone
5.058	839	.008	Mirex	5.54	13664	-.387	Mirex
5.513	650720	4.766	DCB	6.078	297129	4.801	DCB

Files:

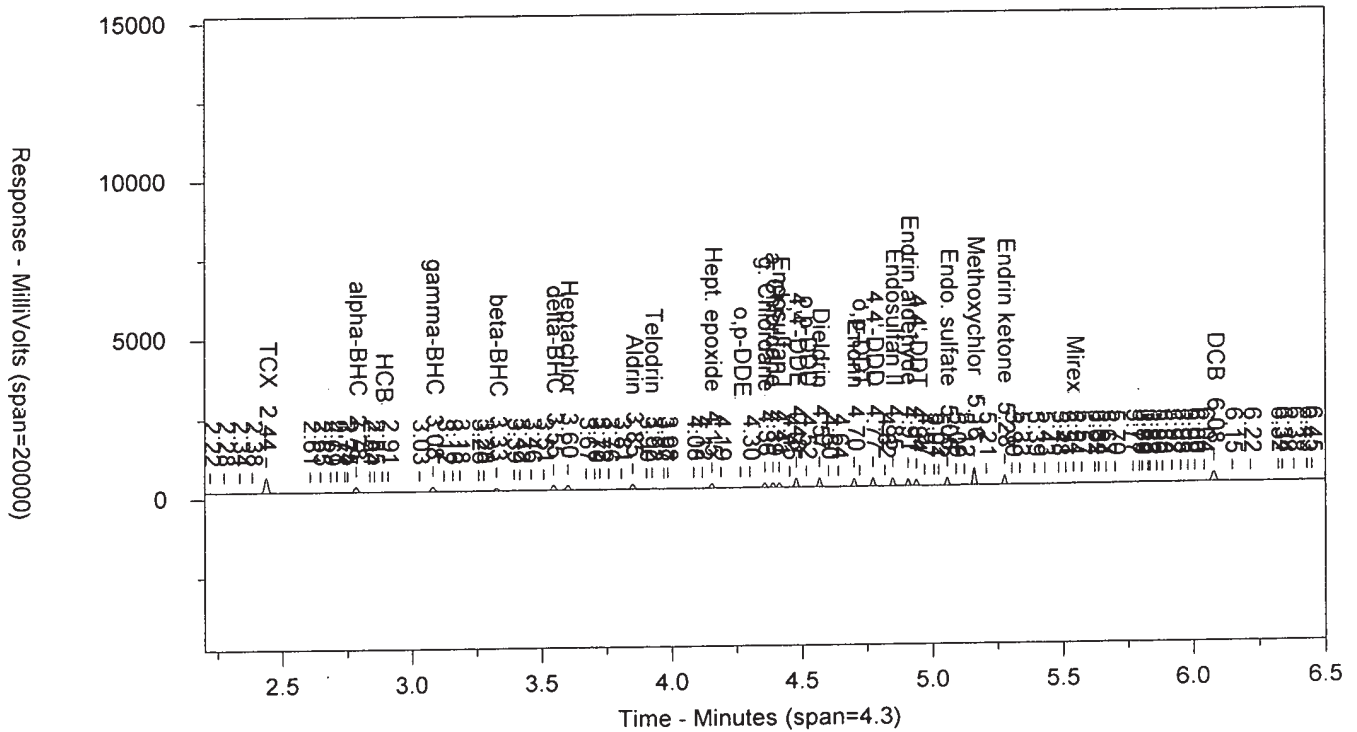
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 Method B: 35PESTDB.MET
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 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
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MIXA21824B AAMIXA2AA ICAL 1831599999 00177 SW-846 8081A

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MIXA31824B

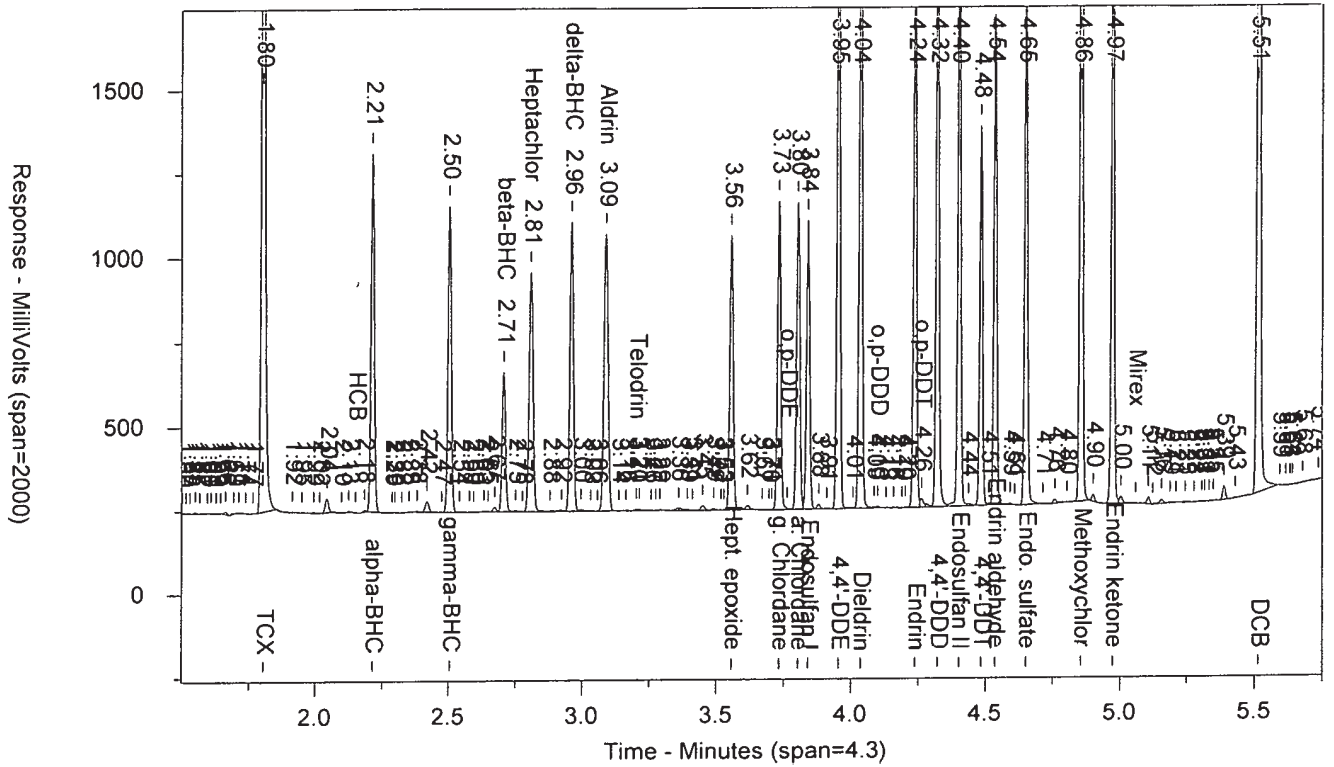
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ICAL 183159999

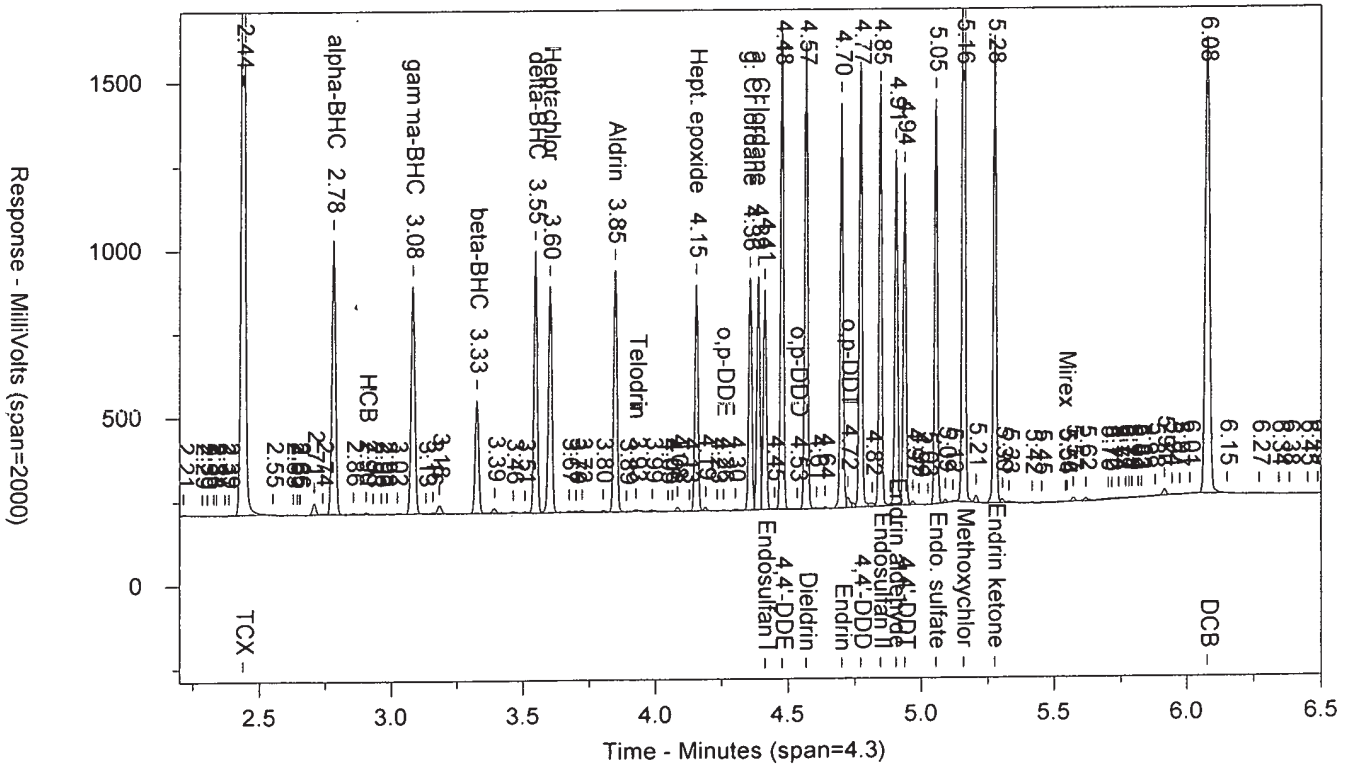
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: MIXA31824B AAMIXA3AA ICAL 1831599999 00177 SW-846 8081A
 Injected On: 11/12/2018 6:49:50 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.804	2874839	19.503	TCX	2.439	2324725	18.757	TCX
2.214	1064955	4.499	alpha-BHC	2.783	820645	4.715	alpha-BHC
2.505	909565	4.461	gamma-BHC	3.082	680169	4.562	gamma-BHC
2.707	416134	4.453	beta-BHC	3.326	336922	4.522	beta-BHC
2.809	712328	4.207	Heptachlor	3.602	676768	4.622	Heptachlor
	0		HCB	2.904	5577	.382	HCB
2.961	860241	4.37	delta-BHC	3.547	784460	4.48	delta-BHC
3.09	823438	4.516	Aldrin	3.85	723456	4.608	Aldrin
3.203	4275	.407	Telodrin	3.928	4502	.361	Telodrin
3.557	817203	4.491	Hept. epoxide	4.154	676017	4.798	Hept. epoxide
3.734	918750	4.704	g. Chlordane	4.358	694221	4.902	g. Chlordane
3.804	914479	4.662	a. Chlordane	4.388	697038	5.027	a. Chlordane
3.84	860293	4.684	Endosulfan I	4.413	656044	4.885	Endosulfan I
3.954	1851152	9.711	4,4'-DDE	4.477	1436554	9.877	4,4'-DDE
4.037	1893939	9.455	Dieldrin	4.567	1392187	9.905	Dieldrin
4.1	4794	.722	o,p-DDD	4.534	1003	.571	o,p-DDD
4.239	1668100	9.249	Endrin	4.7	1214099	10.049	Endrin
	0		o,p-DDE	4.257	2259	.58	o,p-DDE
4.263	25937	.979	o,p-DDT	4.724	29864	.912	o,p-DDT
4.322	1811810	10.797	4,4'-DDD	4.772	1332906	11.987	4,4'-DDD
4.403	1731725	9.734	Endosulfan II	4.847	1260682	10.69	Endosulfan II
4.484	1132618	8.636	4,4'-DDT	4.938	993745	9.776	4,4'-DDT
4.536	1462808	9.865	Endrin aldehyde	4.906	1064502	11.24	Endrin aldehyde
4.651	1540426	10.216	Endo. sulfate	5.055	1211176	11.227	Endo. sulfate
4.856	2978470	49.493	Methoxychlor	5.159	2753140	62.114	Methoxychlor
4.972	1892697	10.732	Endrin ketone	5.275	1402941	11.918	Endrin ketone
5.514	3311176	26.515	DCB	6.077	1366991	25.227	DCB
	0		Mirex	5.541	589	1.174	Mirex

Files:

Area File: 35pest18271025.013.RAW
 Area File: 35pest18271025B.013.RAW
 Method A: 35PESTD.MET
 Method B: 35PESTDDB.MET
 Calibration File A: 35pest1827109.CAL
 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
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MIXA31824B

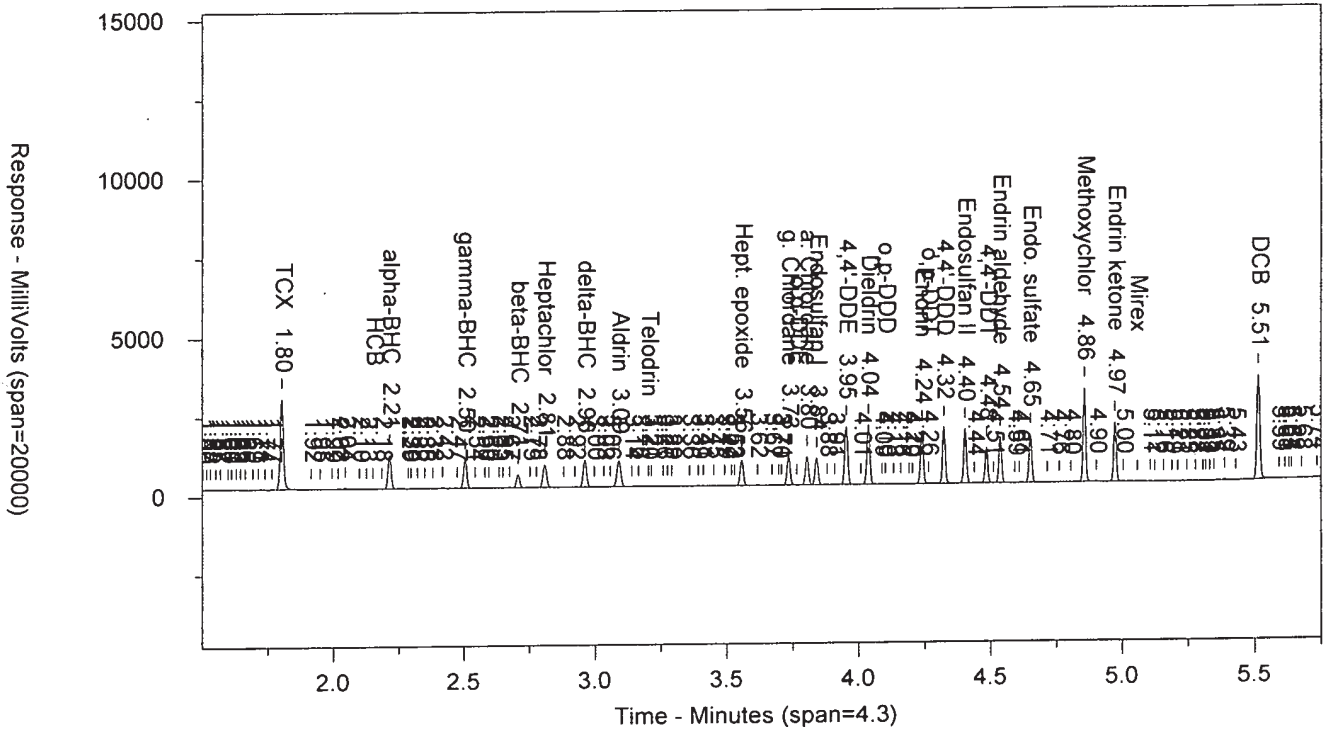
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ICAL 1831599999

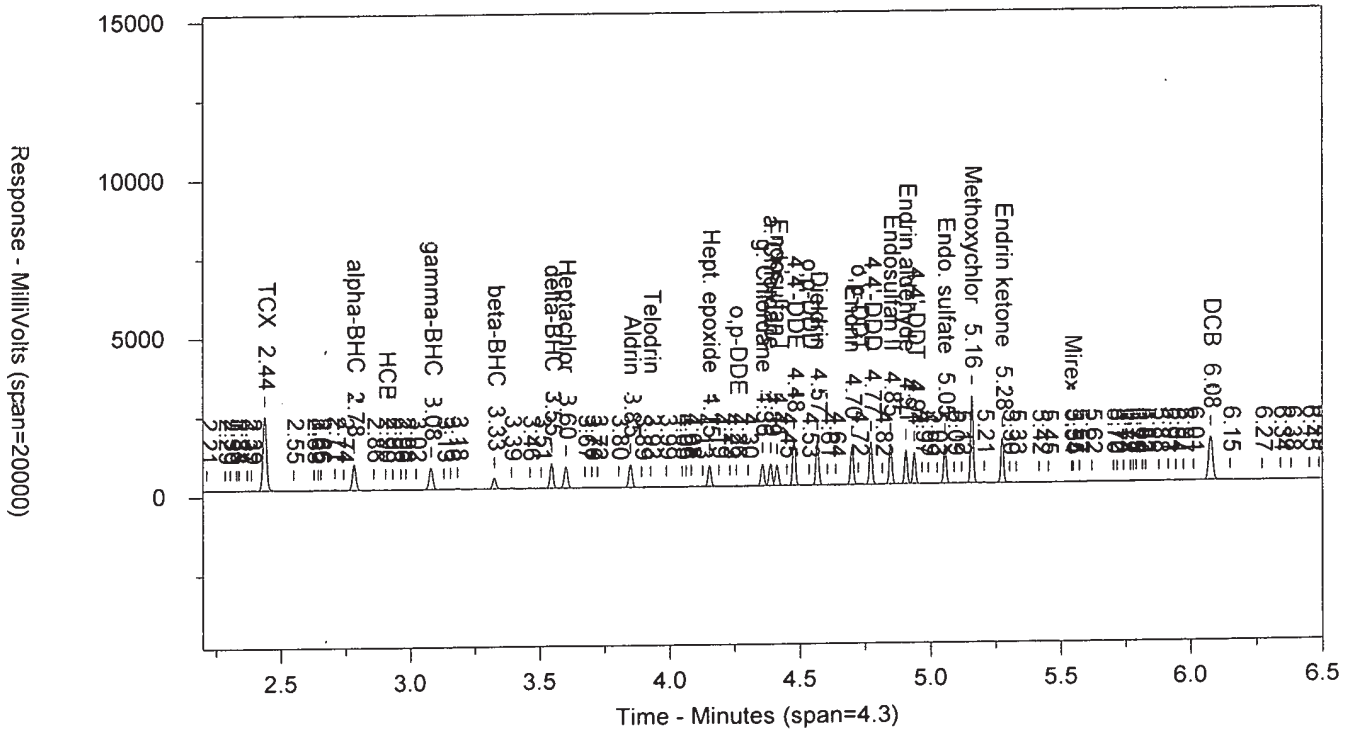
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SW-846 8081A

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MIXA41824B

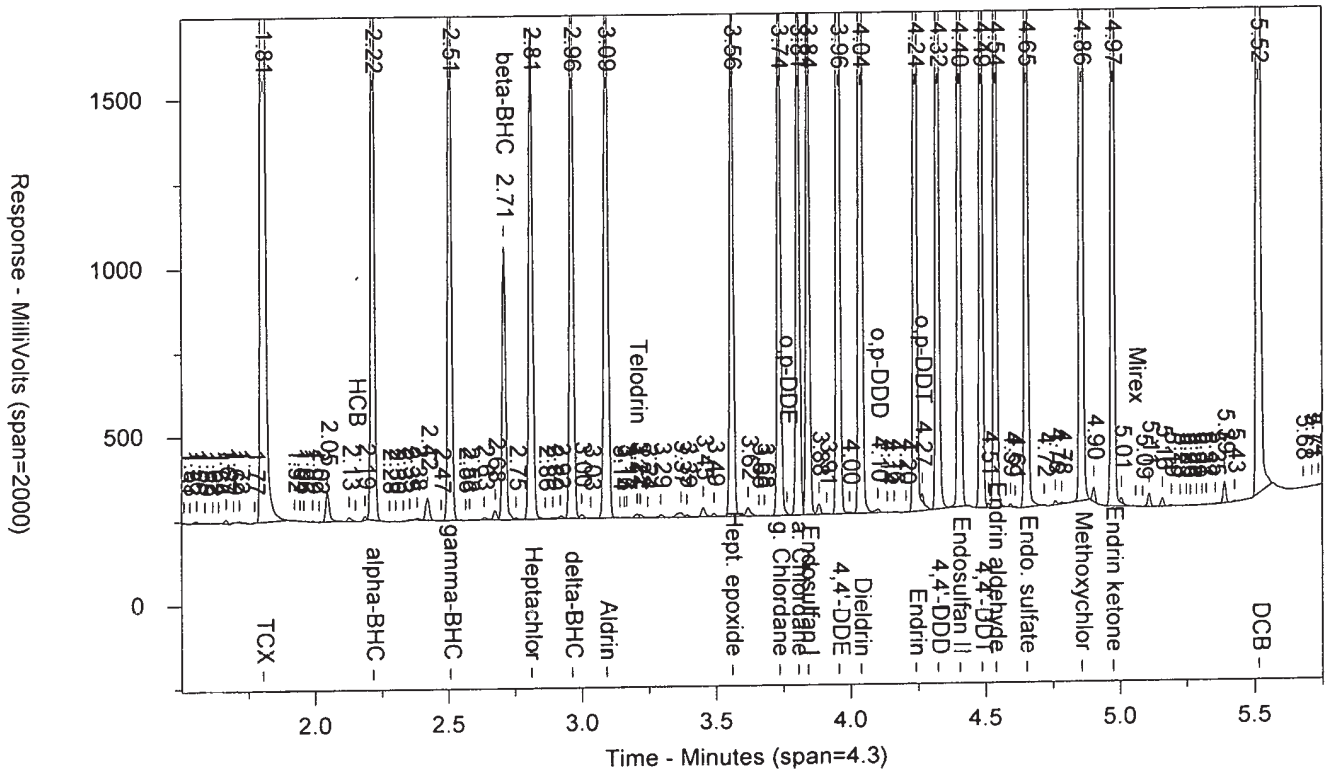
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ICAL 183159999

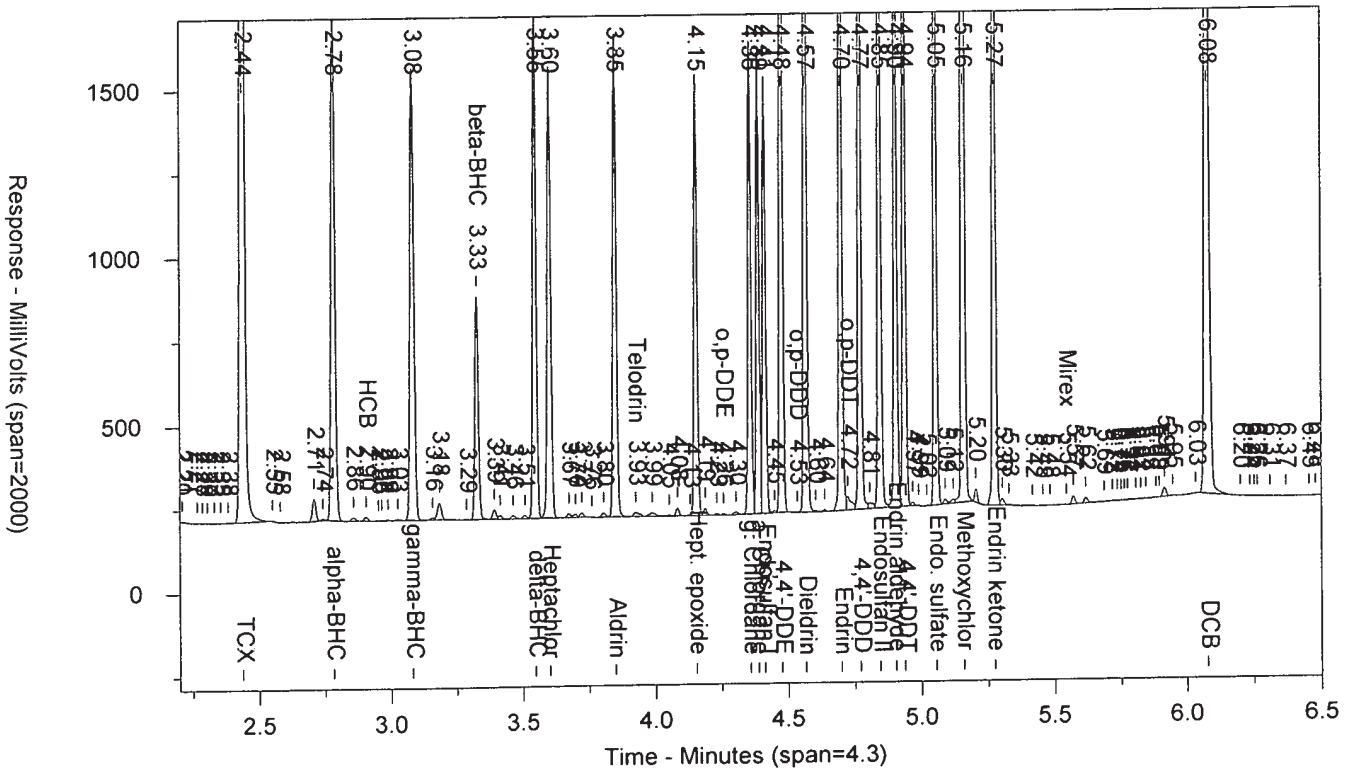
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SW-846 8081A

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LANCASTER LABORATORIES

Sample Number: MIXA41824B AAMIXA4AA ICAL 183159999 00177 SW-846 8081A
 Injected On: 11/12/2018 7:00:14 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.805	5628913	38.042	TCX	2.438	4817861	38.909	TCX
2.216	2173153	9.29	alpha-BHC	2.782	1619214	9.322	alpha-BHC
2.506	1803298	8.987	gamma-BHC	3.081	1348654	9.107	gamma-BHC
2.709	813294	8.851	beta-BHC	3.326	665506	9.154	beta-BHC
2.81	1465296	8.882	Heptachlor	3.602	1348979	9.284	Heptachlor
	0		HCB	2.904	11046	1.075	HCB
2.963	1746180	9.054	delta-BHC	3.546	1587435	9.149	delta-BHC
3.092	1680402	9.332	Aldrin	3.849	1443200	9.216	Aldrin
3.206	10283	1.121	Telodrin	3.926	11972	1.134	Telodrin
3.559	1624142	9.051	Hept. epoxide	4.154	1321832	9.456	Hept. epoxide
3.735	1770106	9.097	g. Chlordane	4.357	1416590	10.038	g. Chlordane
3.805	1788200	9.153	a. Chlordane	4.388	1387341	10.1	a. Chlordane
3.842	1669714	9.143	Endosulfan I	4.412	1274407	9.652	Endosulfan I
3.956	3654805	19.047	4,4'-DDE	4.476	2880378	19.613	4,4'-DDE
4.038	3748834	18.75	Dieldrin	4.566	2743982	19.843	Dieldrin
4.103	10510	2.129	o,p-DDD	4.534	1353	1.957	o,p-DDD
4.241	3275778	18.292	Endrin	4.7	2359260	19.735	Endrin
	0		o,p-DDE	4.256	4111	1.995	o,p-DDE
4.266	22936	2.23	o,p-DDT	4.724	41291	2.33	o,p-DDT
4.324	3366218	19.459	4,4'-DDD	4.771	2532737	22.939	4,4'-DDD
4.405	3389276	18.997	Endosulfan II	4.845	2489942	21.524	Endosulfan II
4.486	2462240	19.206	4,4'-DDT	4.937	2162983	21.281	4,4'-DDT
4.538	2843482	19.053	Endrin aldehyde	4.905	1960180	20.826	Endrin aldehyde
4.652	2967273	19.757	Endo. sulfate	5.055	2342017	21.89	Endo. sulfate
4.858	6142722	101.306	Methoxychlor	5.159	5399703	122.732	Methoxychlor
4.974	3770340	21.553	Endrin ketone	5.275	2669843	23.037	Endrin ketone
5.516	6519826	52.397	DCB	6.076	2821597	52.905	DCB
	0		Mirex	5.544	750	4.74	Mirex

Files:

Area File: 35pest18271025.014.RAW
 Area File: 35pest18271025B.014.RAW
 Method A: 35PESTD.MET
 Method B: 35PESTD.MET
 Calibration File A: 35pest1827109.CAL
 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
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MIXA41824B

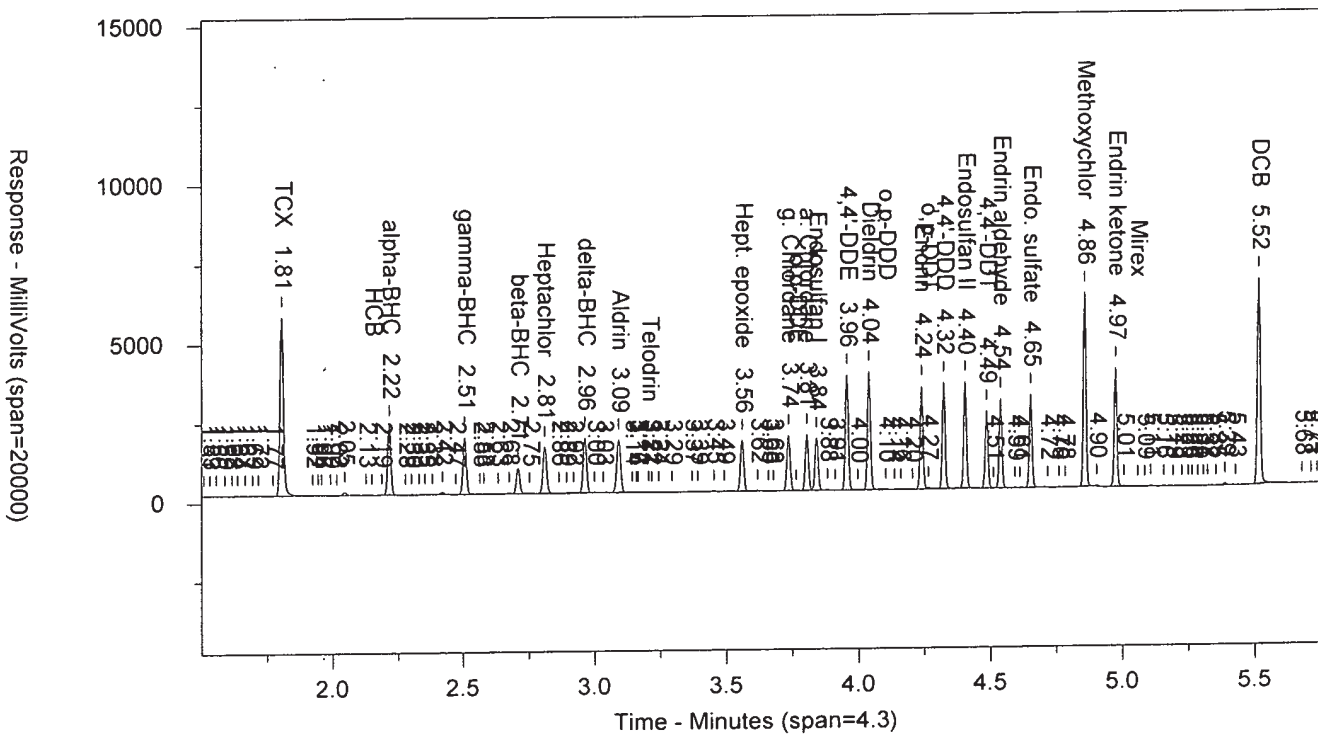
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ICAL 1831599999

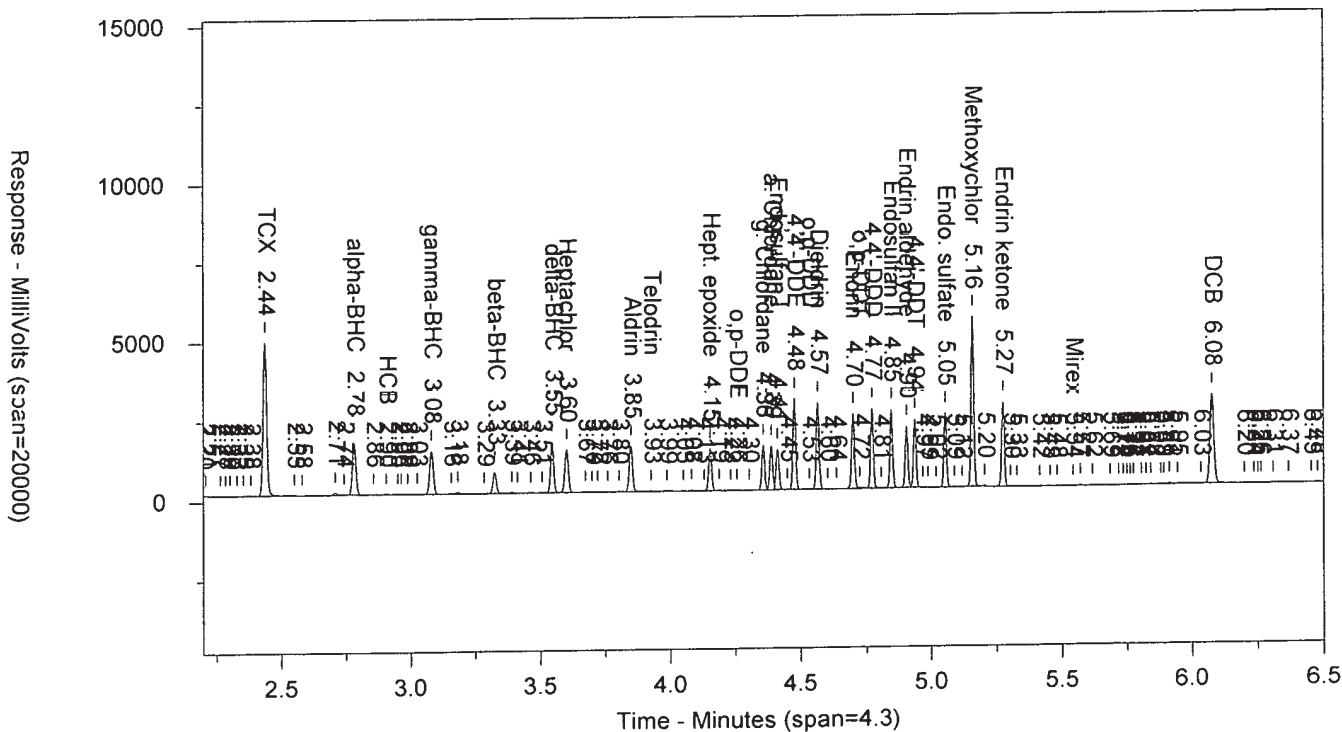
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SW-846 8081A

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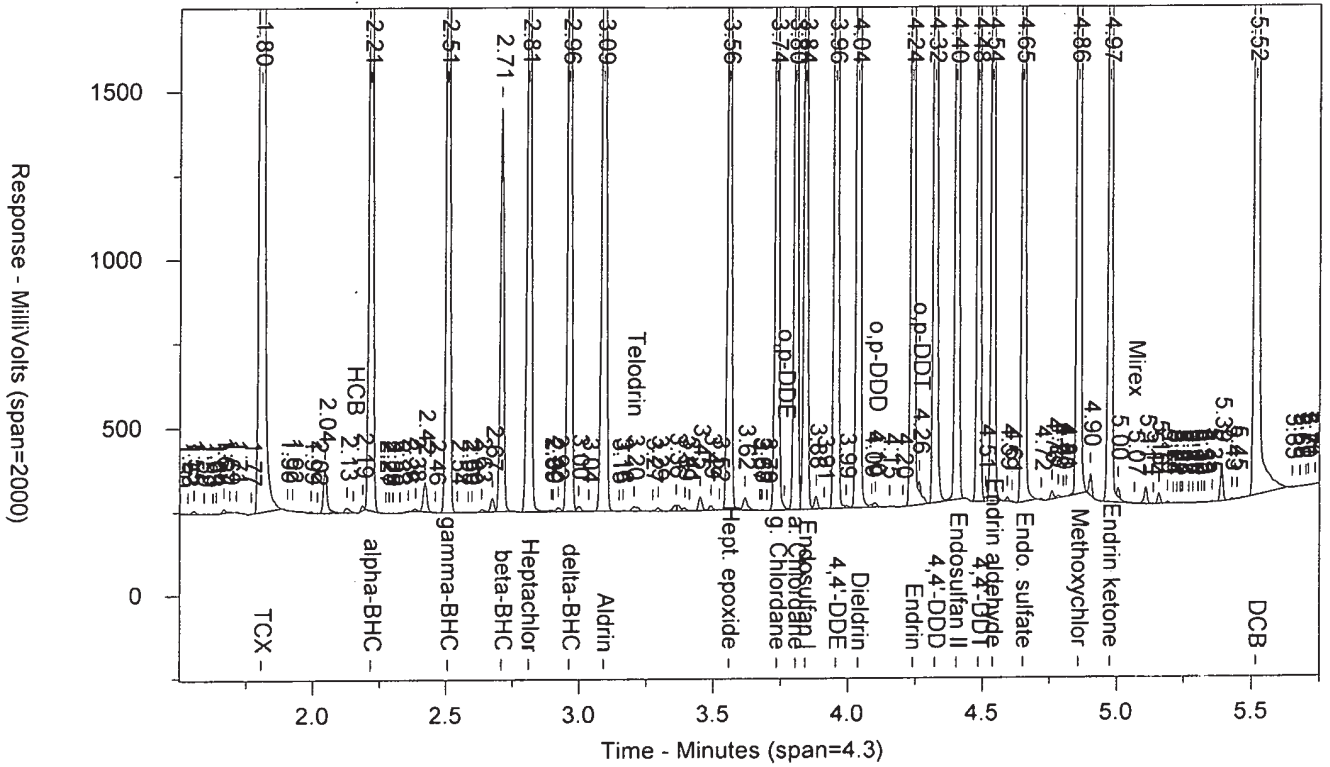
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ICAL 183159999

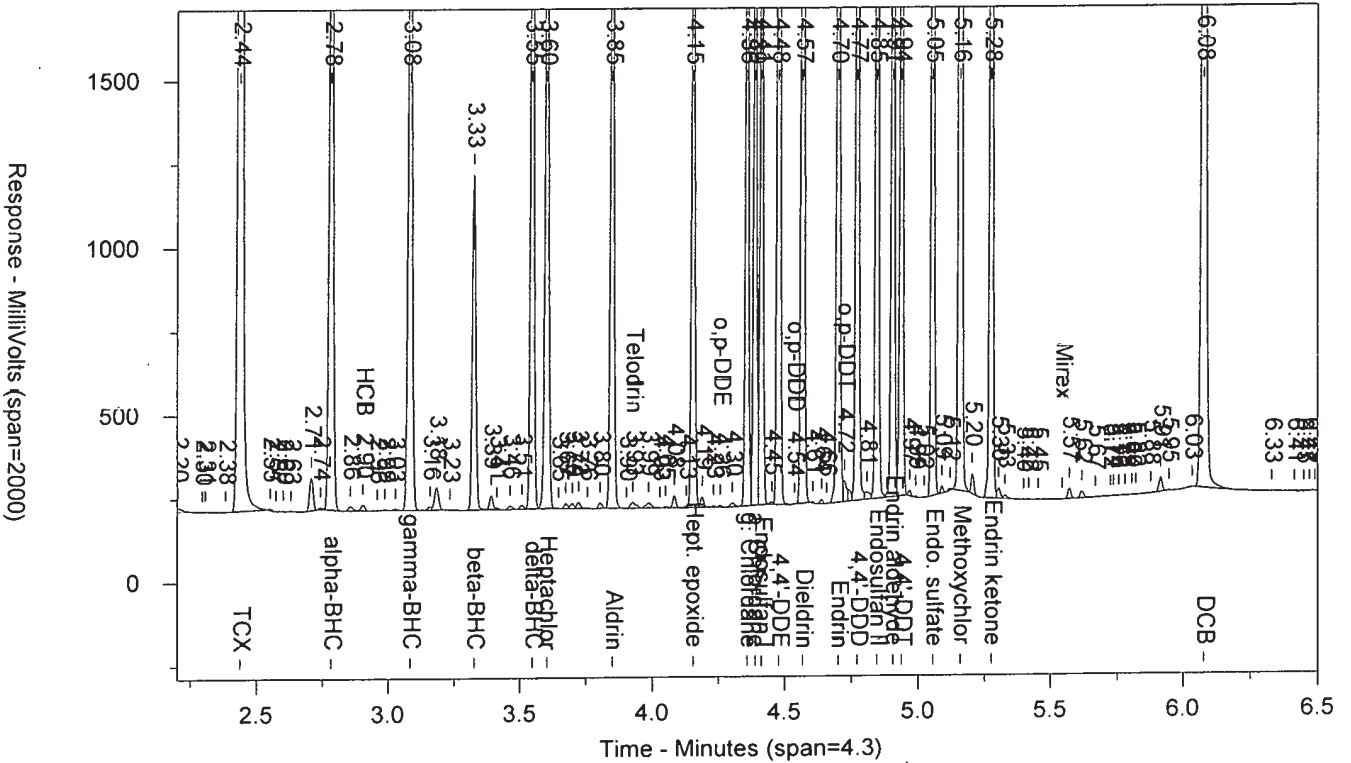
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: MIXA51824B AAMIXA5AA ICAL 183159999 00177 SW-846 8081A
 Injected On: 11/12/2018 7:10:41 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.805	8228142	55.634	TCX	2.438	7194238	58.202	TCX
2.215	3327249	14.462	alpha-BHC	2.783	2462408	14.406	alpha-BHC
2.506	2776305	14.189	gamma-BHC	3.082	2094929	14.412	gamma-BHC
2.708	1200736	13.427	beta-BHC	3.326	1004779	14.051	beta-BHC
2.81	2169349	13.638	Heptachlor	3.602	2078589	14.49	Heptachlor
	0		HCB	2.904	17190	2.025	HCB
2.961	2645375	14.127	delta-BHC	3.547	2422910	14.288	delta-BHC
3.091	2485606	14.098	Aldrin	3.85	2166872	13.979	Aldrin
3.204	12402	2.012	Telodrin	3.928	17281	2.057	Telodrin
3.558	2381541	13.634	Hept. epoxide	4.154	1916627	13.888	Hept. epoxide
3.735	2729817	14.321	g. Chlordane	4.358	2034279	14.431	g. Chlordane
3.805	2732870	14.258	a. Chlordane	4.388	1997274	14.639	a. Chlordane
3.841	2542878	14.16	Endosulfan I	4.412	1952191	14.994	Endosulfan I
3.955	5517177	28.917	4,4'-DDE	4.477	4191146	28.431	4,4'-DDE
4.037	5586457	28.348	Dieldrin	4.567	4089004	30.048	Dieldrin
4.102	12986	3.934	o,p-DDD	4.536	1135	3.813	o,p-DDD
4.239	4889813	27.913	Endrin	4.701	3437380	29.198	Endrin
	0		o,p-DDE	4.257	6564	3.866	o,p-DDE
4.265	29083	4.015	o,p-DDT	4.725	62748	4.277	o,p-DDT
4.323	4937969	28.375	4,4'-DDD	4.772	3776944	34.321	4,4'-DDD
4.404	4937759	27.887	Endosulfan II	4.847	3751153	32.722	Endosulfan II
4.485	3584299	28.695	4,4'-DDT	4.938	3086983	30.171	4,4'-DDT
4.537	4314730	28.961	Endrin aldehyde	4.906	2907967	31.025	Endrin aldehyde
4.652	4440384	29.879	Endo. sulfate	5.055	3421298	32.233	Endo. sulfate
4.857	9040263	148.781	Methoxychlor	5.159	8027059	180.725	Methoxychlor
4.974	5557843	31.863	Endrin ketone	5.275	3927913	33.929	Endrin ketone
5.067	912	.023	Mirex		0		Mirex
5.515	10233540	81.087	DCB	6.077	4024822	73.889	DCB

Files:

Area File: 35pest18271025.015.RAW
 Area File: 35pest18271025B.015.RAW
 Method A: 35PESTD.MET
 Method B: 35PESTDDB.MET
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 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
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MIXA51824B

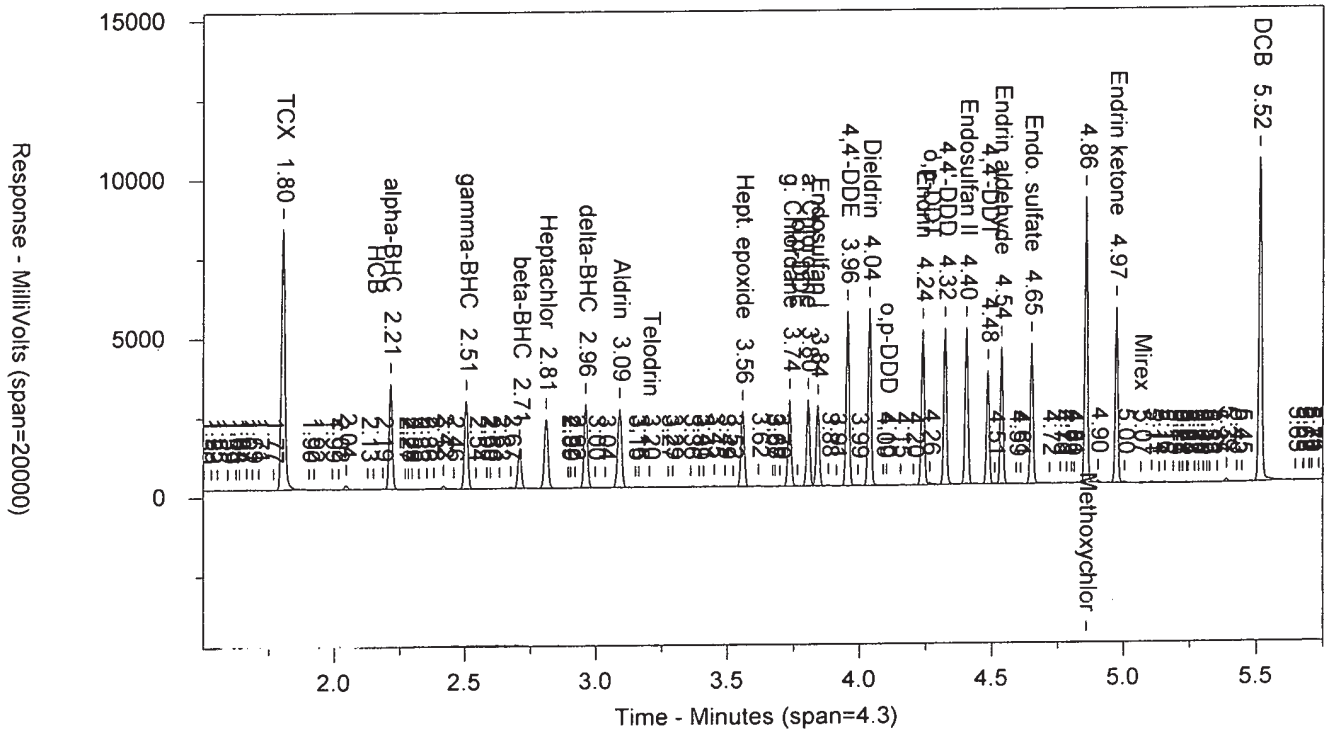
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ICAL 1831599999

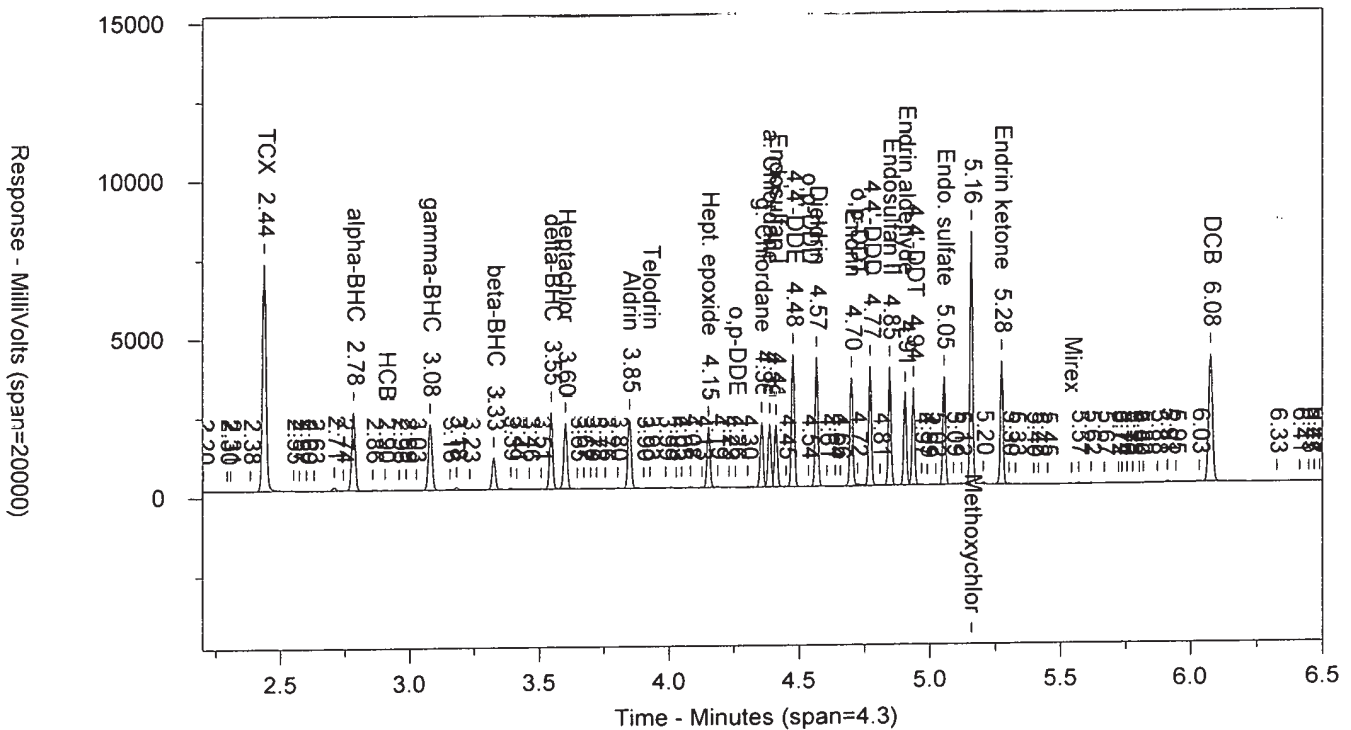
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SW-846 8081A

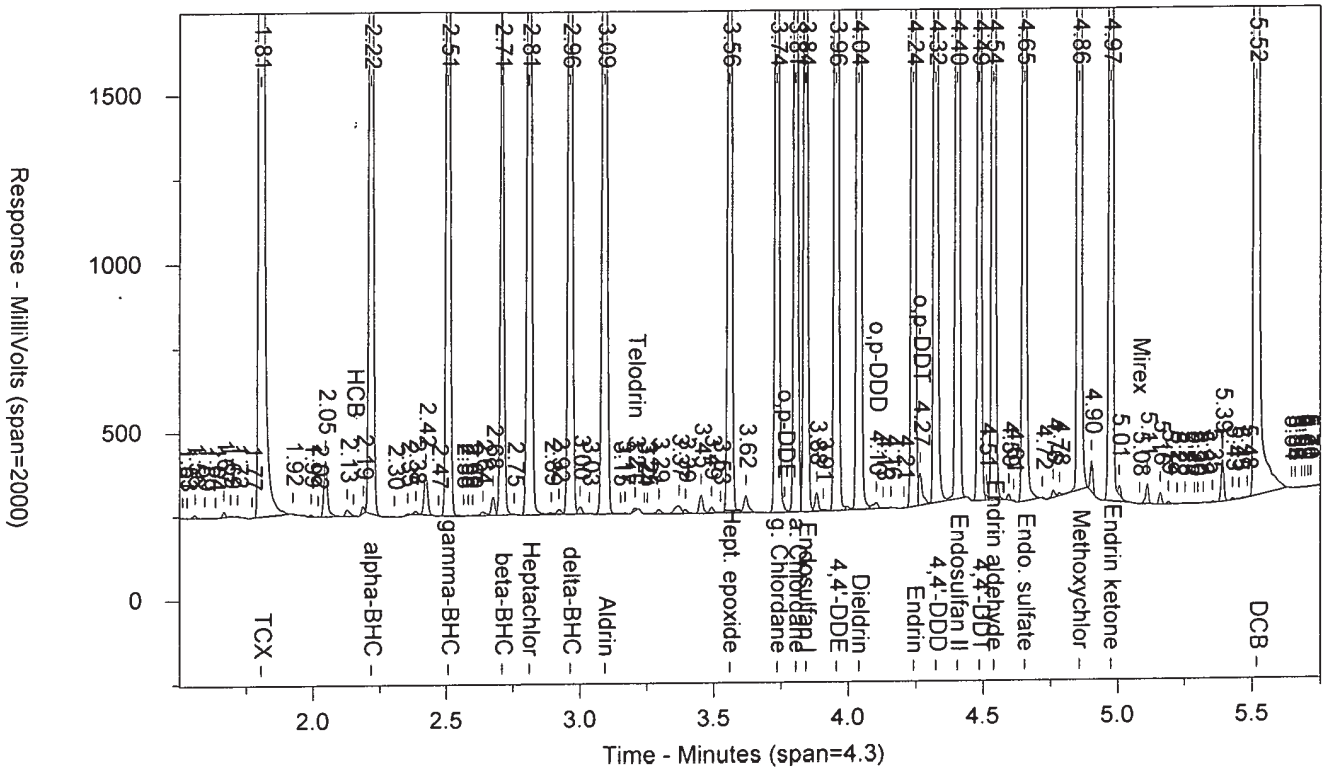
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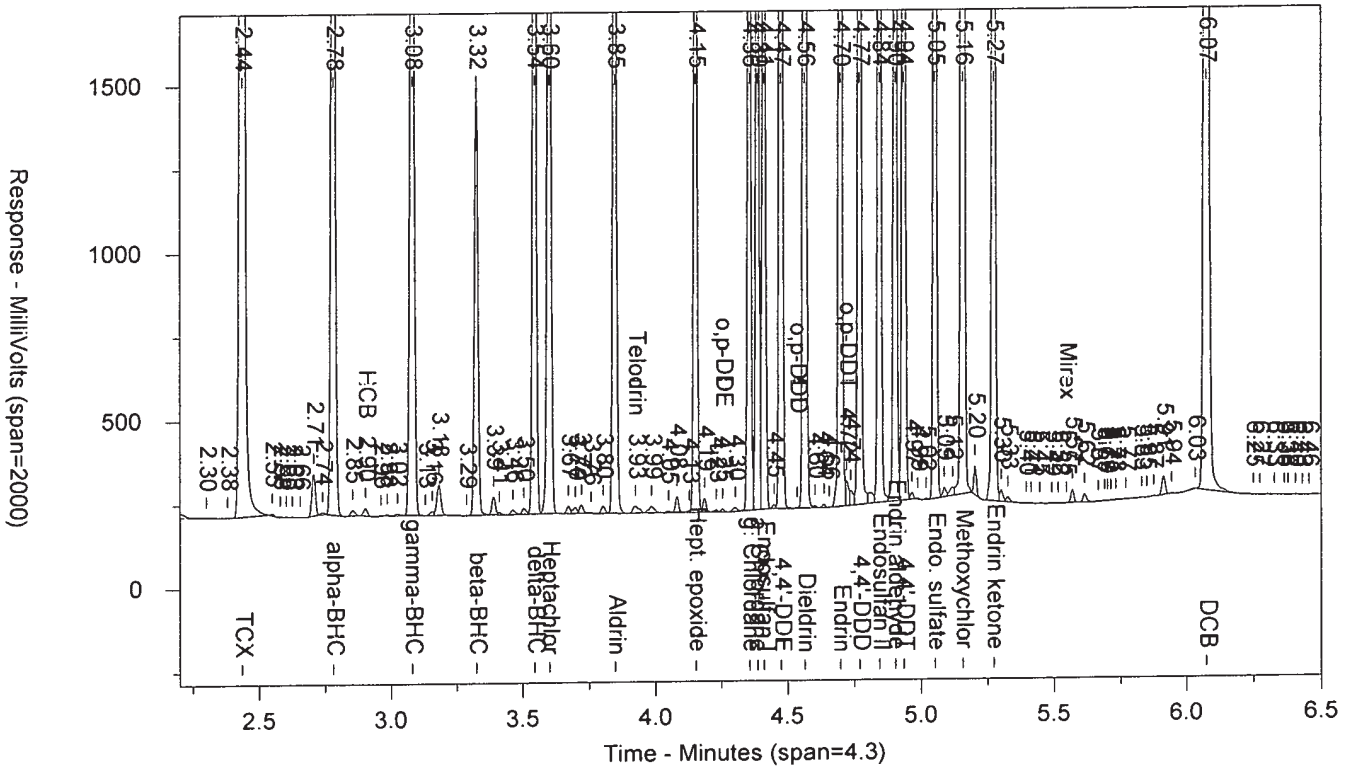
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MIXA61824B AAMIXA6AA ICAL 183159999 00177 SW-846 8081A
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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: MIXA61824B AAMIXA6AA ICAL 1831599999 00177 SW-846 8081A
 Injected On: 11/12/2018 7:21:10 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.806	11210790	76.677	TCX	2.436	9346251	76.12	TCX
2.216	4334567	19.244	alpha-BHC	2.781	3287809	19.538	alpha-BHC
2.507	3699231	19.324	gamma-BHC	3.079	2699868	18.739	gamma-BHC
2.709	1597021	18.292	beta-BHC	3.324	1287063	18.489	beta-BHC
2.811	2980811	19.389	Heptachlor	3.6	2621981	18.419	Heptachlor
	0		HCB	2.903	22667	3.194	HCB
2.963	3468825	19.025	delta-BHC	3.545	3054593	18.329	delta-BHC
3.092	3297924	19.123	Aldrin	3.848	2926472	19.485	Aldrin
3.205	8583	3.088	Telodrin	3.926	21117	3.212	Telodrin
3.56	3256090	19.128	Hept. epoxide	4.152	2541803	18.938	Hept. epoxide
3.736	3601205	19.19	g. Chlordane	4.356	2774381	20.037	g. Chlordane
3.806	3568006	18.873	a. Chlordane	4.387	2700996	19.992	a. Chlordane
3.842	3383331	19.13	Endosulfan I	4.41	2522817	19.651	Endosulfan I
3.956	7295597	38.488	4,4'-DDE	4.475	5863141	39.748	4,4'-DDE
4.039	7447741	38.39	Dieldrin	4.564	5366786	40.068	Dieldrin
4.104	18593	6.24	o,p-DDD		0		o,p-DDD
4.241	6575689	38.053	Endrin	4.698	4805579	41.326	Endrin
	0		o,p-DDE	4.255	8278	6.182	o,p-DDE
4.266	96026	6.836	o,p-DDT	4.722	74972	6.728	o,p-DDT
4.324	6812531	38.633	4,4'-DDD	4.77	5146959	45.315	4,4'-DDD
4.405	6753577	38.497	Endosulfan II	4.845	4909138	41.956	Endosulfan II
4.486	5102032	41.842	4,4'-DDT	4.936	4382340	42.735	4,4'-DDT
4.539	5670202	38.044	Endrin aldehyde	4.904	4105419	43.468	Endrin aldehyde
4.653	6279567	42.304	Endo. sulfate	5.053	4706676	43.438	Endo. sulfate
4.858	13372230	219.469	Methoxychlor	5.157	11200580	237.356	Methoxychlor
4.974	7426135	41.934	Endrin ketone	5.273	5467242	45.991	Endrin ketone
5.08	1048	.052	Mirex	5.547	589	15.223	Mirex
5.516	13545220	96.73	DCB	6.074	5586147	95.498	DCB

Files:

Area File: 35pest18271025.016.RAW
 Area File: 35pest18271025B.016.RAW
 Method A: 35PESTD.MET
 Method B: 35PESTD.B.MET
 Calibration File A: 35pest1827109.CAL
 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
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MIXA61824B

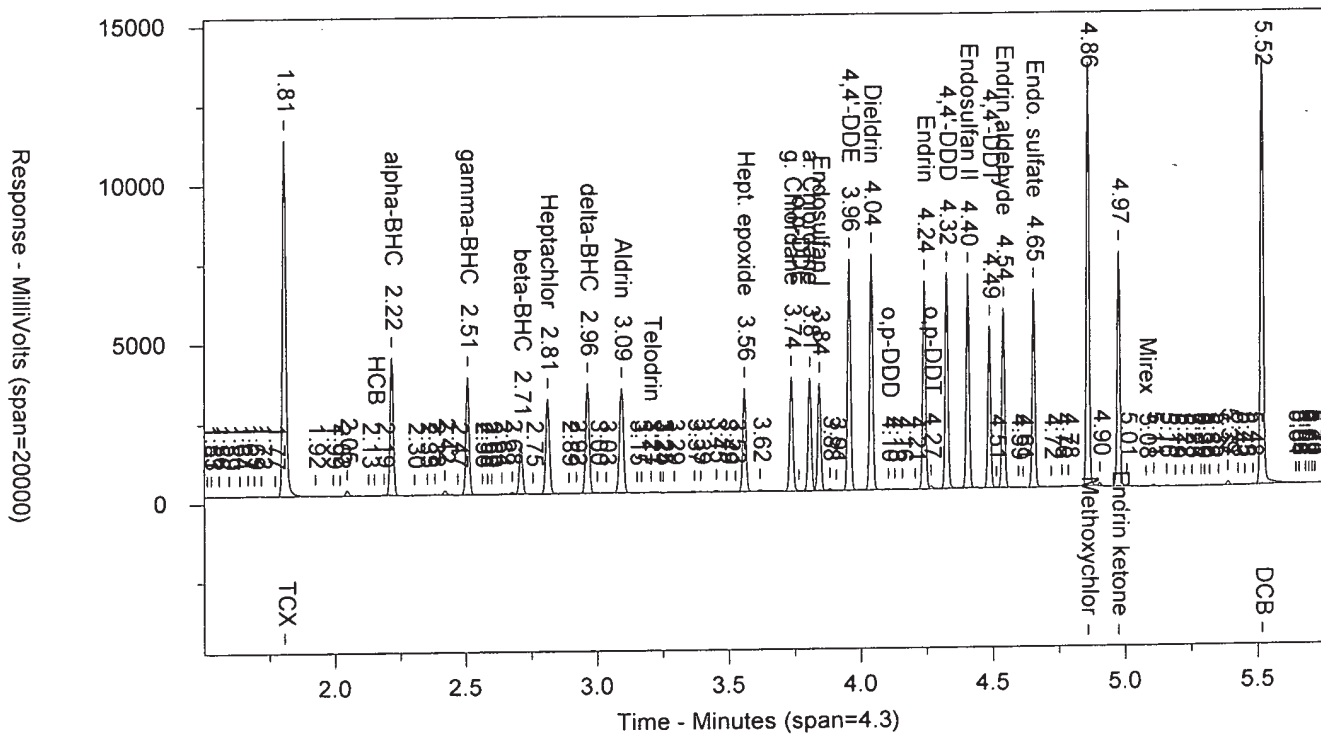
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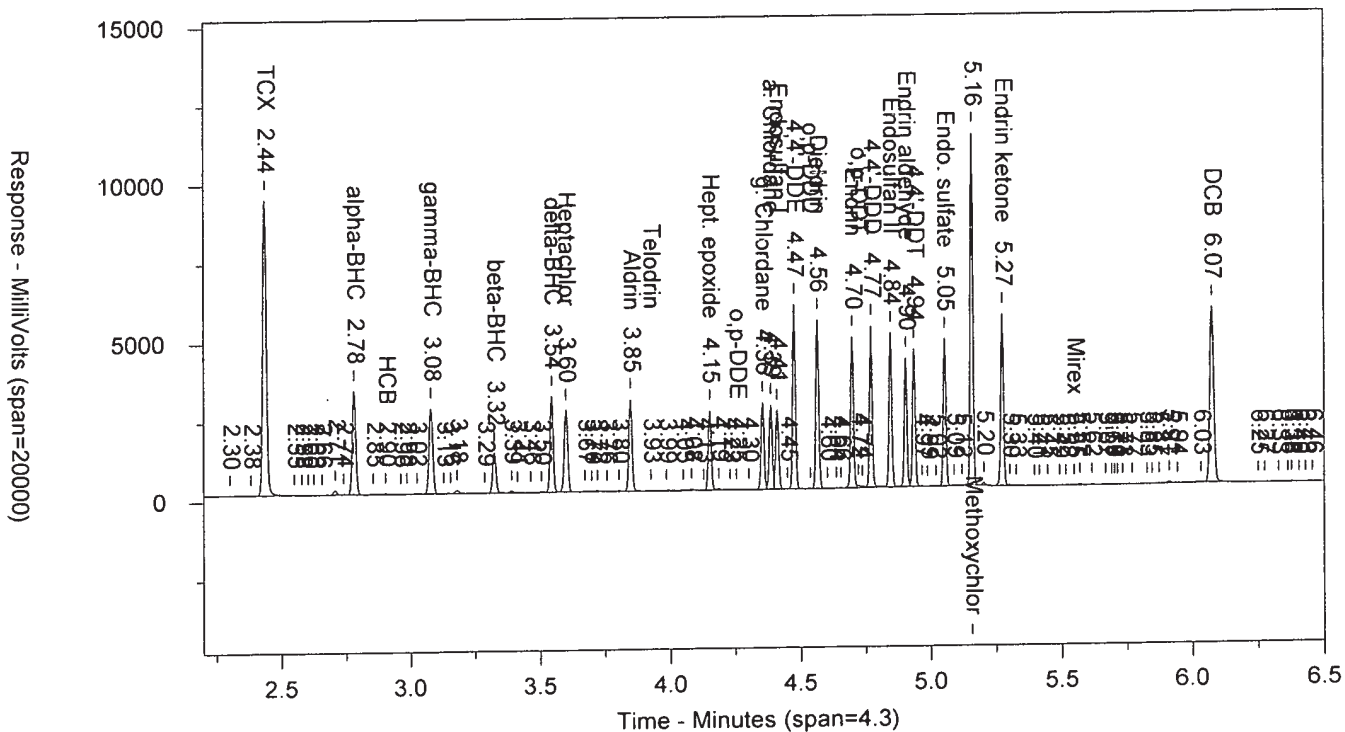
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SW-846 8081A

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ICMAX1824C

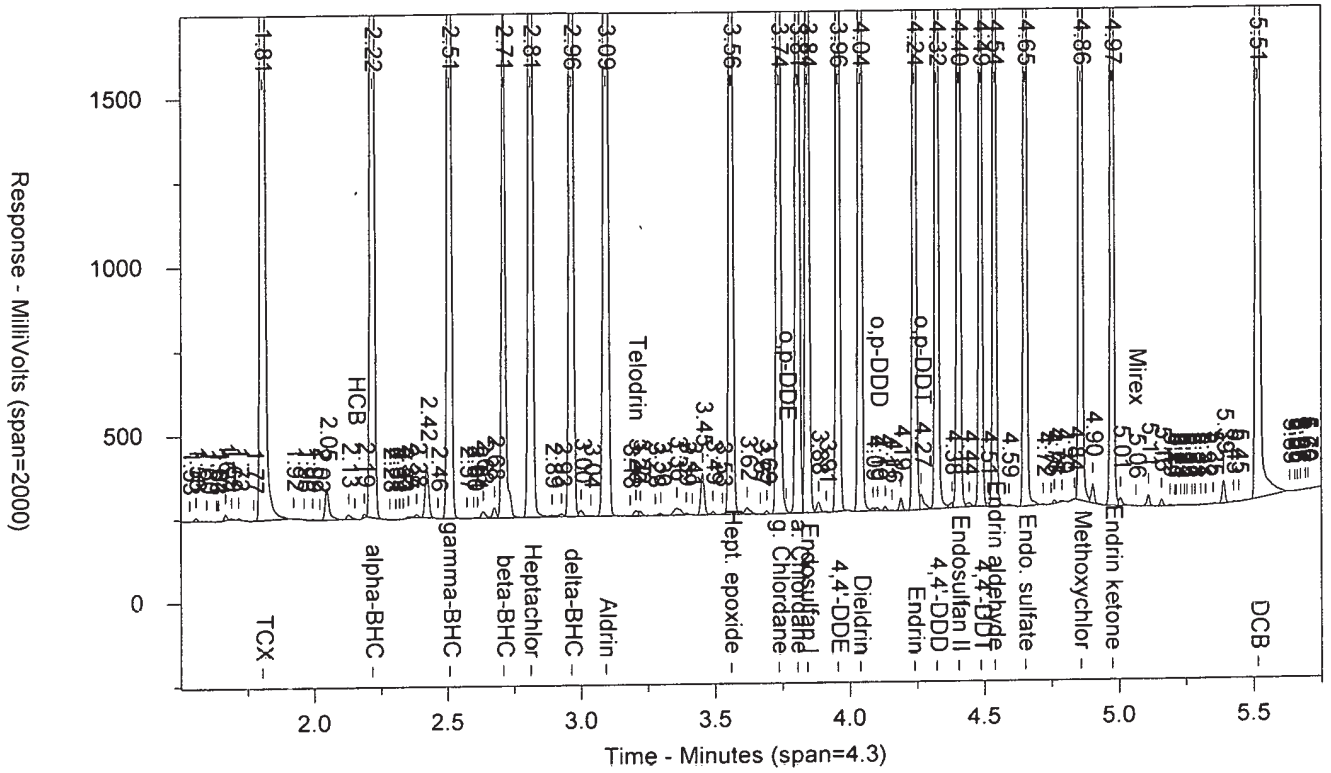
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CCAL 183159999

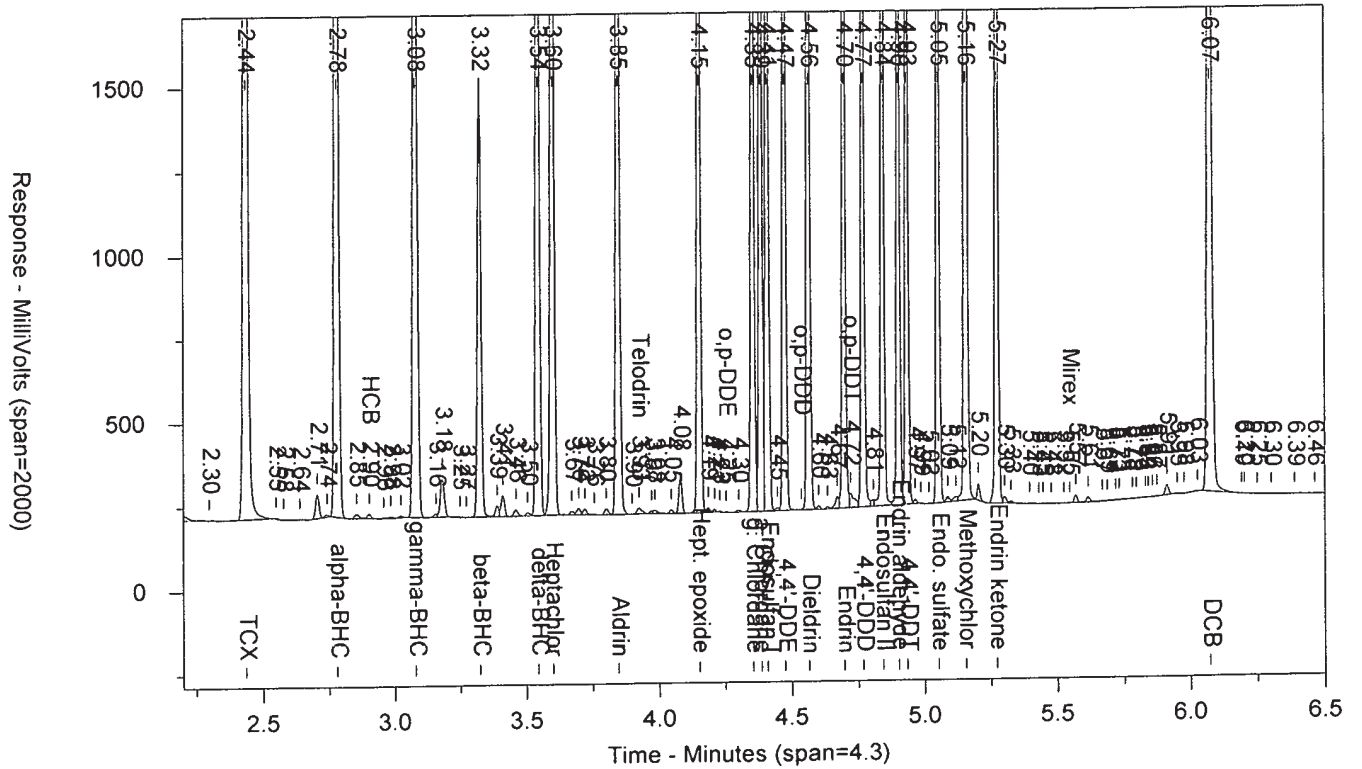
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: ICMAX1824C AAICMAXAA CCAL 1831599999 00177 SW-846 8081A
 Injected On: 11/12/2018 7:31:35 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.805	6120775	41.994	TCX	2.436	5133376	42.006	TCX
2.216	4495048	20.327	alpha-BHC	2.781	3333872	20.036	alpha-BHC
2.507	3784449	20.192	gamma-BHC	3.079	2821815	19.916	gamma-BHC
2.71	1578012	18.443	beta-BHC	3.324	1311509	20.17	beta-BHC
2.811	2973848	19.949	Heptachlor	3.6	2744432	20.704	Heptachlor
	0		HCB	2.903	12477	9.072	HCB
2.962	3530474	19.849	delta-BHC	3.544	3233078	19.932	delta-BHC
3.092	3281277	19.392	Aldrin	3.817	2869670	19.821	Aldrin
3.204	16496	30.907	Telodrin	3.926	17764	14.259	Telodrin
3.559	3146648	18.829	Hept. epoxide	4.152	2494990	19.612	Hept. epoxide
3.736	3631731	19.583	g. Chlordane	4.355	2784304	20.272	g. Chlordane
3.806	3622258	19.391	a. Chlordane	4.386	2665311	19.952	a. Chlordane
3.842	3368432	19.31	Endosulfan I	4.41	2618346	20.654	Endosulfan I
3.956	3822073	20.197	4,4'-DDE	4.475	2950510	19.875	4,4'-DDE
4.038	3731390	19.49	Dieldrin	4.564	2677025	19.789	Dieldrin
4.104	9471	15.756	o,p-DDD		0		o,p-DDD
4.24	3642012	21.372	Endrin	4.698	2567838	21.761	Endrin
	0		o,p-DDE	4.253	3150	10.721	o,p-DDE
4.265	46529	20.528	o,p-DDT	4.721	42750	16.686	o,p-DDT
4.324	3583854	20.039	4,4'-DDD	4.769	2609524	20.434	4,4'-DDD
4.405	3585743	20.415	Endosulfan II	4.844	2588336	20.961	Endosulfan II
4.486	2752805	23.014	4,4'-DDT	4.935	2347370	22.092	4,4'-DDT
4.538	2972663	19.945	Endrin aldehyde	4.903	2000618	19.939	Endrin aldehyde
4.653	3028084	19.934	Endo. sulfate	5.053	2431660	20.911	Endo. sulfate
4.858	6641637	105.167	Methoxychlor	5.156	5659875	103.475	Methoxychlor
4.974	3793026	20.414	Endrin ketone	5.272	2668623	19.817	Endrin ketone
5.062	805	10.077	Mirex	5.545	533	72.997	Mirex
5.515	7598326	45.312	DCB	6.073	3024863	43.923	DCB

Files:

Area File: 35pest18271025.017.RAW
 Area File: 35pest18271025B.017.RAW
 Method A: 35PESTD.MET
 Method B: 35PESTD.MET
 Calibration File A: 35pest1827109.CAL
 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
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ICMAX1824C

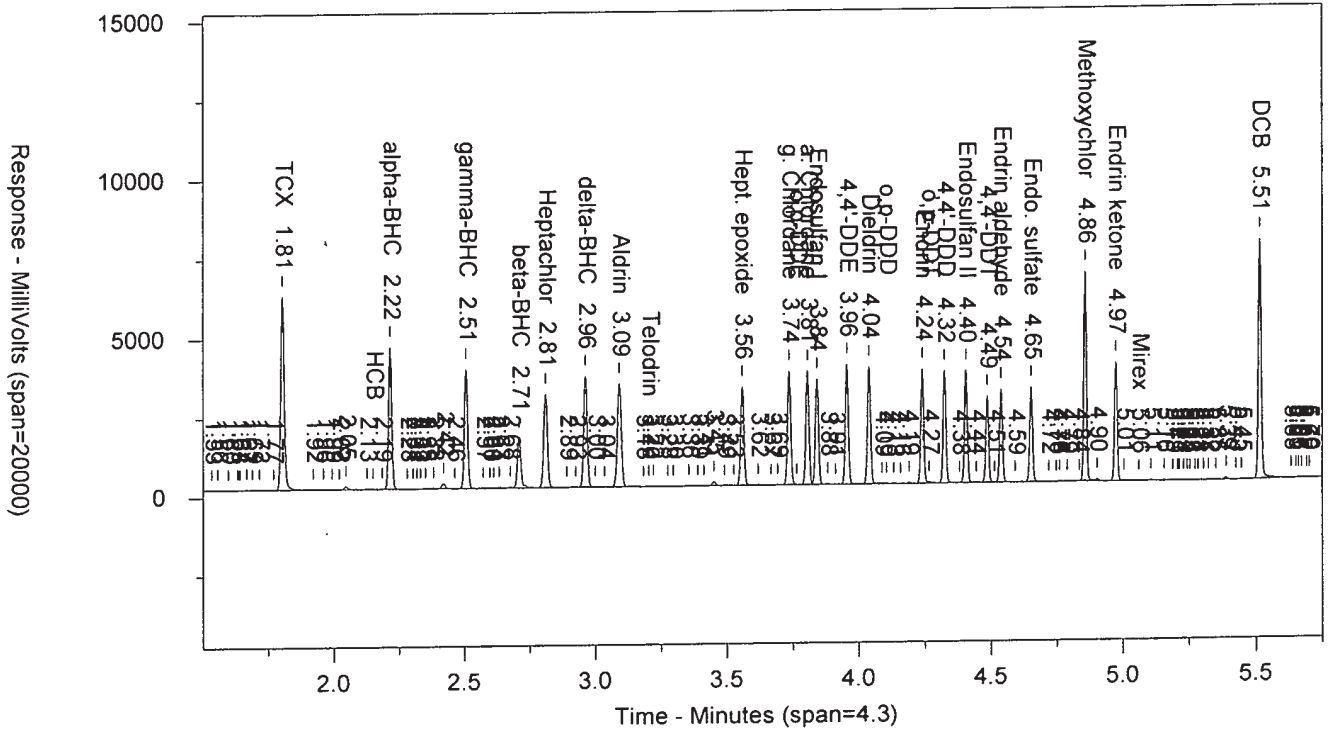
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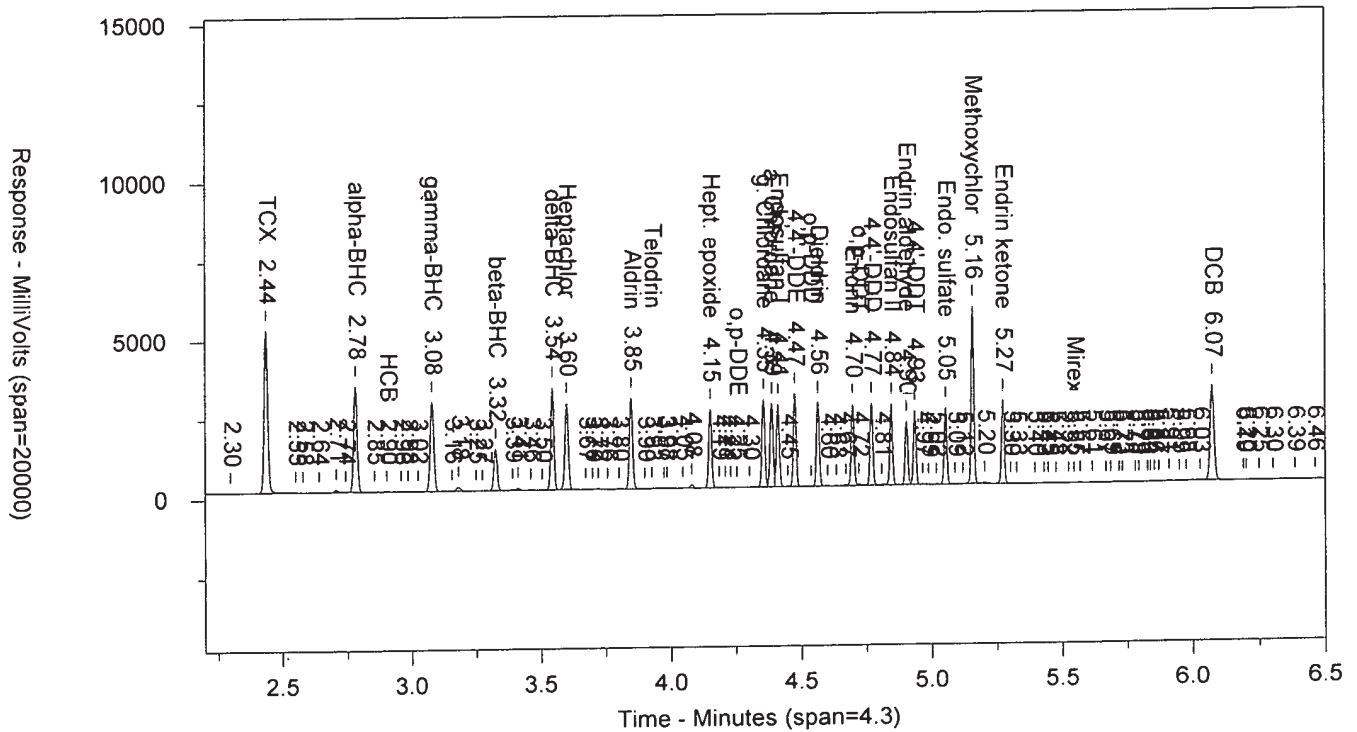
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SW-846 8081.

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MDLAX1824D

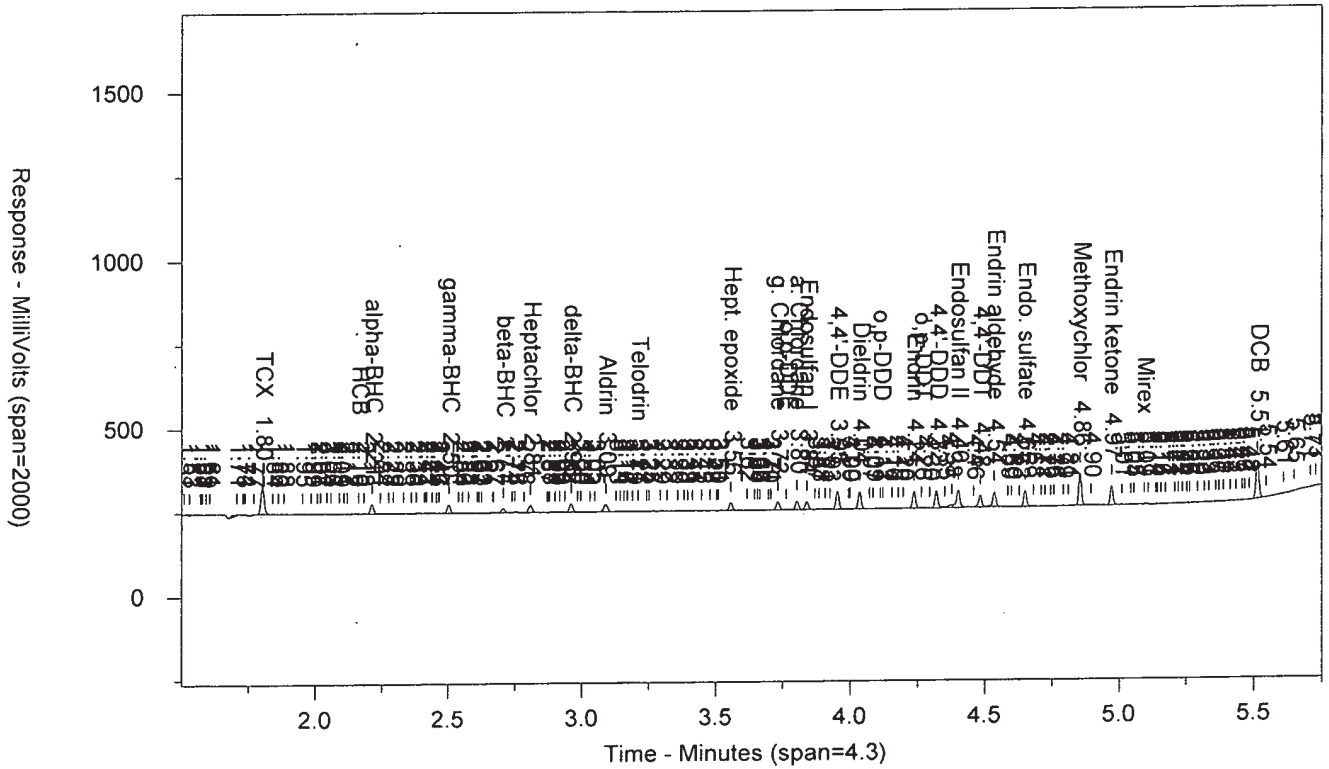
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ICAL 1831599999

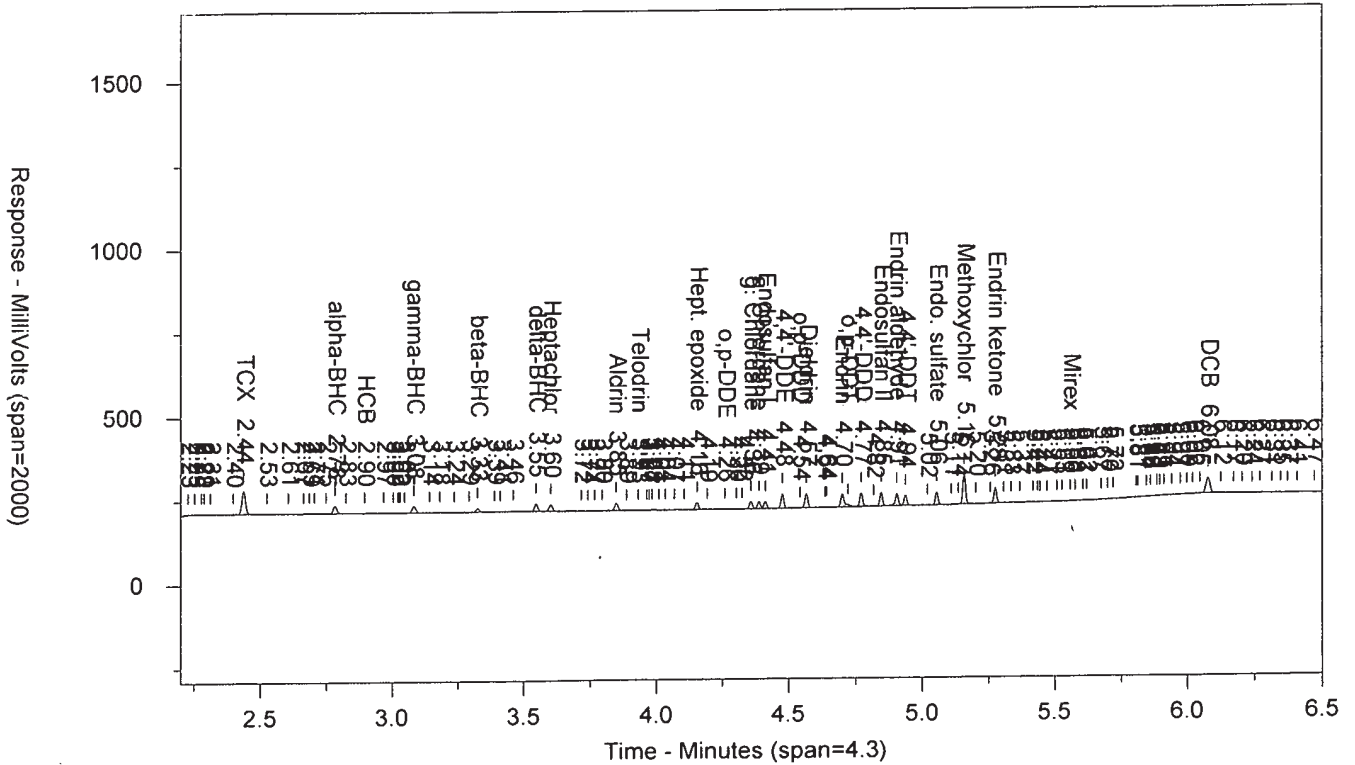
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SW-846 8081A

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: MDLAX1824D AAMD LAXAA ICAL 183159999 00177 SW-846 8081A
 Injected On: 11/12/2018 7:42:08 PM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

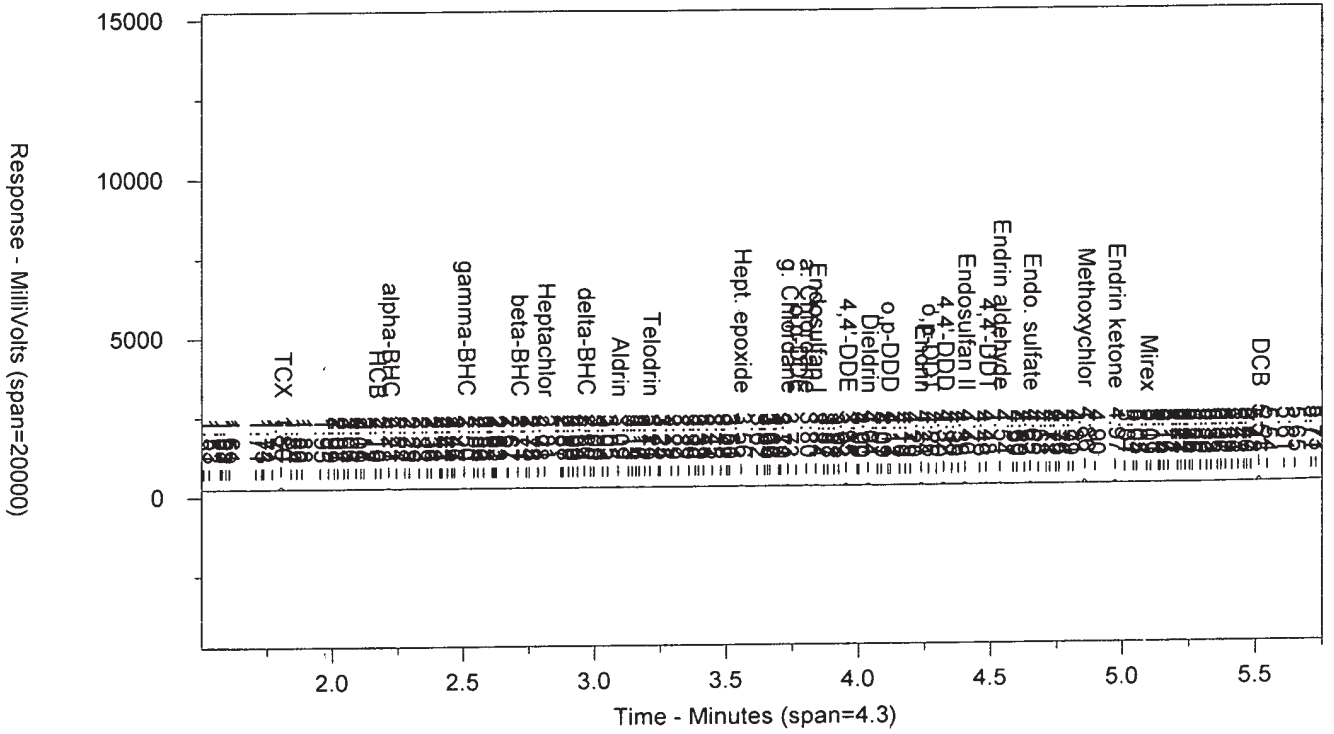
RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.803	81469	.559	TCX	2.439	69875	.572	TCX
2.164	815	-13.391	TCB	2.895	654	-1.083	TCB
2.213	28866	.131	alpha-BHC	2.784	22394	.135	alpha-BHC
2.504	25554	.136	gamma-BHC	3.083	19544	.138	gamma-BHC
2.708	12268	.143	beta-BHC	3.327	10555	-.067	beta-BHC
2.808	20792	.139	Heptachlor	3.602	19627	-.01	Heptachlor
2.96	25505	.143	delta-BHC	3.547	22864	.141	delta-BHC
3.089	22188	.131	Aldrin	3.85	22416	.117	Aldrin
3.21	818	-6.207	Telodrin	3.932	670	-1.595	Telodrin
3.556	23333	.14	Hept. epoxide	4.155	21108	-.082	Hept. epoxide
3.733	24761	.134	g. Chlordane	4.358	21963	.046	g. Chlordane
3.803	26222	.14	a. Chlordane	4.389	21906	-.027	a. Chlordane
3.839	23783	.136	Endosulfan I	4.412	20917	-.009	Endosulfan I
3.953	53689	.284	4,4'-DDE	4.477	43958	.296	4,4'-DDE
4.036	51201	.267	Dieldrin	4.567	43306	.012	Dieldrin
4.113	590	-4.364	o,p-DDU	4.543	528	28.844	o,p-DDD
4.238	50070	.294	Endrin	4.701	39408	.163	Endrin
4.265	0		o,p-DDE	4.259	612	-1.451	o,p-DDE
4.265	1002	-.188	o,p-DDT		0		o,p-DDT
4.322	51193	.286	4,4'-DDD	4.772	41221	.071	4,4'-DDD
4.402	51911	.296	Endosulfan II	4.847	40981	.072	Endosulfan II
4.483	35984	.301	4,4'-DDT	4.938	30990	.563	4,4'-DDT
4.536	44796	.301	Endrin aldehyde	4.906	36861	.183	Endrin aldehyde
4.65	47865	.397	Endo. sulfate	5.055	39163	.107	Endo. sulfate
4.856	95601	4.255	Methoxychlor	5.159	88958	1.857	Methoxychlor
4.972	57435	.126	Endrin ketone	5.275	47020	.108	Endrin ketone
5.094	514	6.437	Mirex	5.559	1216	61.332	Mirex
5.513	106321	.859	DCB	6.078	45922	.264	DCB

Files:

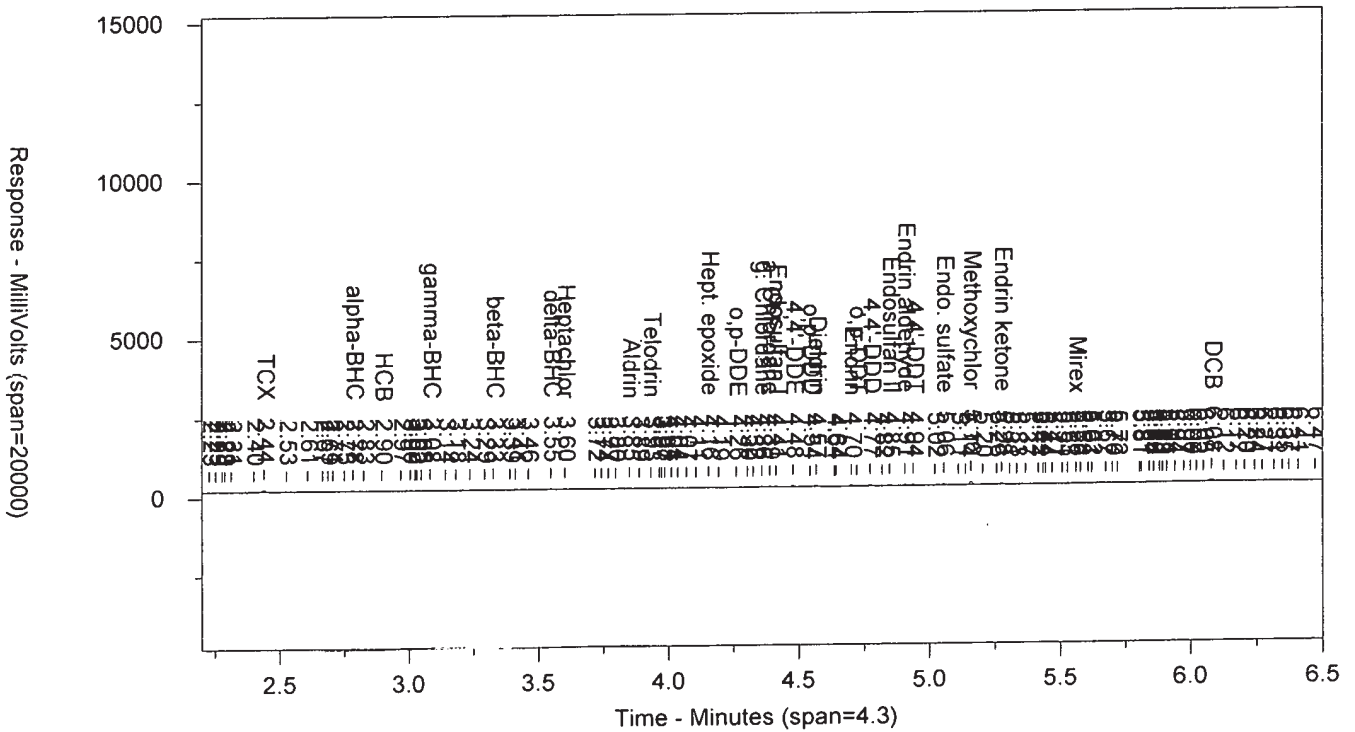
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 Calibration File B: 35pest1827109B.CAL
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MDLAX1824D AAMD LAXAA ICAL 1831599999 00177 SW-846 8081

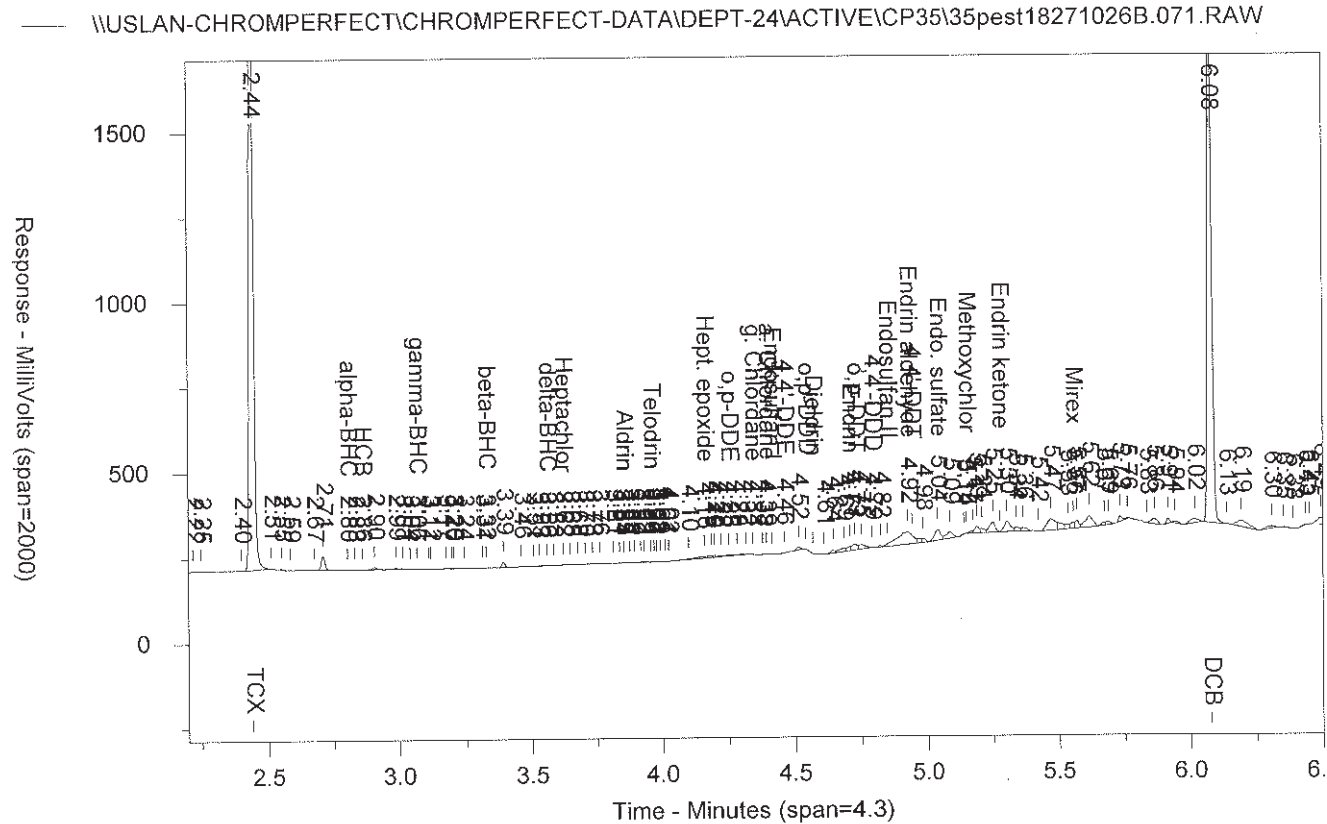
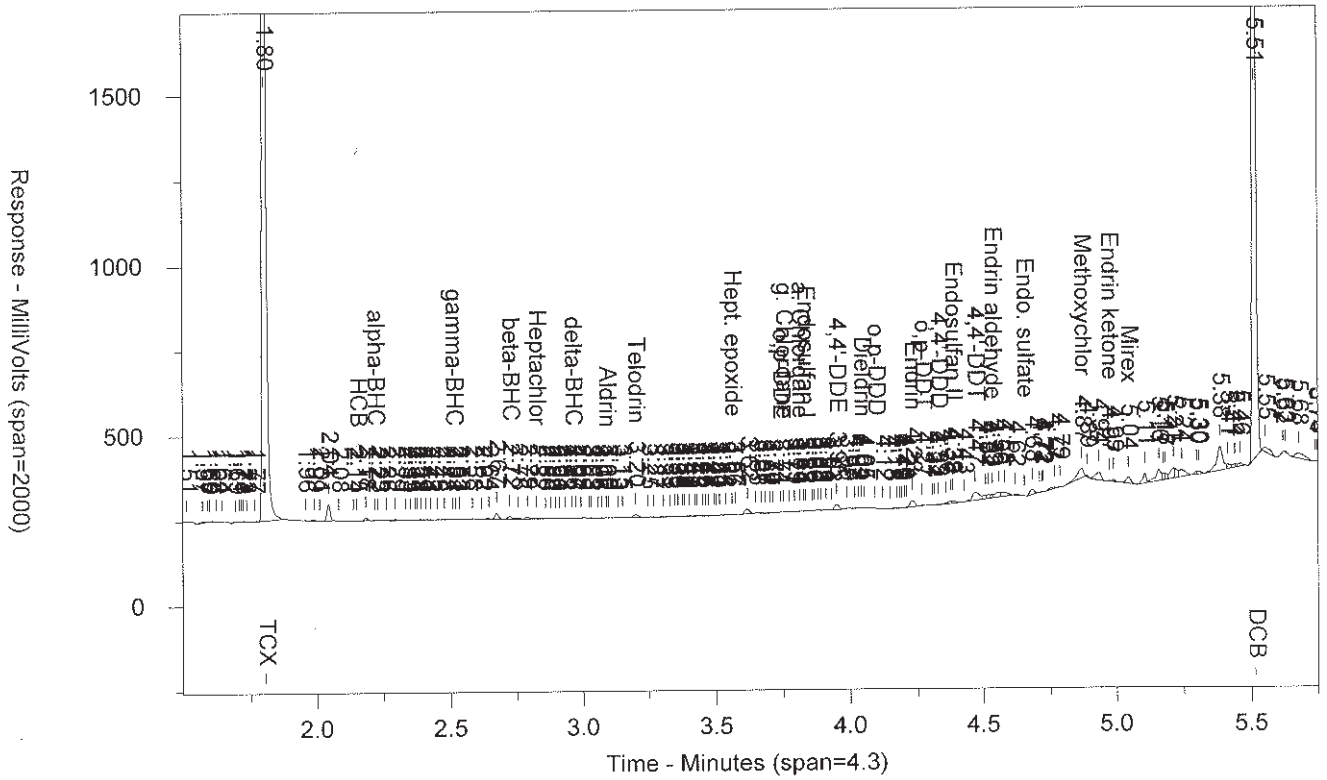
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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: IBLKX1824B SSIPIBLKSS PIBLK1831699999 00177 SW-846 8081A
 Injected On: 11/14/2018 2:37:14 AM Sample Weight: 1000
 Instrument ID: CP35-24952 Dilution Factor: 10
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

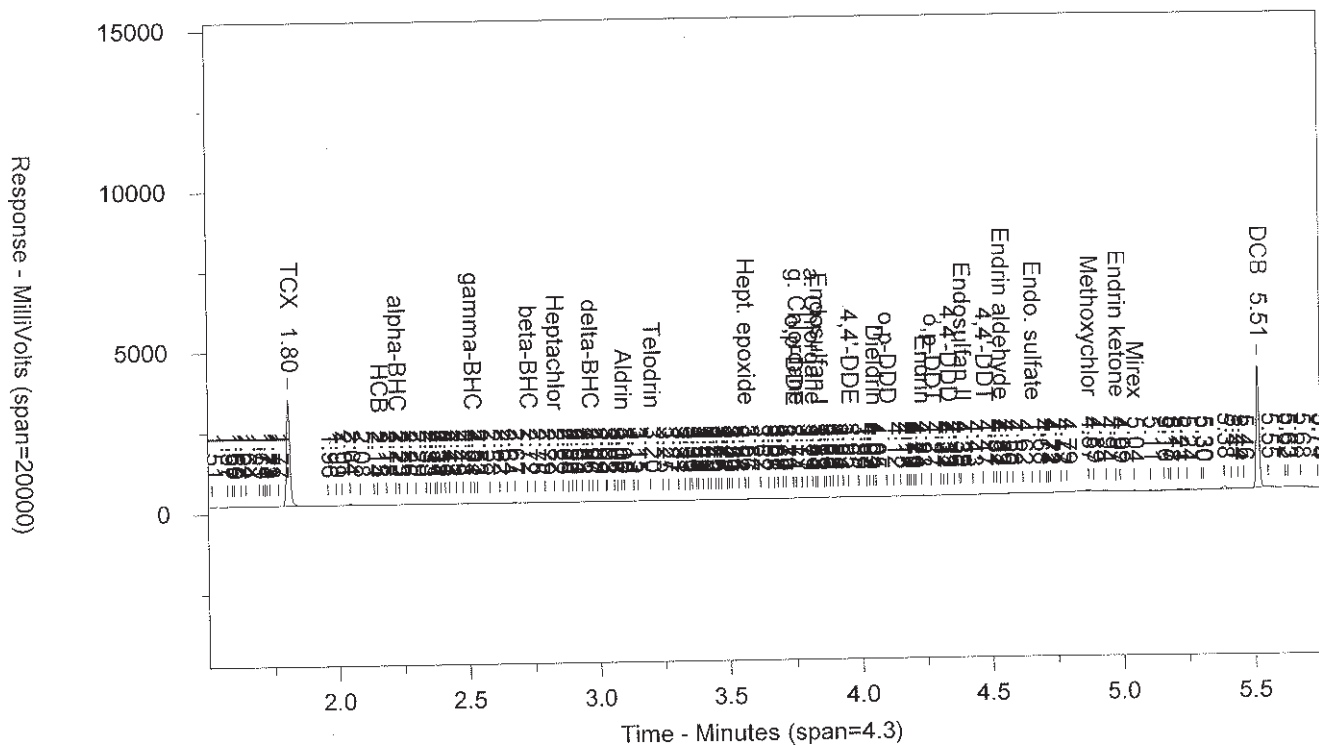
Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.803	3296832	.226	TCX	2.437	2683578	.22	TCX
2.15	968	-.001	HCB	2.857	490	-.002	HCB
2.219	1166		alpha-BHC	2.801	1148		alpha-BHC
2.509	1280		gamma-BHC	3.065	653		gamma-BHC
2.722	7866	-.001	beta-BHC	3.324	498	-.002	beta-BHC
2.824	2129		Heptachlor	3.619	488		Heptachlor
2.959	779		delta-BHC	3.556	751		delta-BHC
3.088	1088		Aldrin	3.852	403		Aldrin
3.199	8427	-.001	Telodrin	3.957	602	-.002	Telodrin
3.56	706		Hept. epoxide	4.158	5097	-.002	Hept. epoxide
3.739	801	-.005	o,p-DDE	4.251	3160	-.005	o,p-DDE
3.812	968		a. Chlordane	4.392	793	-.002	a. Chlordane
3.833	814		Endosulfan I		0		Endosulfan I
3.95	14539	.001	4,4'-DDE	4.459	1049		4,4'-DDE
4.042	1257		Dieldrin		0		Dieldrin
4.23	18167	.001	Endrin	4.709	12383	-.001	Endrin
4.267	2425	-.003	o,p-DDT	4.726	16875	-.003	o,p-DDT
4.33	1031	-.003	4,4'-DDD	4.791	513	-.003	4,4'-DDD
	0		g. Chlordane	4.34	1224	-.001	g. Chlordane
4.386	7108		Endosulfan II		0		Endosulfan II
4.469	22844	.002	4,4'-DDT		0		4,4'-DDT
4.533	10624	.001	Endrin aldehyde	4.922	36979	.002	Endrin aldehyde
4.869	26307	.032	Methoxychlor	5.151	1540		Methoxychlor
4.974	1688	-.002	Endrin ketone		0		Endrin ketone
	0		Endo. sulfate	5.038	32155		Endo. sulfate
5.044	17450	.001	Mirex	5.555	17645	-.015	Mirex
5.513	3791502	.227	DCB	6.075	1639778	.236	DCB

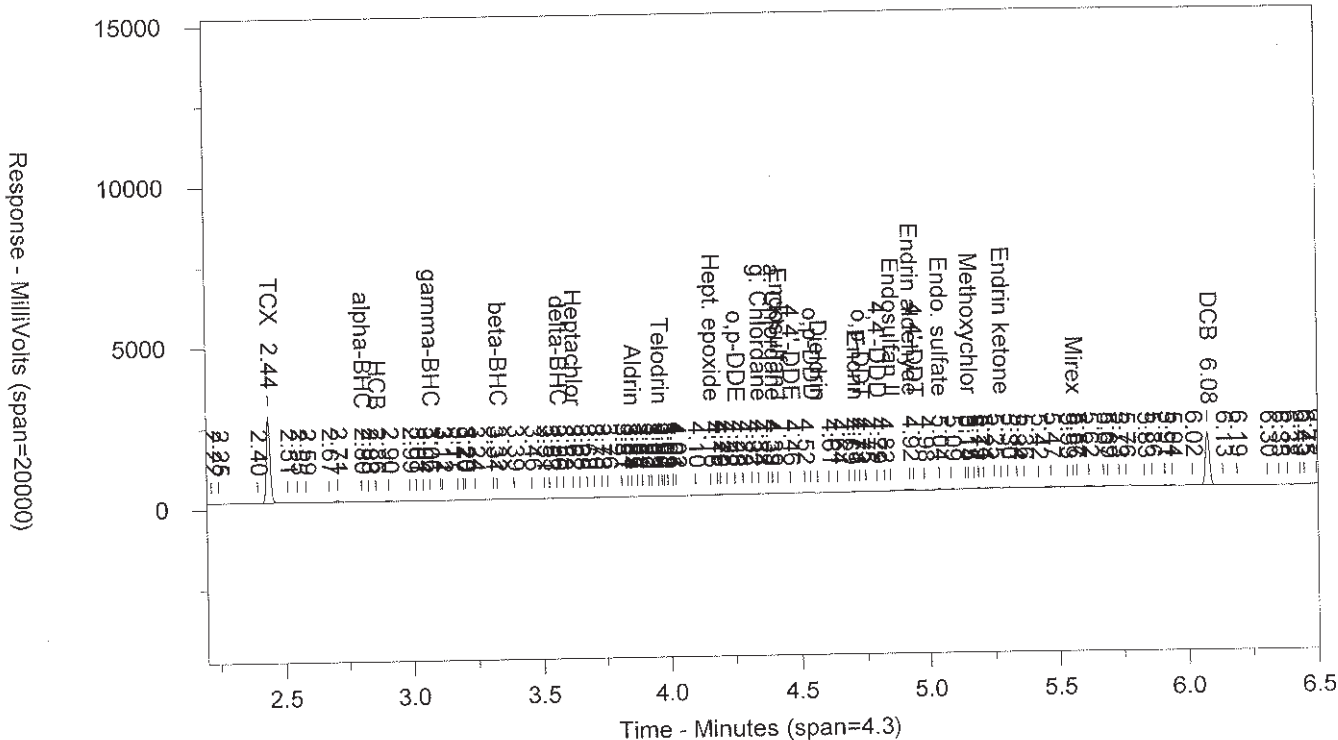
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 Area File: 35pest18271026B.071.RAW
 Method A: 35PESTD.MET
 Method B: 35PESTD.MET
 Calibration File A: 35pest1827109.CAL
 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 11/14/2018 2:44:36 AM
 File Reported On: 11/14/2018 at 8:53:06 AM

IBLKX1824B SSIIBLKSS PIBLK183169999 00177 SW-846 8081A

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MIXA31824B

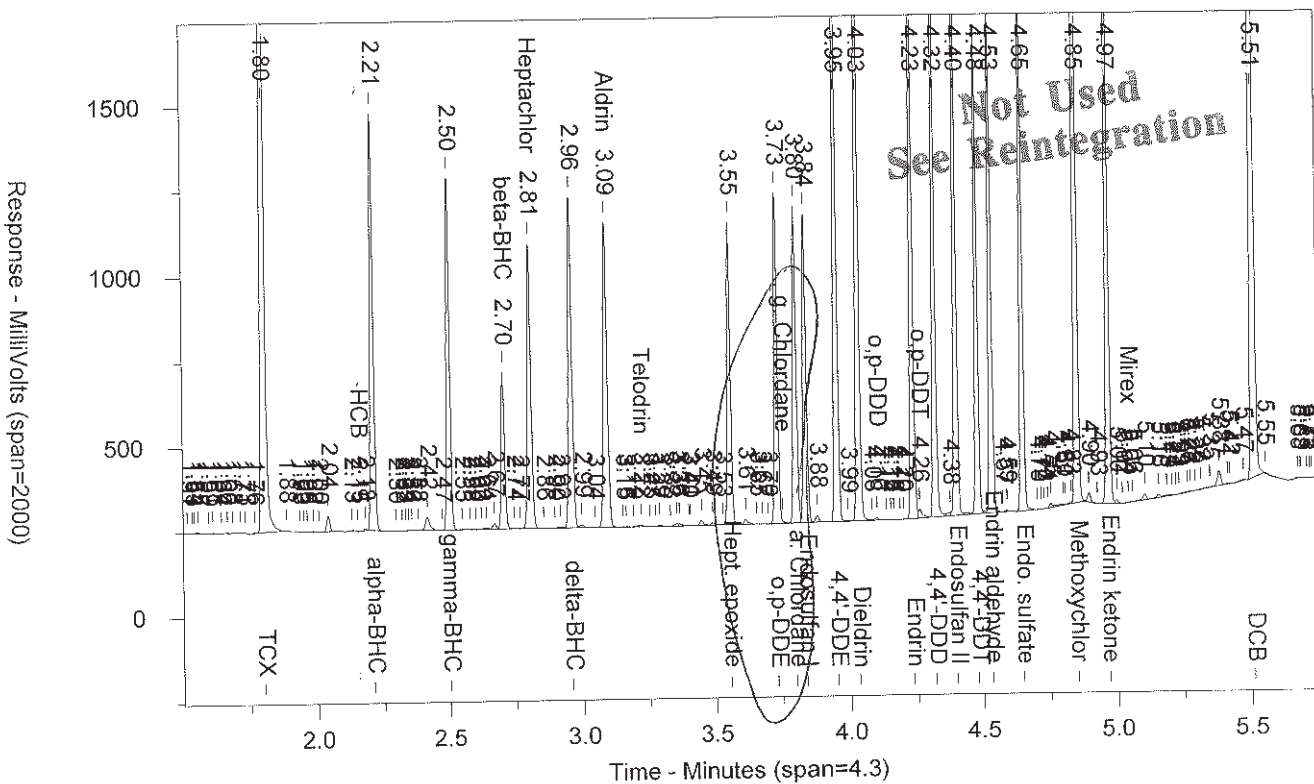
EWMIXA3EW

CCAL 183169999

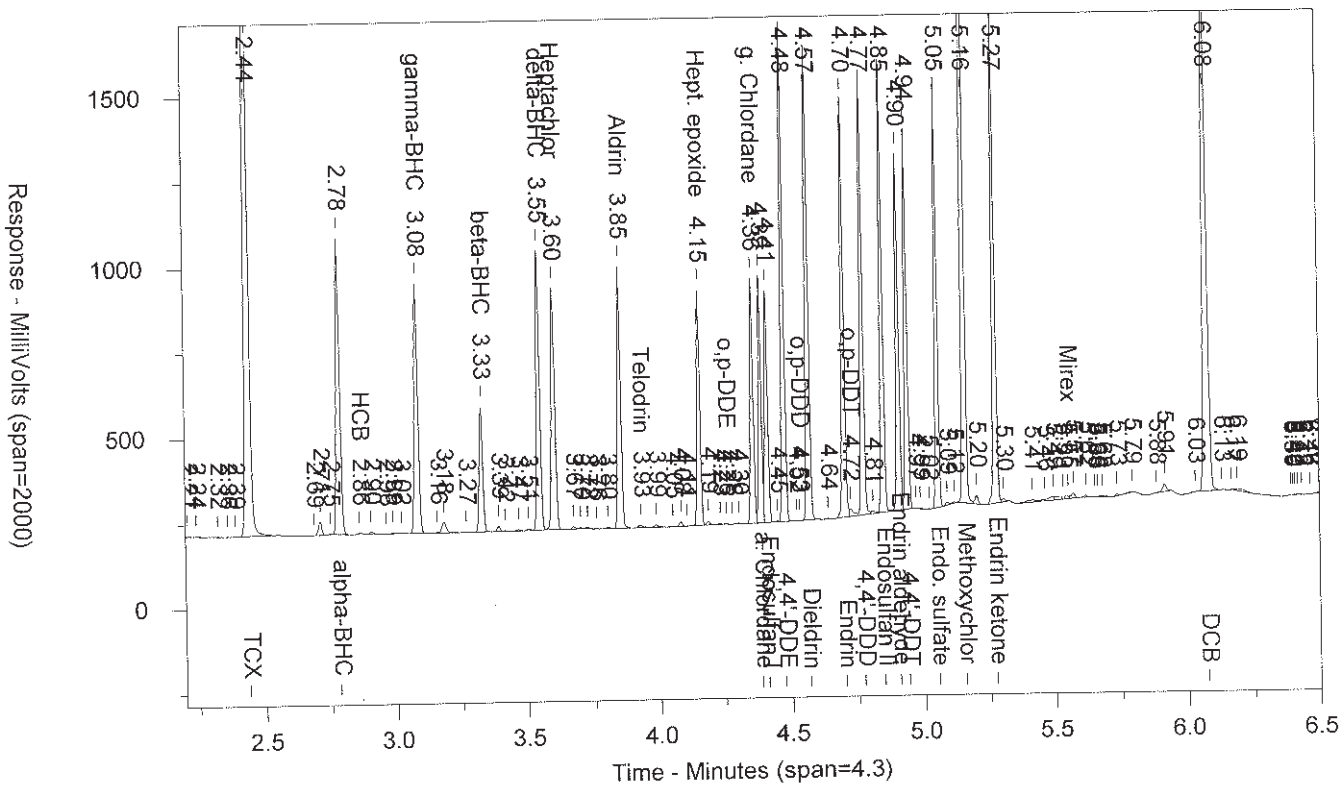
00177

SW-846 8081A

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LANCASTER LABORATORIES

Sample Number: MIXA31824B EWMIXA3EW CCAL 183169999 00177 SW-846 8081A
 Injected On: 11/14/2018 2:47:40 AM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Not Used
See Reintegration

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

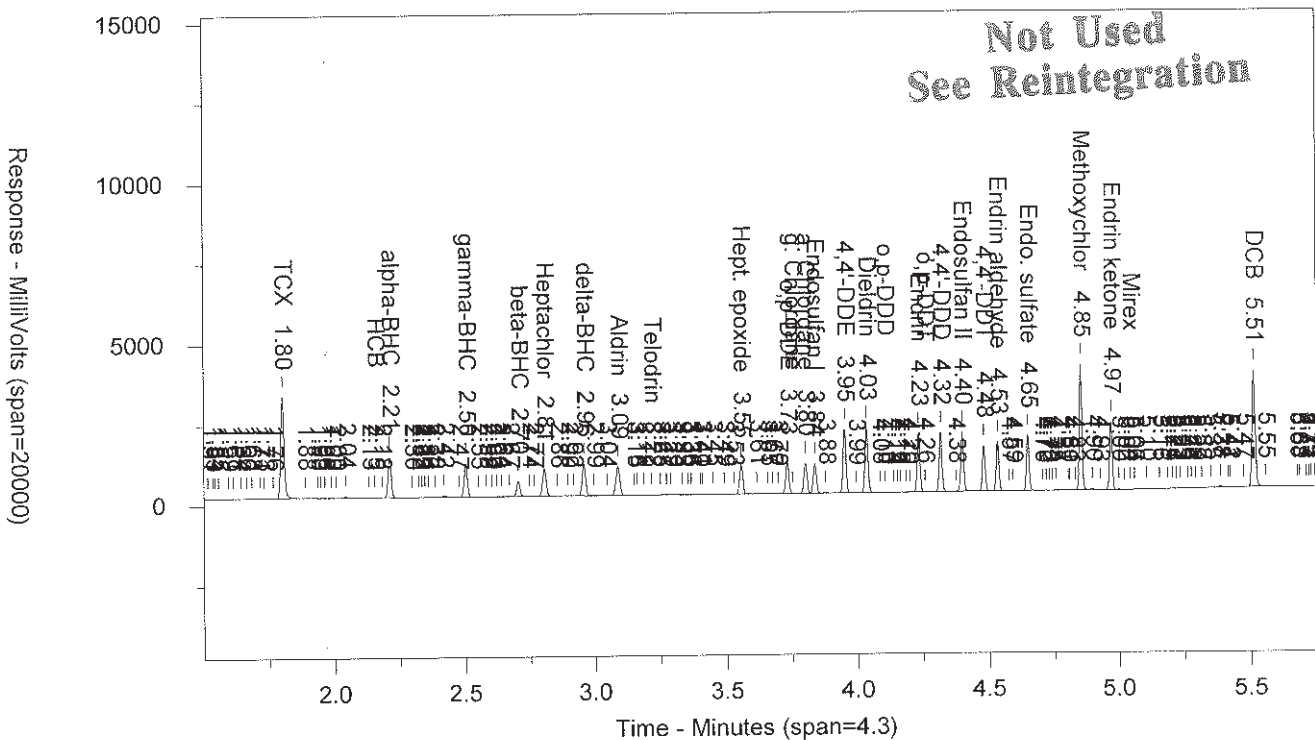
RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.8	3162399	21.697	TCX	2.437	2605834	21.323	TCX
2.152	930	-.146	HCB	2.858	819	-.187	HCB
2.21	1226716	5.547	alpha-BHC	2.781	868780	5.221	alpha-BHC
2.501	1036949	5.533	gamma-BHC	3.08	731785	5.165	gamma-BHC
2.704	461945	5.675	beta-BHC	3.326	365195	5.45	beta-BHC
2.805	836493	5.611	Heptachlor	3.6	708759	5.026	Heptachlor
2.957	973709	5.474	delta-BHC	3.546	821723	5.066	delta-BHC
3.086	898822	5.312	Aldrin	3.849	769476	5.058	Aldrin
3.216	5617	-.098	Telodrin	3.928	7276	-.15	Telodrin
3.554	890146	5.326	Hept. epoxide	4.154	691079	5.252	Hept. epoxide
3.731	974405	7.863	o,p-DDE	4.255	1977	-.523	o,p-DDE
3.8	934145	5.001	a. Chlordane	4.387	726547	5.299	a. Chlordane
3.837	907914	5.205	Endosulfan I	4.411	681642	5.247	Endosulfan I
3.951	1976544	10.445	4,4'-DDE	4.476	1469647	9.9	4,4'-DDE
4.033	2010446	10.501	Dieldrin	4.566	1397793	9.794	Dieldrin
4.101	6269	-.323	o,p-DDD	4.53	579	-.524	o,p-DDD
4.235	1812481	10.636	Endrin	4.699	1236856	10.392	Endrin
4.259	25666	-.055	o,p-DDT	4.722	22522	-.249	o,p-DDT
4.319	1840705	10.781	4,4'-DDD	4.771	1307283	10.109	4,4'-DDD
	0		g. Chlordane	4.357	720216	5.159	g. Chlordane
4.4	1846753	10.514	Endosulfan II	4.846	1329501	10.638	Endosulfan II
4.48	1420054	11.872	4,4'-DDT	4.936	1119303	10.475	4,4'-DDT
4.533	1521055	10.205	Endrin aldehyde	4.904	1048042	10.356	Endrin aldehyde
4.647	1717167	11.341	Endo. sulfate	5.054	1249732	10.633	Endo. sulfate
4.852	3904004	62.964	Methoxychlor	5.158	2987965	52.596	Methoxychlor
4.969	2116329	11.308	Endrin ketone	5.273	1486021	10.926	Endrin ketone
5.042	2288	.018	Mirex	5.551	6791	-1.689	Mirex
5.51	3611585	21.657	DCB	6.075	1671360	24.086	DCB

Files:

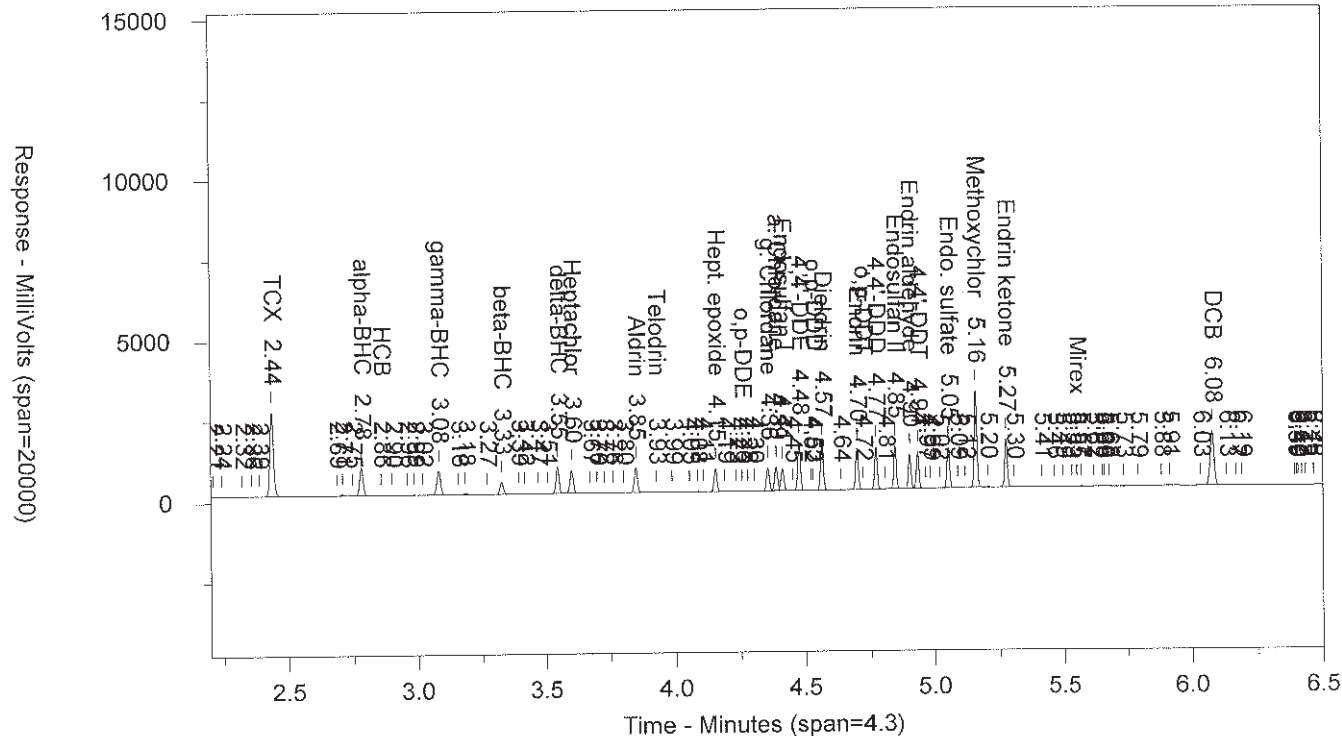
Area File: 35pest18271026.072.RAW
 Area File: 35pest18271026B.072.RAW
 Method A: 35PESTD.MET
 Method B: 35PESTD.B.MET
 Calibration File A: 35pest1827109.CAL
 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 11/14/2018 2:55:02 AM
 File Reported On: 11/14/2018 at 8:53:16 AM

MIXA31824B EWMIXA3EW CCAL 183169999 00177 SW-846 8081

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026.072.RAW



\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.072.RAW



MIXA31824B

EWMIXA3EW

CCAL 183169999

00177

SW-846 8081A

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026.072.BND

M = Manually Integrated

Analyst: *DJS 15222 11/15/18*

Approved by: *[Signature]*

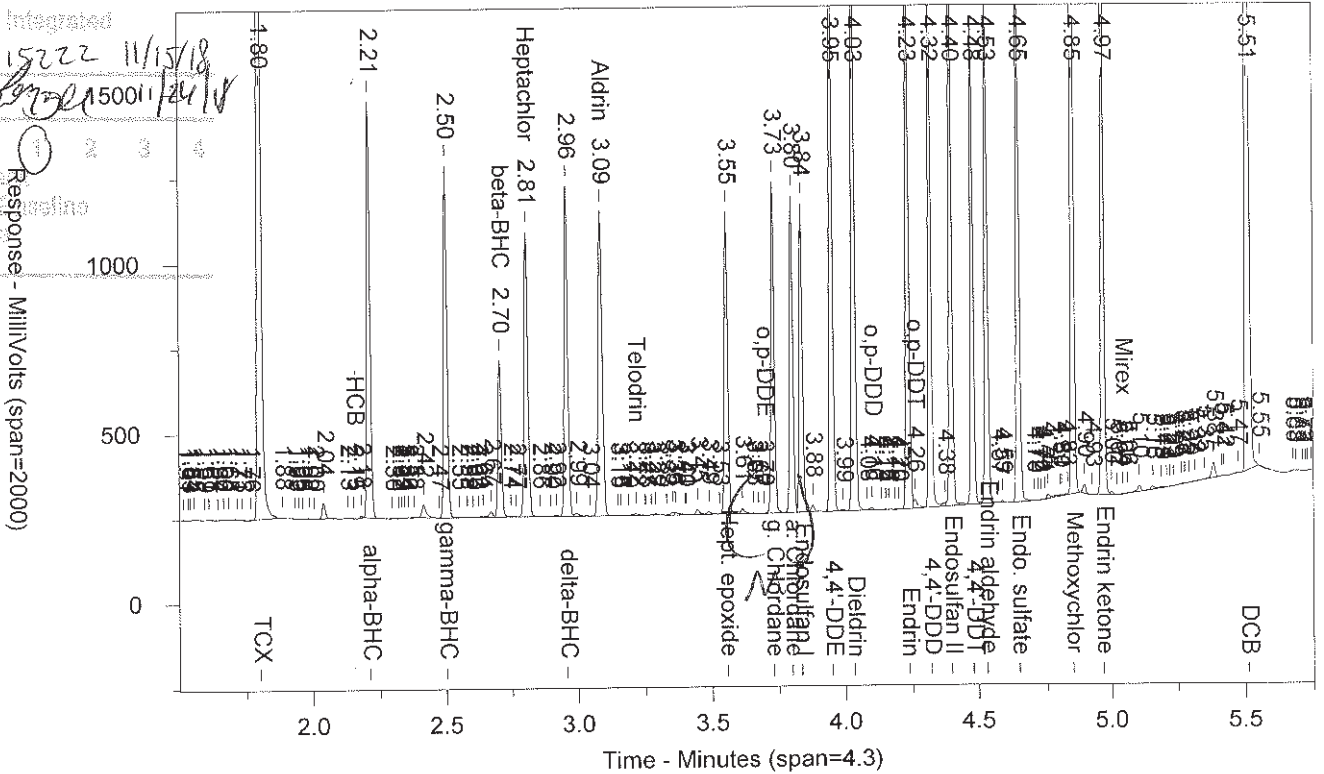
Circle Reason: 1 2 3 4

1 = Missed Peak

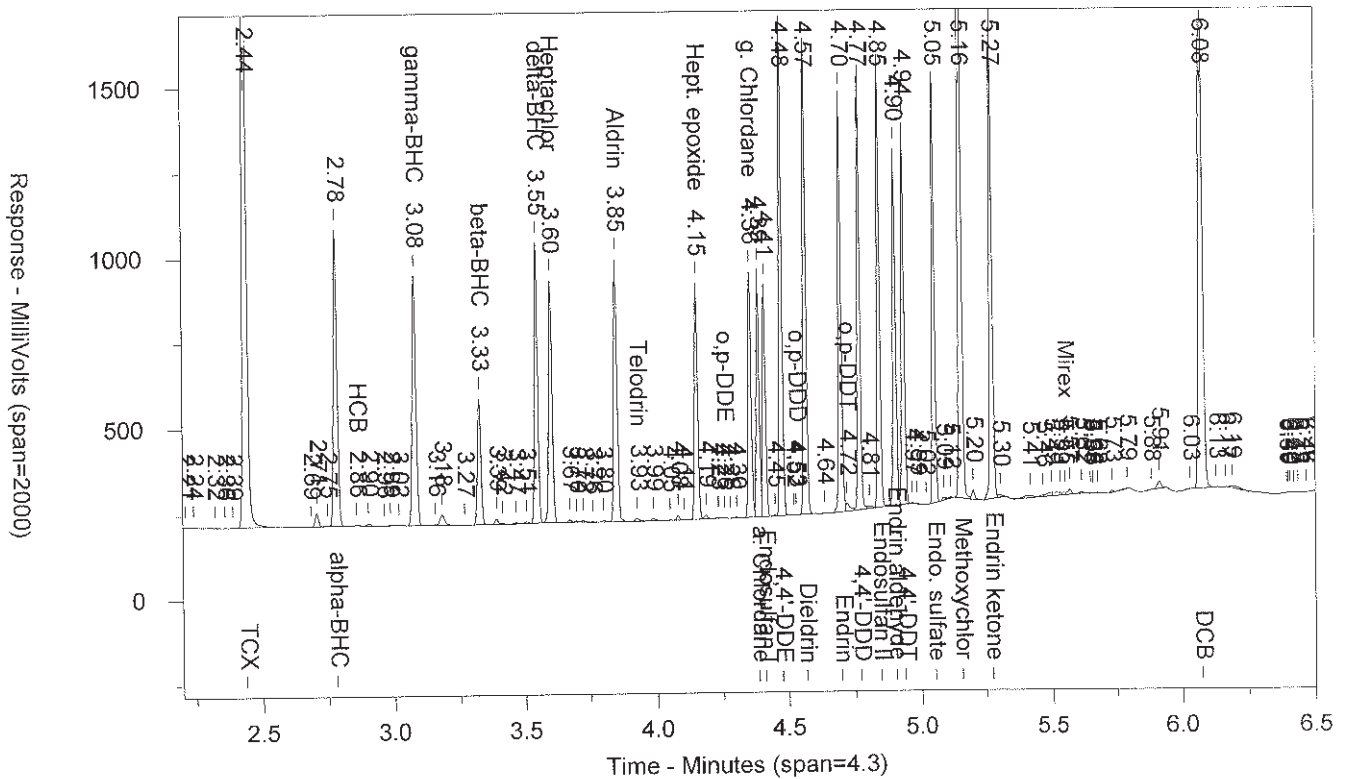
2 = Improper Baseline

3 = RT Update

4 = Other



\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.072.BND



LANCASTER LABORATORIES

Sample Number: MIXA31824B EWMIXA3EW CCAL 183169999 00177 SW-846 8081A
 Injected On: 11/14/2018 2:47:40 AM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

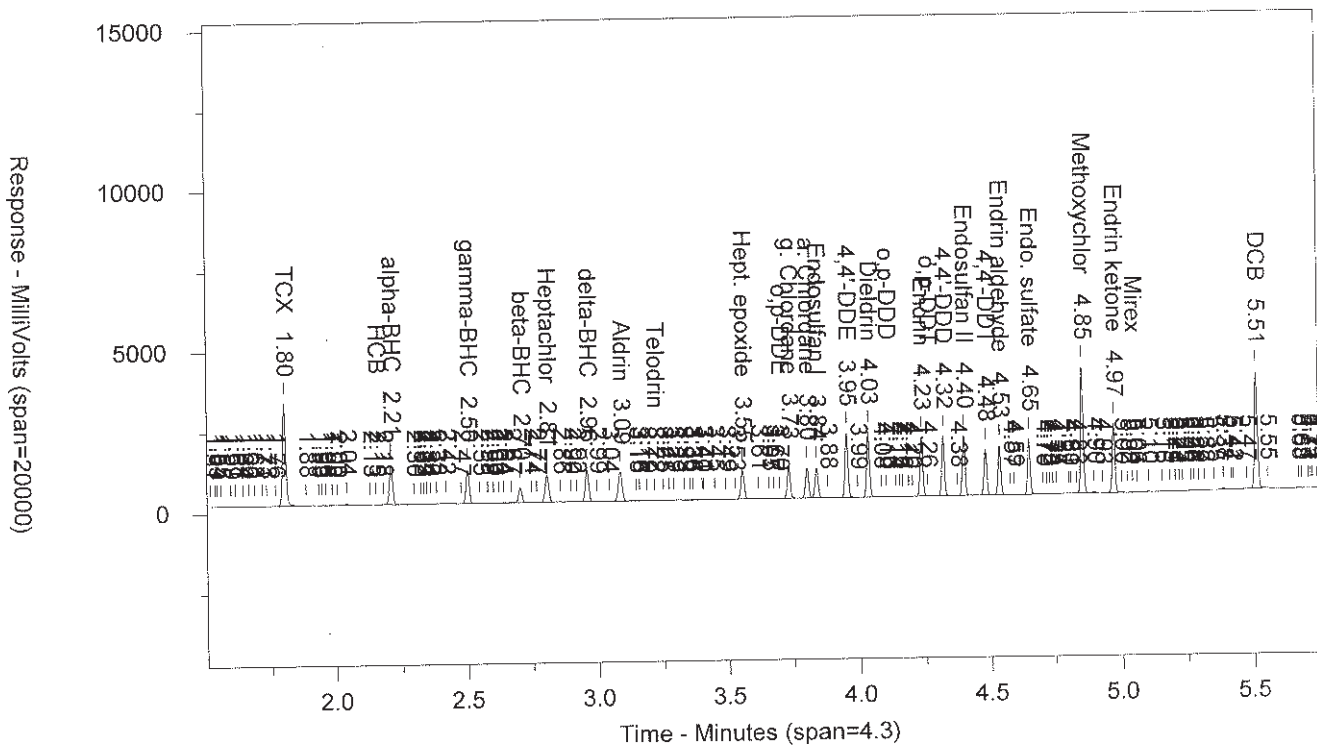
RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.8	3162399	21.697	TCX	2.437	2605834	21.323	TCX
2.152	930	-146	HCB	2.858	819	-187	HCB
2.21	1226716	5.547	alpha-BHC	2.781	868780	5.221	alpha-BHC
2.501	1036949	5.533	gamma-BHC	3.08	731785	5.165	gamma-BHC
2.704	461945	5.675	beta-BHC	3.326	365195	5.45	beta-BHC
2.805	836493	5.611	Heptachlor	3.6	708759	5.026	Heptachlor
2.957	973709	5.474	delta-BHC	3.546	821723	5.066	delta-BHC
3.086	898822	5.312	Aldrin	3.849	769476	5.058	Aldrin
3.216	5617	-098	Telodrin	3.928	7276	-15	Telodrin
3.554	890146	5.326	Hept. epoxide	4.154	691079	5.252	Hept. epoxide
3.695	724	-47	o,p-DDE	4.255	1977	-523	o,p-DDE
3.731	974405	5.254	g. Chlordane	4.357	720216	5.159	g. Chlordane
3.8	934145	5.001	a. Chlordane	4.387	726547	5.299	a. Chlordane
3.837	907914	5.205	Endosulfan I	4.411	681642	5.247	Endosulfan I
3.951	1976544	10.445	4,4'-DDE	4.476	1469647	9.9	4,4'-DDE
4.033	2010446	10.501	Dieldrin	4.566	1397793	9.794	Dieldrin
4.101	6269	-323	o,p-DDD	4.53	579	-524	o,p-DDD
4.235	1812481	10.636	Endrin	4.699	1236856	10.392	Endrin
4.259	25666	-055	o,p-DDT	4.722	22522	-249	o,p-DDT
4.319	1840705	10.781	4,4'-DDD	4.771	1307283	10.109	4,4'-DDD
4.4	1846753	10.514	Endosulfan II	4.846	1329501	10.638	Endosulfan II
4.48	1420054	11.872	4,4'-DDT	4.936	1119303	10.475	4,4'-DDT
4.533	1521055	10.205	Endrin aldehyde	4.904	1048042	10.356	Endrin aldehyde
4.647	1717167	11.341	Endo. sulfate	5.054	1249732	10.633	Endo. sulfate
4.852	3904004	62.964	Methoxychlor	5.158	2987965	52.596	Methoxychlor
4.969	2116329	11.308	Endrin ketone	5.273	1486021	10.926	Endrin ketone
5.042	2288	.018	Mirex	5.551	6791	-1.689	Mirex
5.51	3611585	21.657	DCB	6.075	1671360	24.086	DCB

Files:

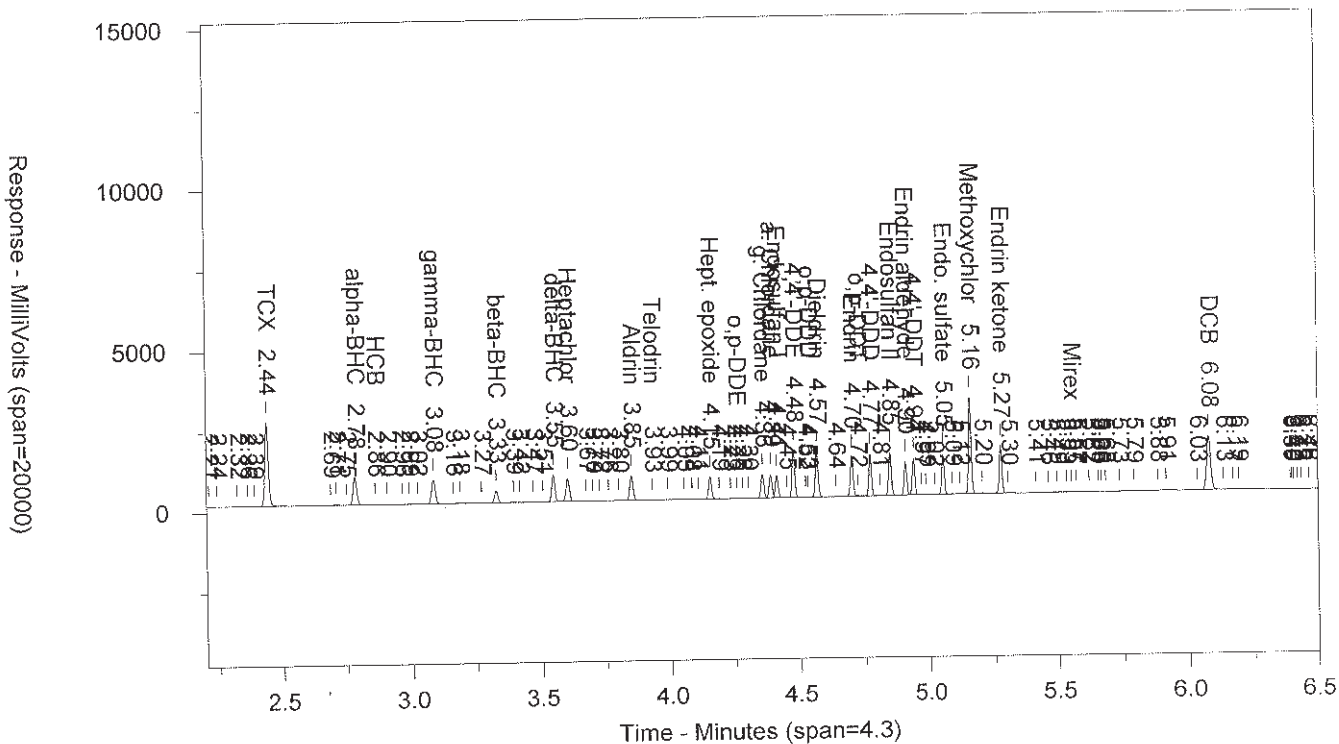
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 Area File: 35pest18271026B.072.BND
 Method A: 35PESTD.MET
 Method B: 35PESTD.B.MET
 Calibration File A: 35pest1827109.CAL
 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 11/15/2018 2:52:59 PM
 File Reported On: 11/15/2018 at 3:00:33 PM

MIXA31824B EWMIXA3EW CCAL 183169999 00177 SW-846 8081

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\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.072.BND



LANCASTER LABORATORIES

Sample Number: TOXA41824E YYTOXA4YY CCAL 1831699999 00177 Analyst: 2306 SW-846 8081A
Injected On: 11/14/2018 2:58:08 AM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Date File: 35pest18271026.073.RAW
Method File: 35PESTDI.MET
Calibration File: 35pest1827109.CAL

RT A	Compound A	Height A	Area A
.01		567	112
.037		1182	358
.048		845	404
.057		899	402
.075		926	247
1.512		1542	1048
1.534		1554	1012
1.561		1062	609
1.586		2029	1639
1.601		618	118
1.63		1176	464
1.658		3301	3330
1.684		1534	499
1.695		1152	192
1.701		820	135
1.722		5199	7096
1.769		1205	1210
1.789	TCX	2890	2387
1.844		1267	552
1.891		2102	2959
1.93		4872	4781
1.985		3278	3924
2.009		949	356
2.036		471	126
2.055		2851	1980
2.08		658	106
2.09		1174	471
2.099		761	214
2.143		690	133
2.155	HCB	624	570
2.168		1095	782
2.191		954	565
2.21	alpha-BHC	3380	2572
2.234		1066	591
2.26		745	252
2.279		1324	391
2.291		788	119
2.32		957	590
2.359		4271	5007
2.394		248	825
2.411		1471	970
2.441		2610	1745
2.472		8108	6621
2.492	gamma-BHC	4914	3825
2.538		8414	8914
2.58		9054	8556
2.602		1200	476
2.629		14358	15549
2.681		9078	8045
2.704	beta-BHC	5433	3558
2.73		1252	880
2.748		15725	20122
2.791		1863	996
2.814	Heptachlor	1269	1251

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
2.829		8387	6566
2.854		8493	6948
2.878		5287	5215
2.919		9949	9315
2.957	delta-BHC	12737	10316
2.973		8583	9428
3.003		9193	6777
3.042		11668	12610
3.098	Aldrin	21980	26144
3.128		109602	122718
3.16		83025	89231
3.196	Telodrin	11439	10473
3.246		60761	136059
3.31		20681	18283
3.337		78919	97519
3.372		176970	233742
3.406		35252	32225
3.422		19949	13936
3.454		19135	16182
3.478		76302	80658
3.504		18331	13109
3.523		69602	59081
3.538		68920	51495
3.57	Hept. epoxide	110086	220277
3.604		56780	69134
3.654		45389	68684
3.686		134843	146560
3.714		223644	221746
3.732	o,p-DDE	114210	86473
3.769	g. Chlordane	322151	560657
3.813	a. Chlordane	44462	48865
3.841	Endosulfan I	125016	169349
3.88		187458	234461
3.928		268717	399188
3.972	4,4'-DDE	269183	382422
3.997		472543	436473
4.012		502024	478984
4.045	Dieldrin	487125	738803
4.084	o,p-DDD	184900	243666
4.121		508032	673817
4.152		468979	660386
4.171		378749	335178
4.184		307710	92017
4.189		309325	152291
4.206		479779	647874
4.232		357850	269324
4.249	Endrin	561279	559547
4.262	o,p-DDT	472273	390003
4.3		501043	628418
4.337	4,4'-DDD	1235990	1405008
4.367		1240284	1458993
4.39		526947	467257
4.418	Endosulfan II	1590777	1594598
4.445		739115	572034
4.466		395196	326425
4.482	4,4'-DDT	438124	369444
4.499		448298	560709
4.539	Endrin aldehyde	1254613	1426605
4.583		1191276	1594990
4.598		695013	487028
4.621		785060	780202
4.642	Endo. sulfate	520578	680697
4.669		903693	741602
4.713		349186	338120
4.738		403787	431749
4.756		299501	254851

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
4.772		573797	386648
4.796		1101795	1055023
4.838		390039	381838
4.867	Methoxychlor	1462761	1487929
4.892		410618	341762
4.923		107507	63772
4.94		36423	16588
4.948		53078	34608
4.973	Endrin ketone	317585	317633
5.009		323292	378092
5.045	Mirex	551544	434726
5.065		89300	54152
5.079		94096	72184
5.094		88687	91155
5.12		77786	40623
5.144		152566	148578
5.169		26046	13292
5.18		62122	33981
5.199		93653	71673
5.221		326937	238697
5.239		65368	67462
5.272		48581	25370
5.301		235024	159324
5.323		240253	191588
5.356		47617	38184
5.386		21257	18224
5.412		11141	8805
5.446		15069	9846
5.471		27769	30420
5.504		48776	42717
5.524	DCB	13249	7541
5.546		7067	3745
5.561		1544	502
5.58		5259	6923
5.638		1416	1298
5.648		825	143
5.654		932	156
5.666		1716	743
5.687		1572	754
5.722		956	293
5.745		2978	3117
5.771		1011	189
5.813		1626	396
5.845		799	320
5.861		1086	590
5.874		970	487
5.904		940	347
5.917		1155	463
5.938		1184	446
5.968		3438	3053
5.984		1034	328
5.999		946	197
6.016		1455	1201
6.058		1103	542
6.091		1131	490
6.111		663	125
6.127		890	280
6.154		440	130
6.191		2335	3154
6.262		812	185
6.292		2693	2982
6.339		1075	1124
6.356		860	345
6.383		728	136
6.389		952	198
6.417		676	449

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
6.428		1072	612
6.442		660	186
6.464		1053	401
6.48		1013	406
6.528		1030	312
6.546		800	331
6.559		1567	389
6.579		615	152
6.641		1294	553
6.66		664	283
6.69		680	191
6.706		752	144
6.717		1167	242
6.732		806	168
6.739		680	189
6.746		1289	322
6.774		8506	11135
6.806		777	118
6.826		1163	302
6.845		1103	254
6.862		1060	193
6.876		1313	907
6.964		1441	1180
6.979		541	206
7.01		1084	328
7.024		600	177
7.034		1096	268
7.047		620	81
7.063		1266	289
7.07		1234	329
7.079		744	218
7.104		1024	345
7.139		851	328
7.147		846	485
7.225		784	133
7.259		1045	302
7.291		820	259
7.309		943	322
7.328		824	415

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: TOXA41824E YYTOXA4YY CCAL 1831699999 00177 Analyst: 2306 SW-846 8081A
Injected On: 11/14/2018 2:58:08 AM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Data File: 35pest18271026B.073.RAW
Method File: 35PESTDIB.MET
Calibration File: 35pest1827109B.CAL

RT B	Compound B	Height B	Area B
.016		522	162
.022		585	239
.056		269	135
.087		581	157
1.551		6022	16665
1.597		4451	3732
1.628		3726	3326
1.665		54779	58324
1.709		21810	23572
1.774		817	422
1.863		10479	31075
1.89		9317	15755
1.925		7542	12303
1.972		3373	5929
1.994		868	341
2.003		827	361
2.04		534	199
2.093		2188	2045
2.115		1001	532
2.139		1312	701
2.181		1215	1058
2.228		2528	2018
2.269		1325	1312
2.36		978	569
2.394		634	176
2.459		2364	2420
2.514		676	416
2.53		520	167
2.539		1032	775
2.571		576	178
2.593		555	106
2.677		1963	1784
2.701		583	226
2.749		552	327
2.782	alpha-BHC	1758	1232
2.804		4656	3994
2.844		4459	5813
2.888		2379	2223
2.912		415	79
2.925		2339	1694
2.951		465	185
2.982		3825	3650
3.056		1608	1422
3.101		977	597
3.154		1270	718
3.208		3871	5337
3.24		5429	7963
3.298		5891	9232
3.353		3938	5510
3.39		7026	7255
3.428		11287	12108
3.47		7945	11728
3.518		625	290
3.548	delta-BHC	9510	12021

Chrom Perfect Chromatogram Report

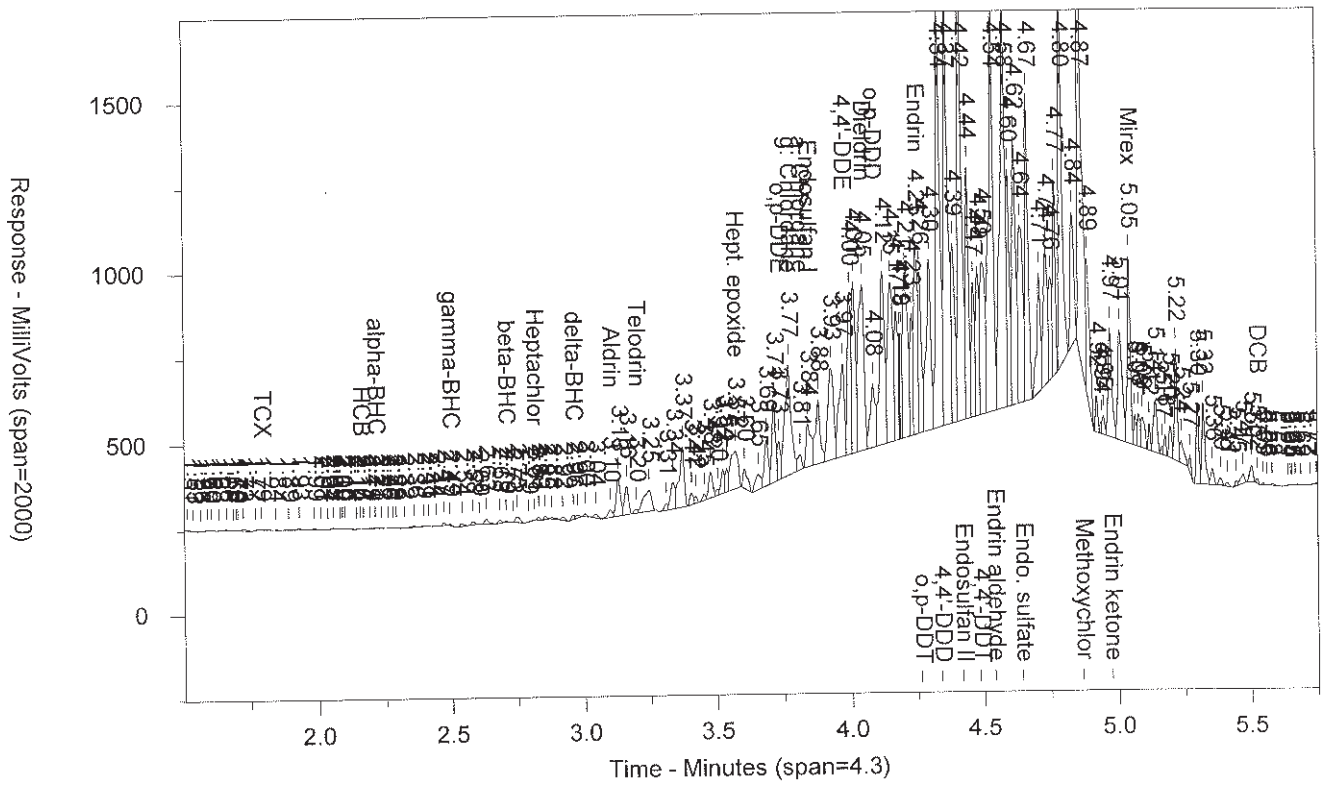
RT B	Compound B	Height B	Area B
3.573		6683	6196
3.604	Heptachlor	7796	5726
3.621		3840	2290
3.659		12292	11554
3.68		4811	2651
3.696		2307	752
3.724		13469	11780
3.766		13540	26269
3.82		83485	81762
3.843	Aldrin	110057	136056
3.887		2392	857
3.909		33726	31351
3.92		31572	25618
3.951	Telodrin	35205	28807
3.974		76526	112091
4.028		18603	13694
4.055		17190	19967
4.088		138528	151170
4.135	Hept. epoxide	106783	144776
4.171		25098	15908
4.19		83343	81262
4.24		64813	67693
4.263	o,p-DDE	150036	129556
4.297		196244	186717
4.316		69649	53297
4.345	g. Chlordane	97272	149764
4.377	a. Chlordane	137483	139201
4.422	Endosulfan I	120998	158064
4.443		60773	43059
4.468	4,4'-DDE	188318	198168
4.501		161321	158493
4.532	o,p-DDD	303021	262450
4.549		358153	284826
4.558	Dieldrin	295903	185281
4.582		108859	64922
4.597		106426	73855
4.614		191160	128040
4.639		336824	270575
4.661		450889	434866
4.685		235712	154537
4.698	Endrin	306707	234734
4.719	o,p-DDT	766916	723060
4.738		237445	254358
4.764	4,4'-DDD	273789	279290
4.796		262288	267277
4.82		614939	505202
4.846	Endosulfan II	615742	750148
4.862		268667	139548
4.883		944559	995459
4.906	Endrin aldehyde	501069	492381
4.928	4,4'-DDT	149344	92043
4.966		643221	585320
5.011		1029163	1389560
5.051	Endo. sulfate	752356	740037
5.076		291488	164879
5.109		353596	258641
5.123		79545	34094
5.135		197782	107940
5.157	Methoxychlor	369507	251879
5.173		127519	76202
5.202		555470	672673
5.223		718494	869791
5.258		453572	451370
5.289	Endrin ketone	1173151	1202375
5.31		370086	240705
5.342		289136	250387

Chrom Perfect Chromatogram Report

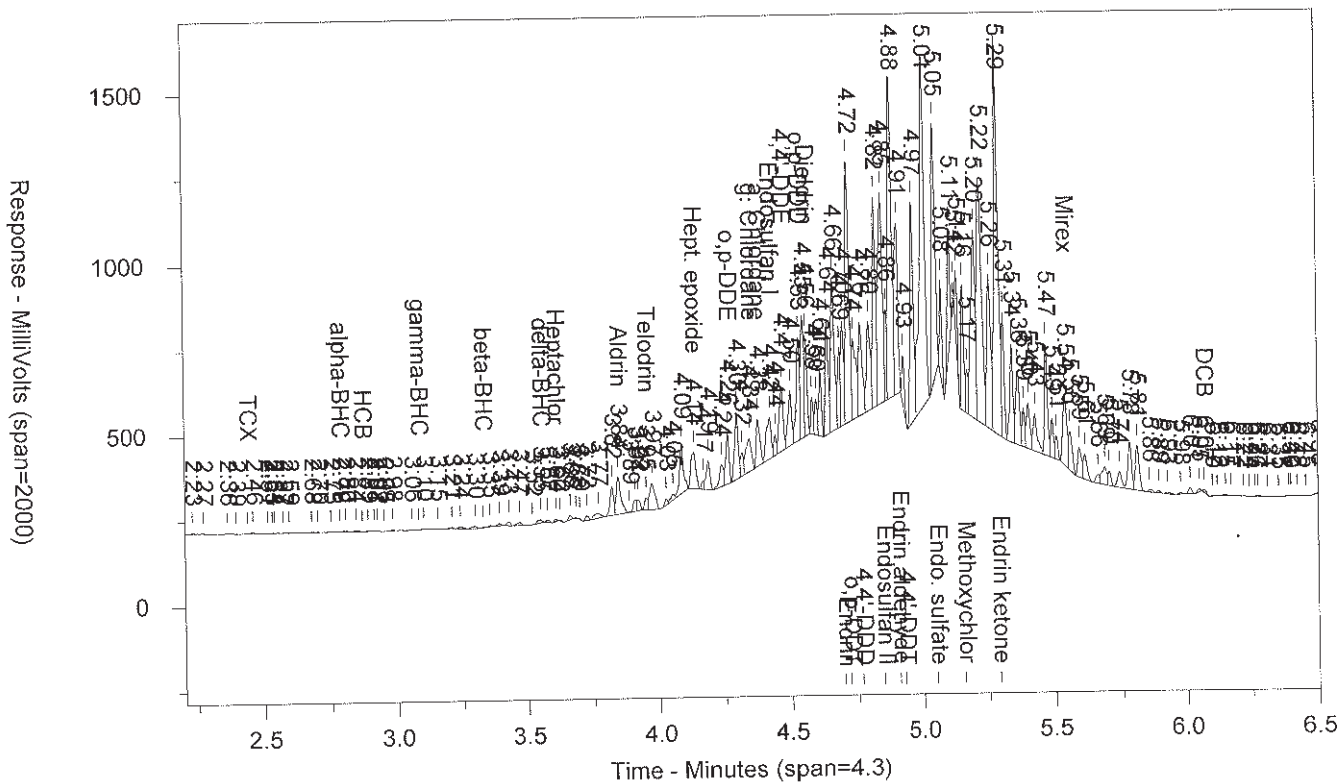
RT B	Compound B	Height B	Area B
5.365		218292	207801
5.386		115053	76805
5.404		134526	120744
5.429		109745	125398
5.472		328061	264699
5.494		115198	82560
5.51		68561	46521
5.541	Mirex	203151	221367
5.56		114908	95263
5.593		87474	85374
5.614		74500	72701
5.662		25088	23449
5.687		52425	71889
5.704		42244	30274
5.742		46051	52202
5.782		138248	137060
5.811		131997	138130
5.858		7100	7907
5.893		6365	5031
5.926		4599	6966
5.978		4603	4764
6.014		17592	16048
6.048		8485	7633
6.068	DCB	9221	7677
6.1		2515	1978
6.118		852	157
6.151		3228	4038
6.17		1099	1006
6.218		801	228
6.241		558	174
6.263		768	209
6.273		1978	1726
6.311		743	368
6.352		916	498
6.391		994	887
6.399		864	246
6.421		676	260
6.453		723	570
6.5		1035	978
6.522		623	140
6.532		732	246
6.549		1394	4880
6.638		600	107
6.668		725	306
6.698		876	313
6.742		1021	535
6.76		594	162
6.783		1052	210
6.794		719	393
6.809		643	194
6.829		533	179
6.884		543	2254
6.909		838	566
6.946		731	924
6.963		1138	734
7.063		596	182
7.101		4625	6906
7.223		800	347
7.242		530	225
7.257		662	219
7.268		867	286
7.288		660	251
7.296		789	230
7.305		575	146
7.324		604	299

TOXA41824E YYTOXA4YY CCAL 183169999 00177 SW-846 8081

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026.073.RAW



\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.073.RAW



Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: TOXA41824E YYTOXA4YY CCAL 1831699999 00177 SW-846 8081A
 Injected On: 11/14/2018 2:58:08 AM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

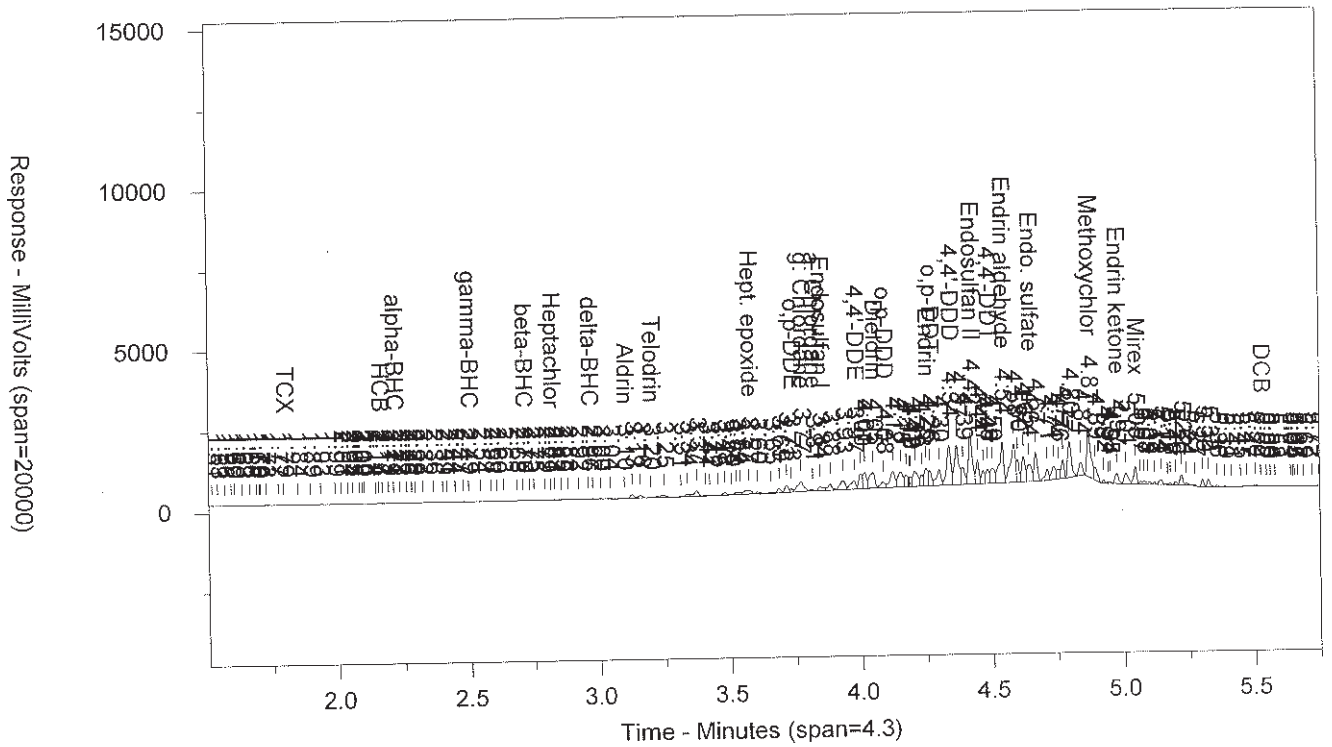
RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.789	2890	.02	TCX		0		TCX
2.155	624	-.148	TCX		0		TCX
2.21	3380	.015	alpha-BHC	2.782	1758	.011	alpha-BHC
2.492	4914	.026	gamma-BHC		0		gamma-BHC
2.704	5433	-.105	beta-BHC		0		beta-BHC
2.814	1269	.009	Heptachlor	3.604	7796	.055	Heptachlor
2.957	12737	.072	delta-BHC	3.548	9510	.059	delta-BHC
3.098	21980	.13	Aldrin	3.843	110057	.723	Aldrin
3.196	11439	-.049	Telodrin	3.951	35205	.127	Telodrin
3.57	110086	.659	Hept. epoxide	4.135	106783	.6	Hept. epoxide
3.732	114210	.501	o,p-DDE	4.263	150036	1.169	o,p-DDE
3.769	322151	1.737	g. Chlordane	4.345	97272	.597	g. Chlordane
3.813	44462	.238	a. Chlordane	4.377	137483	.847	a. Chlordane
3.841	125016	.717	Endosulfan I	4.422	120998	.787	Endosulfan I
3.972	269183	1.422	4,4'-DDE	4.468	188318	1.269	4,4'-DDE
4.045	487125	2.544	Dieldrin	4.558	295903	2.073	Dieldrin
4.084	184900	1.368	o,p-DDD	4.532	303021	3.363	o,p-DDD
4.249	561279	3.294	Endrin	4.698	306707	2.446	Endrin
4.262	472273	3.843	o,p-DDT	4.719	766916	8.515	o,p-DDT
4.337	1235990	7.148	4,4'-DDD	4.764	273789	1.915	4,4'-DDD
4.418	1590777	9.057	Endosulfan II	4.846	615742	4.785	Endosulfan II
4.482	438124	3.663	4,4'-DDT	4.928	149344	1.398	4,4'-DDT
4.539	1254613	8.418	Endrin aldehyde	4.906	501069	4.853	Endrin aldehyde
4.642	520578	3.496	Endo. sulfate	5.051	752356	6.308	Endo. sulfate
4.867	1462761	25.331	Methoxychlor	5.157	369507	6.504	Methoxychlor
4.973	317585	1.539	Endrin ketone	5.289	1173151	8.574	Endrin ketone
5.045	551544	4.23	Mirex	5.541	203151	1.471	Mirex
5.524	13249	.307	DCB	6.068	9221	-.274	DCB

Files:

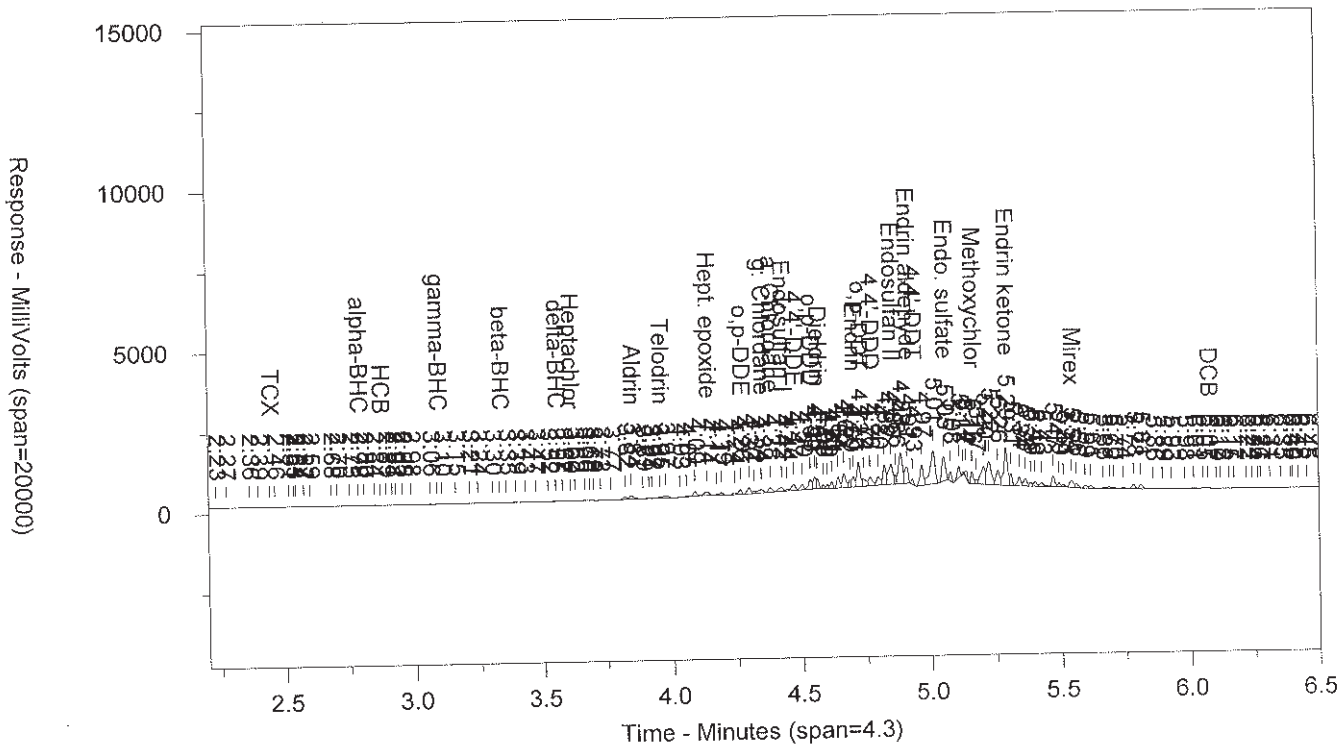
Area File: 35pest18271026.073.RAW
 Area File: 35pest18271026B.073.RAW
 Method A: 35PESTD1.MET
 Method B: 35PESTD1B.MET
 Calibration File A: 35pest1827109.CAL
 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 11/14/2018 3:05:29 AM
 File Reported On: 11/14/2018 at 8:53:29 AM

TOXA41824E YYTOXA4YY CCAL 183169999 00177 SW-846 8081

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026.073.RAW



\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.073.RAW



LANCASTER LABORATORIES

Sample Number: CHLD41824D EWCHLD4EW CCAL 1831699999 00177 Analyst: 2306 SW-846 8081A
Injected On: 11/14/2018 3:08:37 AM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Date File: 35pest18271026.074.RAW
Method File: 35PESTDI.MET
Calibration File: 35pest1827109.CAL

RT A	Compound A	Height A	Area A
.019		811	447
.038		745	234
.058		929	646
.094		632	111
1.529		852	179
1.611		1571	1005
1.619		784	256
1.665		10140	7974
1.695		8765	9368
1.717		531	118
1.731		1301	1283
1.776		4799	7251
1.832		303507	280663
1.913		740	137
1.924		734	123
1.94		1043	377
1.964		995	355
1.982		696	348
2.002		657	151
2.019		1325	801
2.051		1339	695
2.077		1815	1316
2.103		55964	47021
2.154	HCB	40819	42419
2.191		610	108
2.211	alpha-BHC	1342	654
2.244		3864	3172
2.267		643	163
2.281		712	205
2.291		897	158
2.317		706	111
2.324		1117	317
2.34		801	135
2.363		1786	1777
2.416		66459	75962
2.446		12901	8917
2.477		4069	3627
2.499	gamma-BHC	667	306
2.53		43434	40114
2.572		20253	23727
2.604		25420	26333
2.649		527012	510141
2.688		67581	66801
2.748		3247	3680
2.806	Heptachlor	656395	661162
2.839		38561	38792
2.897		92156	100602
2.924		33825	33737
2.954	delta-BHC	3171	1722
2.999		63220	79856
3.045		10583	13187
3.062		8626	4531
3.081	Aldrin	21579	25692
3.11		58603	71457

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
3.143		55025	82834
3.223	Telodrin	351764	602267
3.28		68436	78288
3.331		175891	214123
3.349		61632	55331
3.385		62631	76388
3.409		48687	54563
3.431		17185	13040
3.454		46734	75793
3.489		5579	3517
3.515		110532	102591
3.537		18249	22364
3.578	Hept. epoxide	423141	484133
3.614		276721	260465
3.639		129096	117066
3.658		217151	234867
3.706		150384	171656
3.731	g. Chlordane	1755354	1556339
3.749	o,p-DDE	1407835	1184175
3.776		764576	666194
3.801	a. Chlordane	1383699	1212950
3.843	Endosulfan I	138067	169962
3.89		78369	91995
3.931		29481	21237
3.945		39703	40918
3.96	4,4'-DDE	34884	30149
3.986		187153	158081
4.004		29075	18403
4.025	Dieldrin	102406	113966
4.079		103163	86631
4.099	o,p-DDD	25409	15144
4.12		44817	76285
4.154		22003	15949
4.17		62141	52898
4.218		98379	130010
4.246	Endrin	51417	33630
4.269	o,p-DDT	520316	490529
4.295		66130	43298
4.336	4,4'-DDD	31596	37126
4.366		98378	76487
4.389		61429	71343
4.416	Endosulfan II	674289	531307
4.458		25438	44082
4.48	4,4'-DDT	17942	10466
4.497		14396	12024
4.512		12619	10048
4.537	Endrin aldehyde	7791	6974
4.561		5681	4034
4.606		132637	117070
4.638		60040	60263
4.663	Endo. sulfate	7866	5818
4.679		8779	9435
4.706		6157	4573
4.739		14201	11820
4.765		15741	11739
4.78		13193	9978
4.81		6407	5091
4.833		4171	3348
4.868	Methoxychlor	10436	10446
4.905		14497	16659
4.923		18368	16596
4.958	Endrin ketone	1667	955
5.005		86083	94950
5.043	Mirex	4561	2324
5.053		3276	1411
5.072		6954	6420

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
5.103		2016	987
5.126		51632	42742
5.178		8279	8915
5.205		4872	5134
5.219		3094	1453
5.229		2142	954
5.252		627	127
5.269		2785	1823
5.283		4548	3217
5.325		3788	3010
5.362		9710	9058
5.377		5926	3083
5.391		1156	196
5.413		2015	1225
5.464		2528	2868
5.48		2182	1339
5.52	DCB	18833	19413
5.551		681	111
5.557		1746	667
5.579		914	258
5.59		1099	268
5.608		754	229
5.634		1307	230
5.644		1155	475
5.662		887	444
5.676		989	230
5.682		1416	397
5.708		2146	1384
5.745		995	980
5.757		498	213
5.776		1091	213
5.834		952	168
5.869		1092	1762
5.879		1776	1852
5.955		1025	220
5.977		708	473
6.032		669	218
6.058		4117	3860
6.087		1119	439
6.102		1204	173
6.112		1036	316
6.132		765	173
6.147		1191	153
6.168		836	303
6.182		807	118
6.211		764	171
6.24		463	89
6.269		886	224
6.275		1342	229
6.282		671	143
6.291		604	134
6.315		731	353
6.333		907	324
6.34		787	283
6.356		788	325
6.39		573	129
6.419		574	261
6.43		880	305
6.438		680	159
6.448		952	288
6.511		553	141
6.526		979	284
6.543		792	211
6.562		841	302
6.582		486	159
6.6		812	123

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
6.621		670	160
6.637		775	149
6.662		515	196
6.693		1099	422
6.703		1356	238
6.714		972	472
6.743		247	350
6.76		810	440
6.773		1255	278
6.784		1528	493
6.844		1018	449
6.863		761	263
6.871		613	108
6.908		950	345
6.929		763	307
6.941		1461	445
6.957		1237	285
6.968		790	355
6.983		1117	429
7.004		703	318
7.026		693	184
7.034		720	233
7.053		612	143
7.069		1454	769
7.09		1155	487
7.114		479	142
7.133		683	324
7.153		828	112
7.159		859	201
7.168		962	234
7.181		1001	522
7.21		998	165
7.252		630	131
7.289		920	441

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD41824D EWCHLD4EW CCAL 1831699999 00177 Analyst: 2306 SW-846 8081A
Injected On: 11/14/2018 3:08:37 AM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Data File: 35pest18271026B.074.RAW
Method File: 35PESTDIB.MET
Calibration File: 35pest1827109B.CAL

RT B	Compound B	Height B	Area B
.02		405	117
1.532		1180	627
1.563		5418	7485
1.598		10698	11931
1.642		1137	519
1.663		18466	19415
1.717		1309	497
1.757		39610	46135
1.795		1042	628
1.856		2156	1271
1.891		32018	33153
1.922		4236	3826
1.968		18176	18216
2.002		1236	928
2.034		856	467
2.058		566	117
2.096		5484	6829
2.143		9772	9948
2.175		6826	5458
2.196		567	203
2.213		1901	1831
2.243		507	273
2.268		2727	2164
2.313		367	175
2.331		454	185
2.368		600	99
2.399		1747	1329
2.431	TCX	244446	242235
2.491		442	320
2.522		759	399
2.541		1007	952
2.578		573	137
2.597		779	663
2.632		501	312
2.697		475	153
2.721		458	182
2.746		6842	11834
2.802		33880	29517
2.827		20718	16499
2.895		2145	1913
2.955		1374	652
2.984		1326	763
3.027		3596	4086
3.068	gamma-BHC	9517	8371
3.099		8648	11336
3.153		11964	12231
3.183		47793	59194
3.214		13546	18006
3.295		36336	37165
3.339	beta-BHC	16003	17510
3.37		4305	4550
3.389		5796	6313
3.428		439122	443473
3.46		3917	3758

Chrom Perfect Chromatogram Report

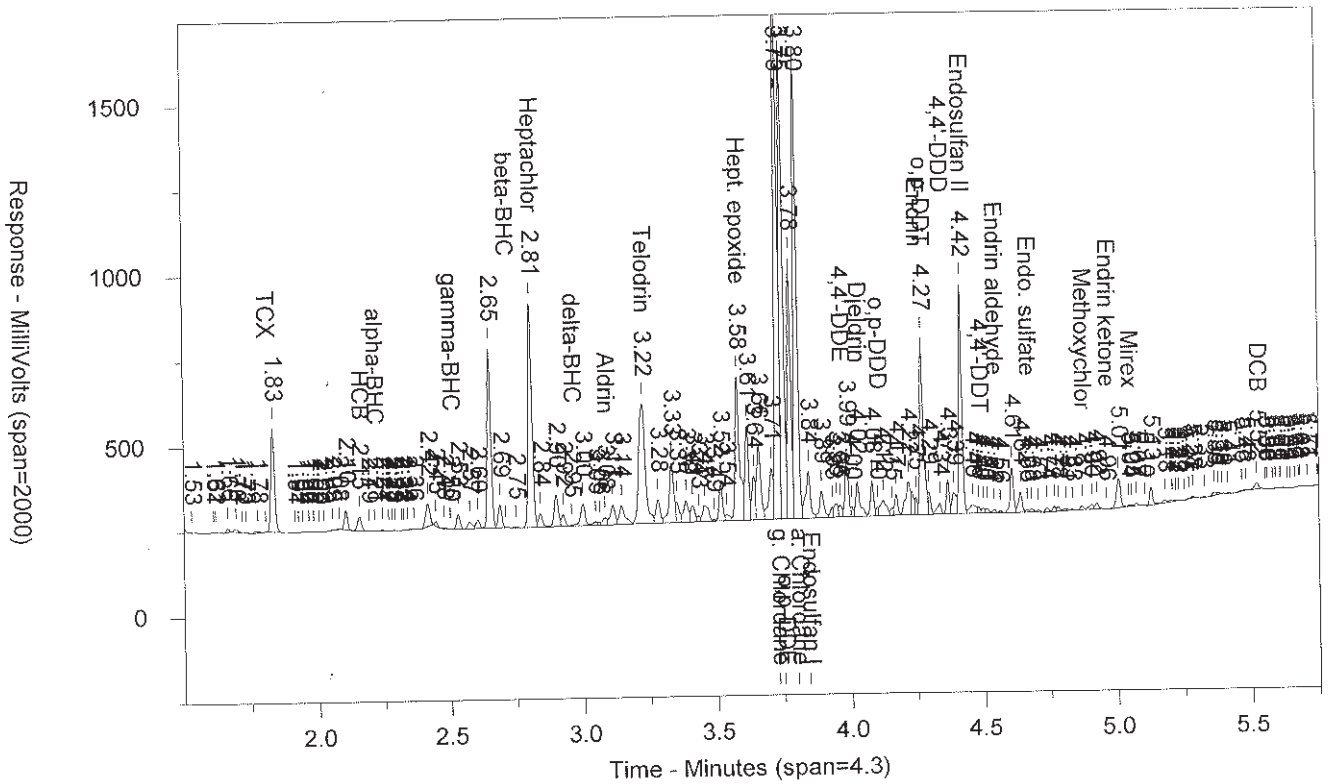
RT B	Compound B	Height B	Area B
3.518		1002	646
3.553	delta-BHC	12359	14101
3.601	Heptachlor	597186	575938
3.632		43850	37018
3.651		73173	73526
3.681		3566	1626
3.711		12865	13466
3.752		14552	13983
3.78		15144	13466
3.816		74337	89704
3.857	Aldrin	420089	377225
3.884		49559	49649
3.92		59656	69713
3.952	Telodrin	37333	36681
3.99		53191	69169
4.01		48286	48146
4.027		29267	19084
4.06		184217	252022
4.11		13423	17507
4.129		9058	6154
4.155	Hept. epoxide	61009	51828
4.177		408321	389991
4.211		234248	207947
4.227		89387	71127
4.257	o,p-DDE	46346	53574
4.293		39992	30118
4.312		226720	212527
4.328		115684	64396
4.356	g. Chlordane	1588567	1425098
4.387	a. Chlordane	1069299	882830
4.414	Endosulfan I	1032976	842768
4.452		43813	36098
4.468	4,4'-DDE	18337	12054
4.487		16718	20905
4.541	o,p-DDD	141340	143722
4.584	Dieldrin	101883	102251
4.628		17767	13604
4.651		34485	47279
4.674		58205	45047
4.694	Endrin	77780	96777
4.728	o,p-DDT	57036	62483
4.754		29665	33399
4.783	4,4'-DDD	358731	290689
4.813		86336	71445
4.834	Endosulfan II	97333	116781
4.866		51227	40221
4.885		467586	349799
4.924	Endrin aldehyde	58496	49516
4.954	4,4'-DDT	17850	26973
4.985		16801	14533
5.004		566	208
5.017		3352	2140
5.051	Endo. sulfate	16975	13869
5.075		101281	91442
5.101		26135	20333
5.136		3643	2329
5.152	Methoxychlor	10411	6044
5.18		9010	6461
5.22		12596	11947
5.252		7713	7213
5.278	Endrin ketone	3037	1723
5.305		7984	4842
5.329		10536	7850
5.343		6149	4123
5.372		14033	9732
5.4		37874	30261

Chrom Perfect Chromatogram Report

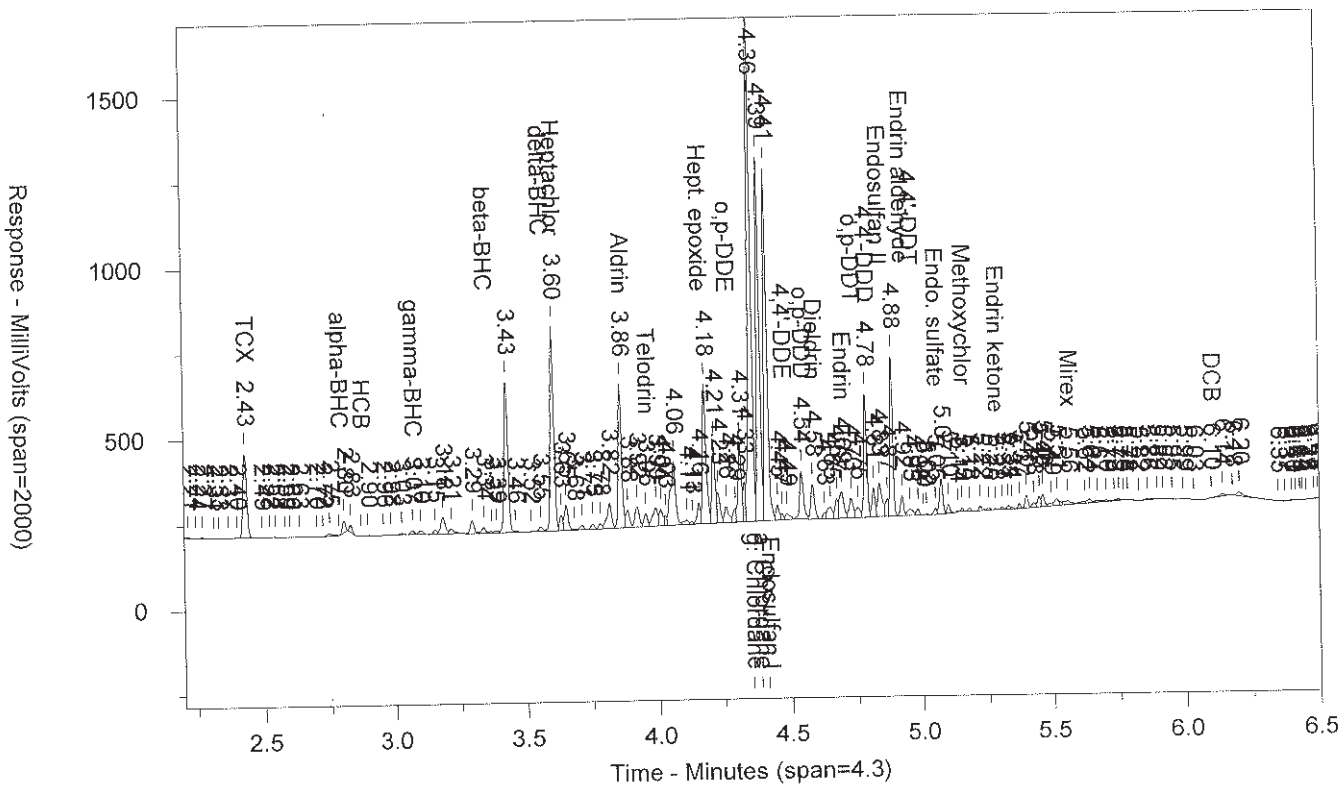
RT B	Compound B	Height B	Area B
5.427		13940	13223
5.448		30546	23688
5.462		36249	30534
5.495		8868	9523
5.515		19633	21862
5.556	Mirex	11046	22516
5.619		5564	6388
5.638		11032	12575
5.668		4578	6953
5.7		4771	4300
5.731		2448	1330
5.748		4502	3285
5.764		1204	309
5.782		865	813
5.824		513	93
5.855		2986	2328
5.894		2086	2547
5.916		480	237
5.949		1005	414
5.992		630	346
6.032		748	272
6.097	DCB	1014	815
6.139		7902	11460
6.177		679	117
6.203		11645	19057
6.349		1305	700
6.374		537	154
6.398		1064	544
6.414		712	139
6.429		442	171
6.438		671	239
6.451		793	263
6.481		1097	596
6.494		750	476
6.501		679	149
6.519		619	176
6.531		600	260
6.554		1468	3319
6.625		784	121
6.656		323	174
6.696		639	92
6.715		570	113
6.741		673	320
6.793		596	129
6.814		395	365
6.854		585	291
6.881		558	218
6.899		704	337
6.921		465	69
6.93		673	284
6.988		637	137
7.02		883	316
7.081		683	417
7.165		865	241
7.219		750	368
7.228		810	152
7.244		540	174
7.26		839	445
7.271		465	110
7.286		650	166
7.295		736	302

CHLD41824D EWCHLD4EW CCAL 183169999 00177 SW-846 808

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\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.074.RAW



Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD41824D EWCHLD4EW CCAL 1831699999 00177 SW-846 8081A
 Injected On: 11/14/2018 3:08:37 AM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

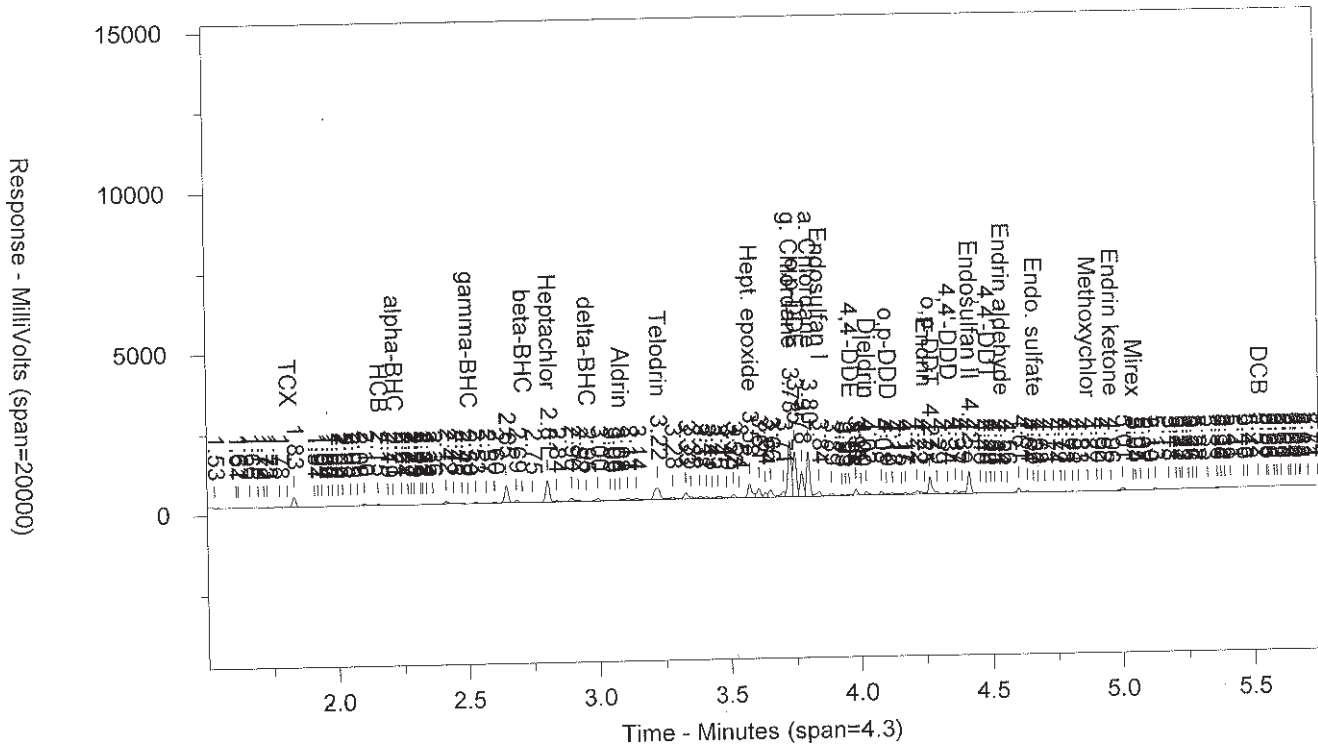
Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.154	40819	.113	HCB		0		HCB
2.211	1342	.006	alpha-BHC		0		alpha-BHC
	0		TCX	2.431	244446	2	TCX
2.499	667	.004	gamma-BHC	3.068	9517	.067	gamma-BHC
2.806	656395	4.403	Heptachlor	3.601	597186	4.235	Heptachlor
2.954	3171	.018	delta-BHC	3.553	12359	.076	delta-BHC
3.081	21579	.128	Aldrin	3.857	420089	2.761	Aldrin
3.223	351764	2.799	Telodrin	3.952	37333	.148	Telodrin
	0		beta-BHC	3.339	16003	.018	beta-BHC
3.578	423141	2.532	Hept. epoxide	4.155	61009	.236	Hept. epoxide
3.731	1755354	9.465	g. Chlordane	4.356	1588567	11.517	g. Chlordane
3.749	1407835	11.573	o,p-DDE	4.257	46346	-.016	o,p-DDE
3.801	1383699	7.407	a. Chlordane	4.387	1069299	7.89	a. Chlordane
3.843	138067	.791	Endosulfan I	4.414	1032976	8.042	Endosulfan I
3.96	34884	.184	4,4'-DDE	4.468	18337	.124	4,4'-DDE
4.025	102406	.535	Dieldrin	4.584	101883	.714	Dieldrin
4.099	25409	-.142	o,p-DDD	4.541	141340	1.285	o,p-DDD
4.246	51417	.302	Endrin	4.694	77780	.491	Endrin
4.269	520316	4.262	o,p-DDT	4.728	57036	.157	o,p-DDT
4.336	31596	-.088	4,4'-DDD	4.783	358731	2.588	4,4'-DDD
4.416	674289	3.839	Endosulfan II	4.834	97333	.534	Endosulfan II
4.48	17942	.15	4,4'-DDT	4.954	17850	.167	4,4'-DDT
4.537	7791	.052	Endrin aldehyde	4.924	58496	.401	Endrin aldehyde
4.663	7866	.135	Endo. sulfate	5.051	16975	-.086	Endo. sulfate
4.868	10436	2.942	Methoxychlor	5.152	10411	.183	Methoxychlor
4.958	1667	-.176	Endrin ketone	5.278	3037	-.223	Endrin ketone
5.043	4561	.035	Mirex	5.556	11046	-1.62	Mirex
5.52	18833	.34	DCB	6.097	1014	-.394	DCB

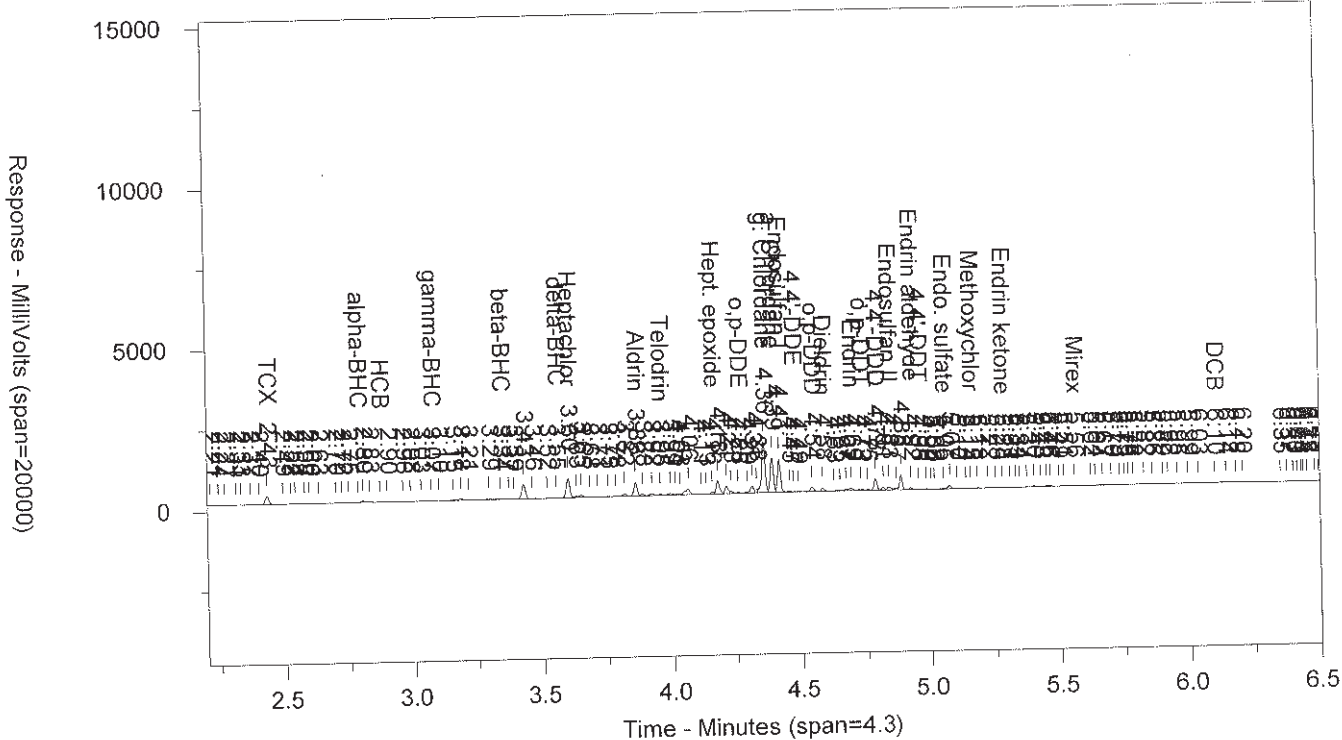
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 Method B: 35PESTD1B.MET
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 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 11/14/2018 3:15:59 AM
 File Reported On: 11/14/2018 at 8:53:43 AM

CHLD41824D EWCHLD4EW CCAL 1831699999 00177 SW-846 808

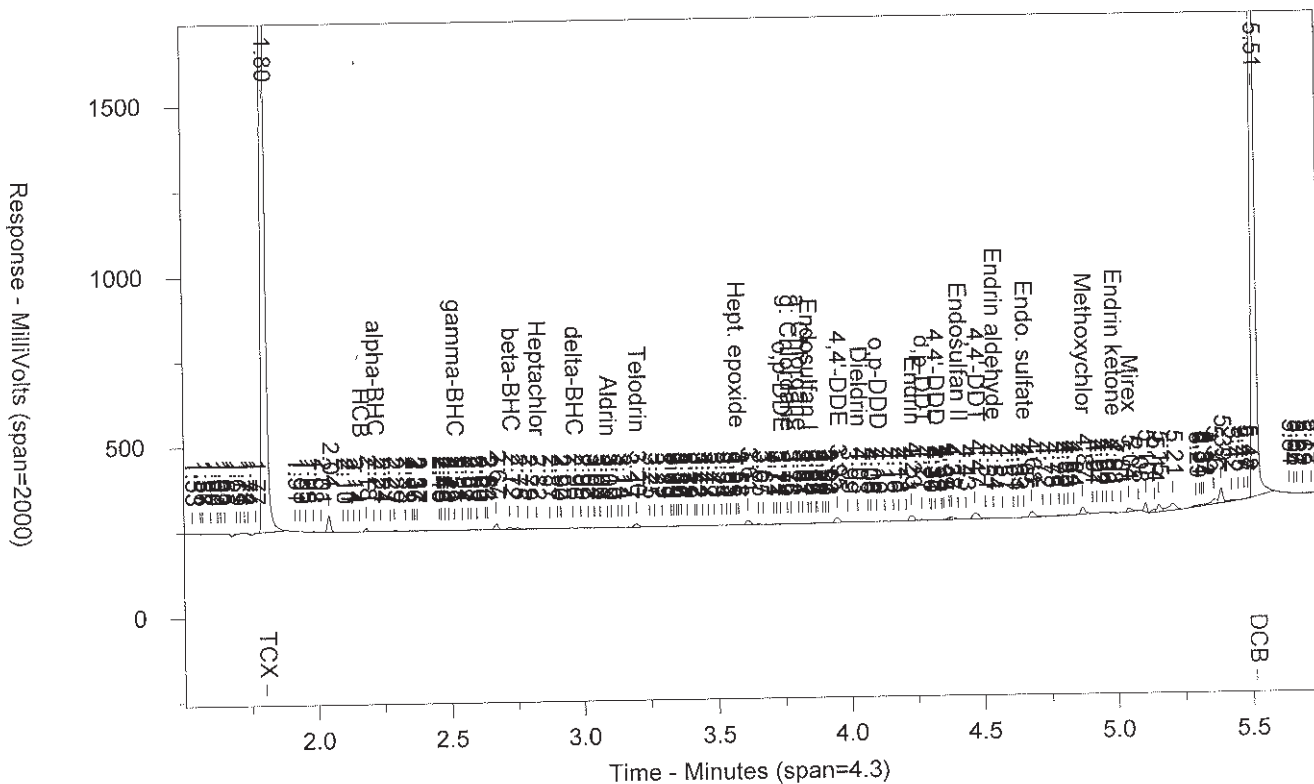
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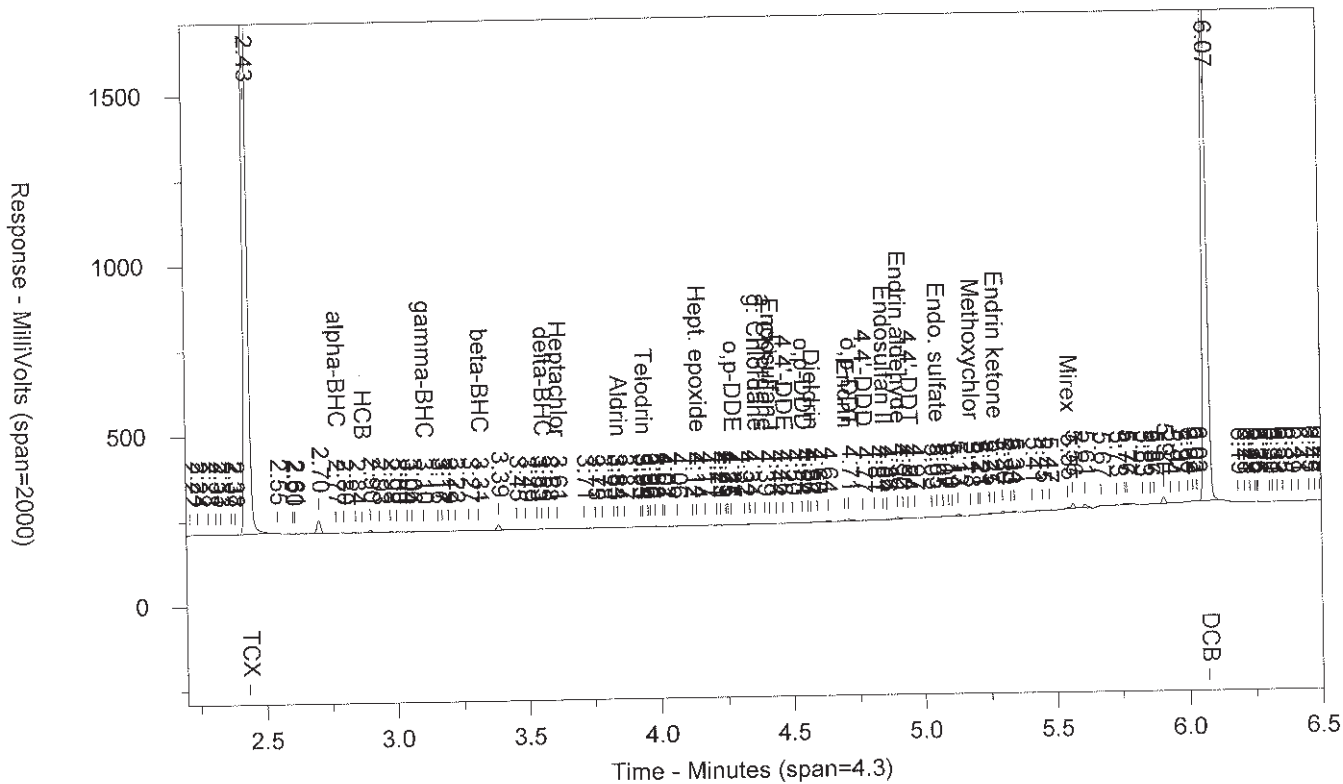
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IBLKX1824B STPIBLKST PIBLK183169999 00177 SW-846 8081A
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\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.077.RAW



Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: IBLKX1824B STPIBLKST PIBLK1831699999 00177 SW-846 8081A
 Injected On: 11/14/2018 3:40:08 AM Sample Weight: 1000
 Instrument ID: CP35-24952 Dilution Factor: 10
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

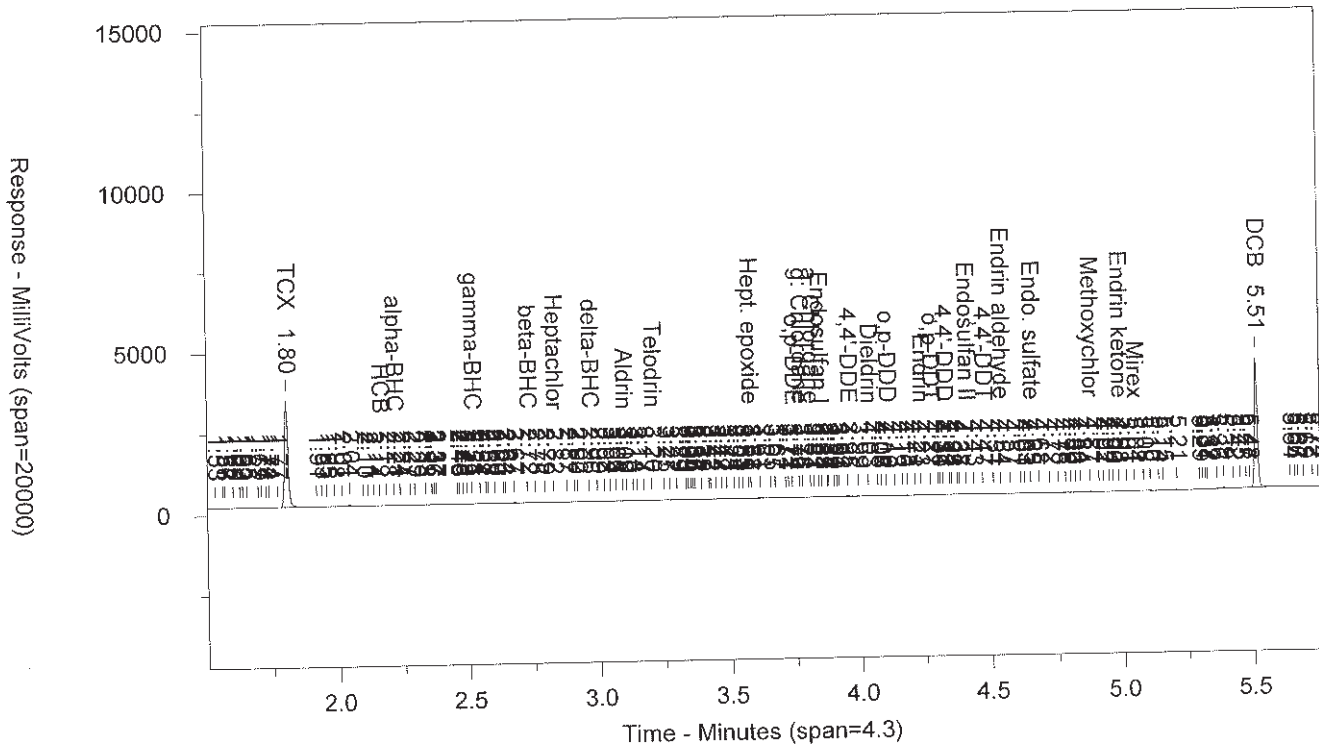
RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.802	3274658	.225	TCX	2.432	2703690	.221	TCX
2.213	1117		alpha-BHC	2.768	664		alpha-BHC
2.512	440		gamma-BHC	3.1	495		gamma-BHC
2.722	6825	-.001	beta-BHC	3.31	363	-.002	beta-BHC
2.824	2052		Heptachlor	3.612	677		Heptachlor
2.961	1017		delta-BHC	3.55	1202		delta-BHC
3.09	852		Aldrin	3.839	412		Aldrin
3.199	8621	-.001	Telodrin	3.936	501	-.002	Telodrin
3.569	798		Hept. epoxide	4.136	347	-.002	Hept. epoxide
3.735	714	-.005	o,p-DDE	4.266	492	-.005	o,p-DDE
3.762	747		g. Chlordane		0		g. Chlordane
3.806	967		a. Chlordane	4.393	587	-.002	a. Chlordane
3.839	1262		Endosulfan I		0		Endosulfan I
3.949	13615	.001	4,4'-DDE	4.462	400		4,4'-DDE
4.028	797		Dieldrin	4.569	683		Dieldrin
4.097	568	-.004	o,p-DDD	4.535	1101	-.005	o,p-DDD
4.229	14740	.001	Endrin		0		Endrin
4.267	3318	-.003	o,p-DDT	4.715	5402	-.005	o,p-DDT
4.319	826	-.003	4,4'-DDD	4.767	1014	-.002	4,4'-DDD
4.468	16153	.001	4,4'-DDT	4.94	852		4,4'-DDT
4.536	1279		Endrin aldehyde	4.899	5350	-.001	Endrin aldehyde
4.647	1621	.001	Endo. sulfate	5.049	1493	-.002	Endo. sulfate
	0		Endosulfan II	4.842	1173	-.003	Endosulfan II
4.87	20968	.031	Methoxychlor	5.177	946		Methoxychlor
4.982	2415	-.002	Endrin ketone	5.267	1593	-.002	Endrin ketone
5.043	11792	.001	Mirex	5.545	3964	-.017	Mirex
5.512	4021955	.241	DCB	6.07	1784259	.257	DCB

Files:

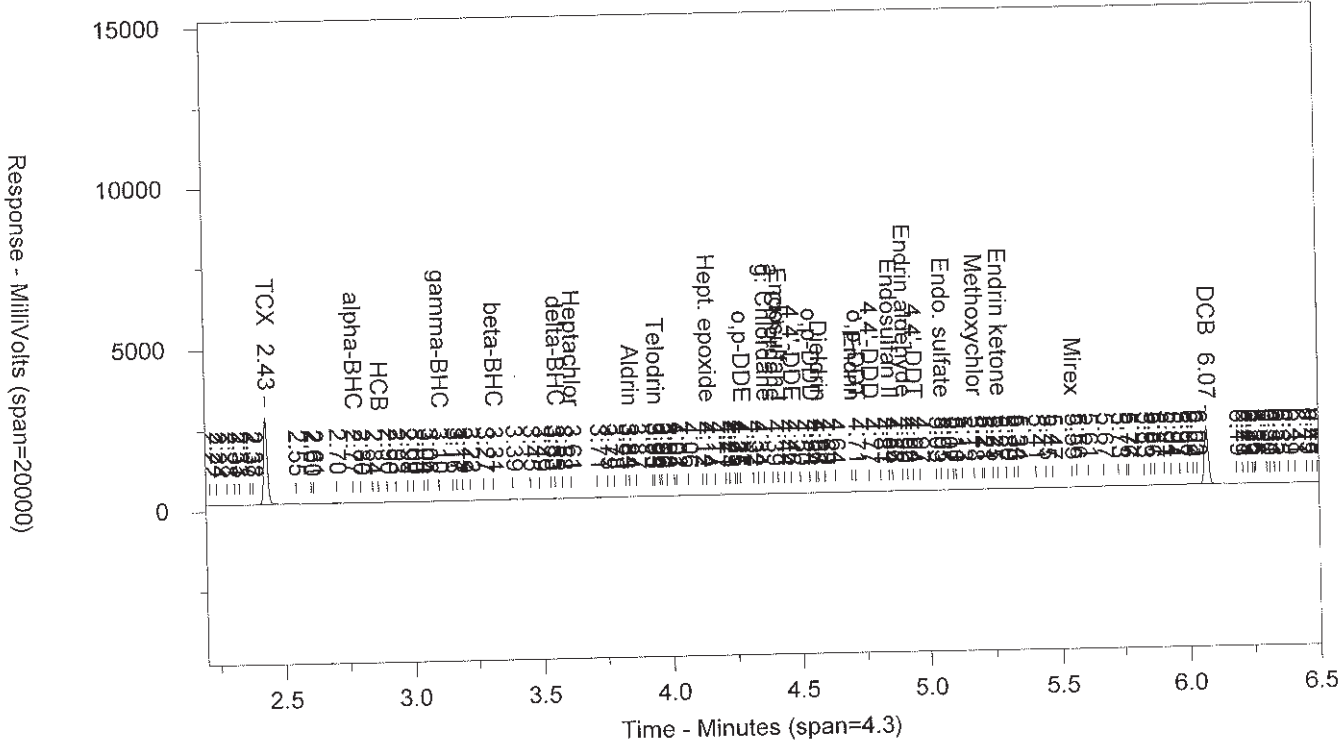
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 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
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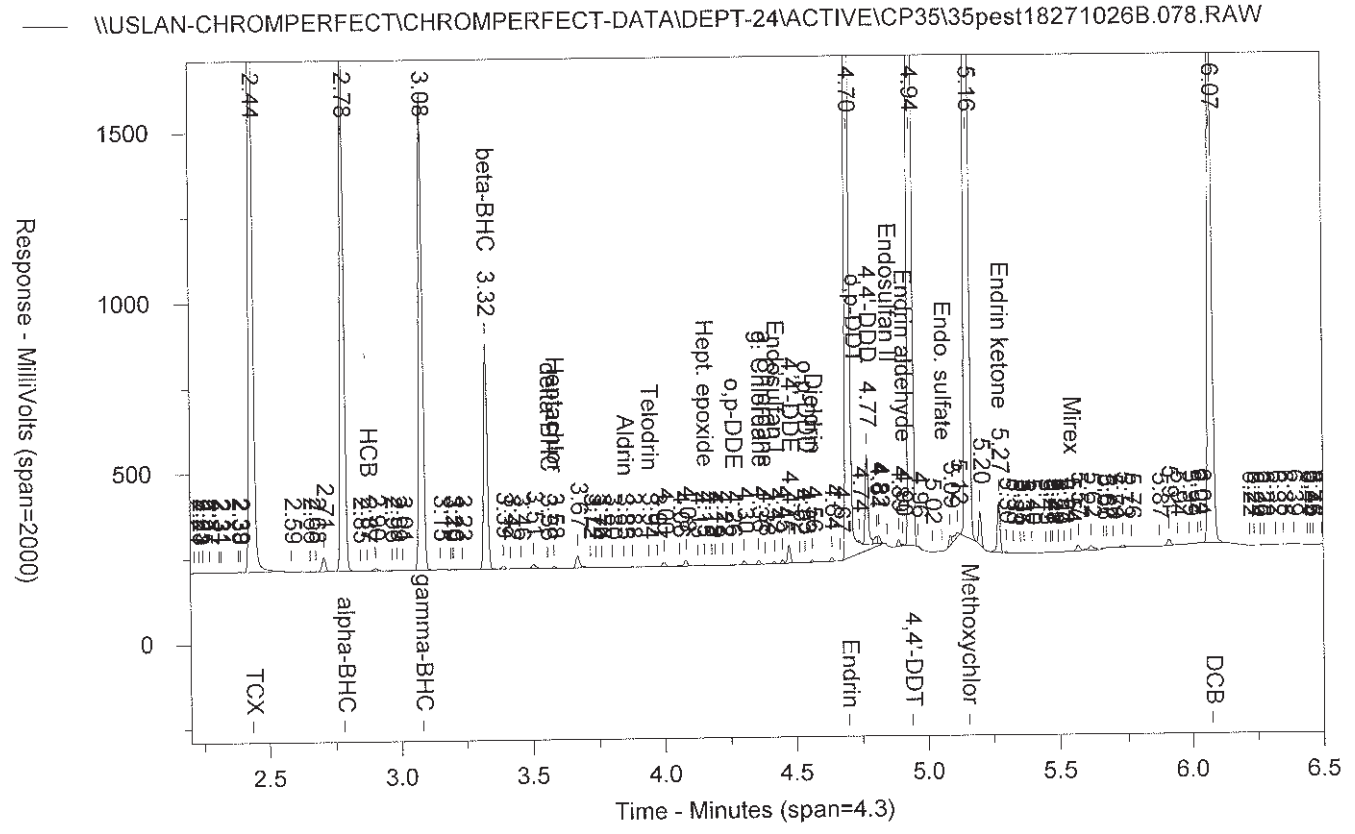
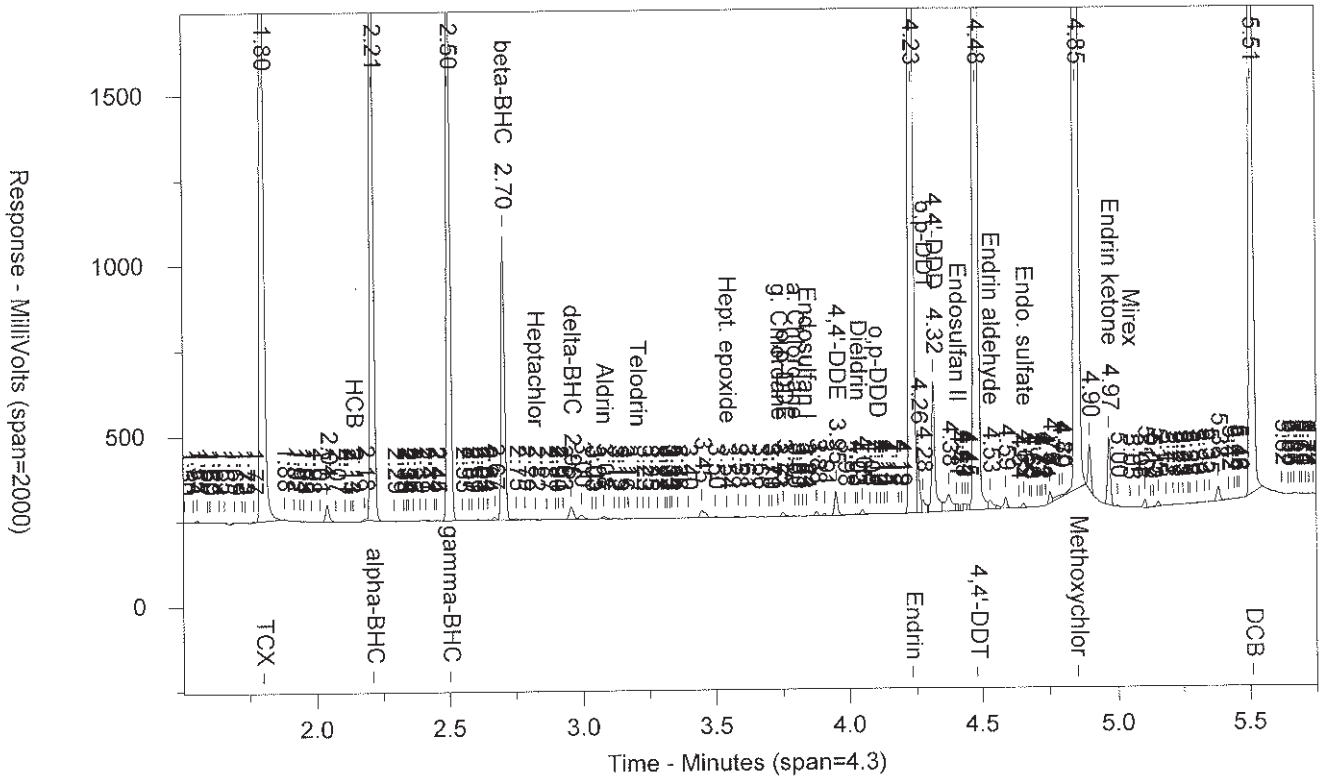
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EVALX1824B MYPEMMY PEM 183169999 00177 SW-846 8081A
\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026.078.RAW



Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: EVALX1824B MYPEMMY PEM 183169999 00177 SW-846 8081A
 Injected On: 11/14/2018 3:50:35 AM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.8	3296637	22.618	TCX	2.436	2663671	21.797	TCX
2.137	711	-.148	HCB	2.87	472	-.189	HCB
2.21	2405724	10.879	alpha-BHC	2.78	1702659	10.232	alpha-BHC
2.501	2016656	10.76	gamma-BHC	3.079	1398699	9.872	gamma-BHC
2.704	833933	10.385	beta-BHC	3.325	661204	10.055	beta-BHC
2.823	2151	.014	Heptachlor	3.583	5182	.037	Heptachlor
2.958	36352	.204	delta-BHC	3.558	480	.003	delta-BHC
3.077	6518	.039	Aldrin	3.845	566	.004	Aldrin
3.541	1267	.008	Hept. epoxide	4.152	3383	-.223	Hept. epoxide
3.734	1159	.006	g. Chlordane	4.358	12603	-.023	g. Chlordane
3.752	11345	-.379	o,p-DDE	4.258	1738	-.526	o,p-DDE
3.797	936	.005	a. Chlordane	4.384	450	-.189	a. Chlordane
3.839	1167	.007	Endosulfan I	4.419	5699	-.13	Endosulfan I
	0		Telodrin	3.94	485	-.218	Telodrin
3.95	70024	.37	4,4'-DDE	4.475	53222	.359	4,4'-DDE
4.031	2232	.012	Dieldrin	4.562	7349	.051	Dieldrin
4.103	505	-.378	o,p-DDD	4.535	1184	-.516	o,p-DDD
4.234	9462478	55.527	Endrin	4.699	6449881	54.923	Endrin
4.277	37289	.046	o,p-DDT		0		o,p-DDT
4.318	383907	2.028	4,4'-DDD	4.77	261585	1.818	4,4'-DDD
4.407	20412	.116	Endosulfan II		0		Endosulfan II
4.481	15814750	132.215	4,4'-DDT	4.935	11423650	106.912	4,4'-DDT
4.531	26011	.175	Endrin aldehyde	4.904	4285	-.145	Endrin aldehyde
4.654	13440	.172	Endo. sulfate		0		Endo. sulfate
4.853	20391060	317.124	Methoxychlor	5.157	14344850	252.508	Methoxychlor
4.968	197357	.886	Endrin ketone	5.273	150424	.885	Endrin ketone
5.046	1074	.008	Mirex	5.543	1989	-1.766	Mirex
5.509	4283625	25.644	DCB	6.074	1814559	26.185	DCB

Files:
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 Area File: 35pest18271026B.078.RAW
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 Method B: 35PESTDDB.MET
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EVALX1824B

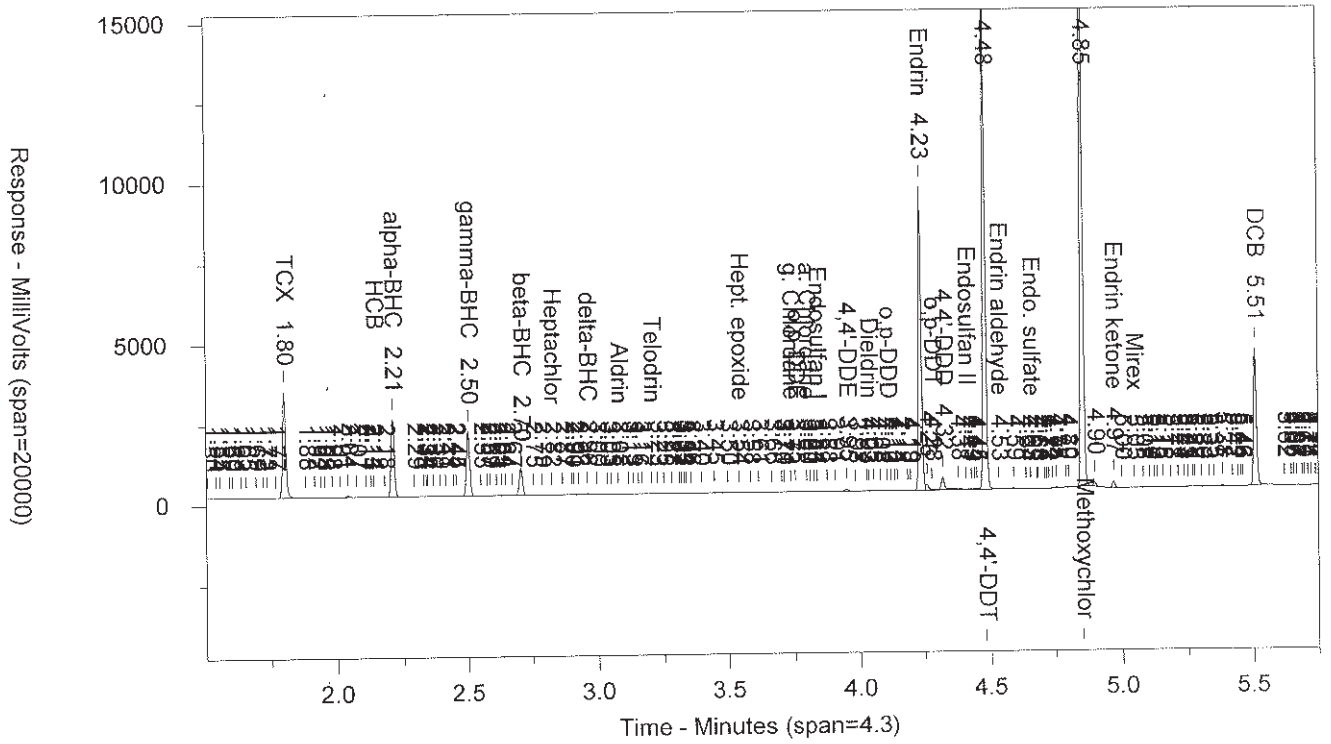
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PEM 183169999

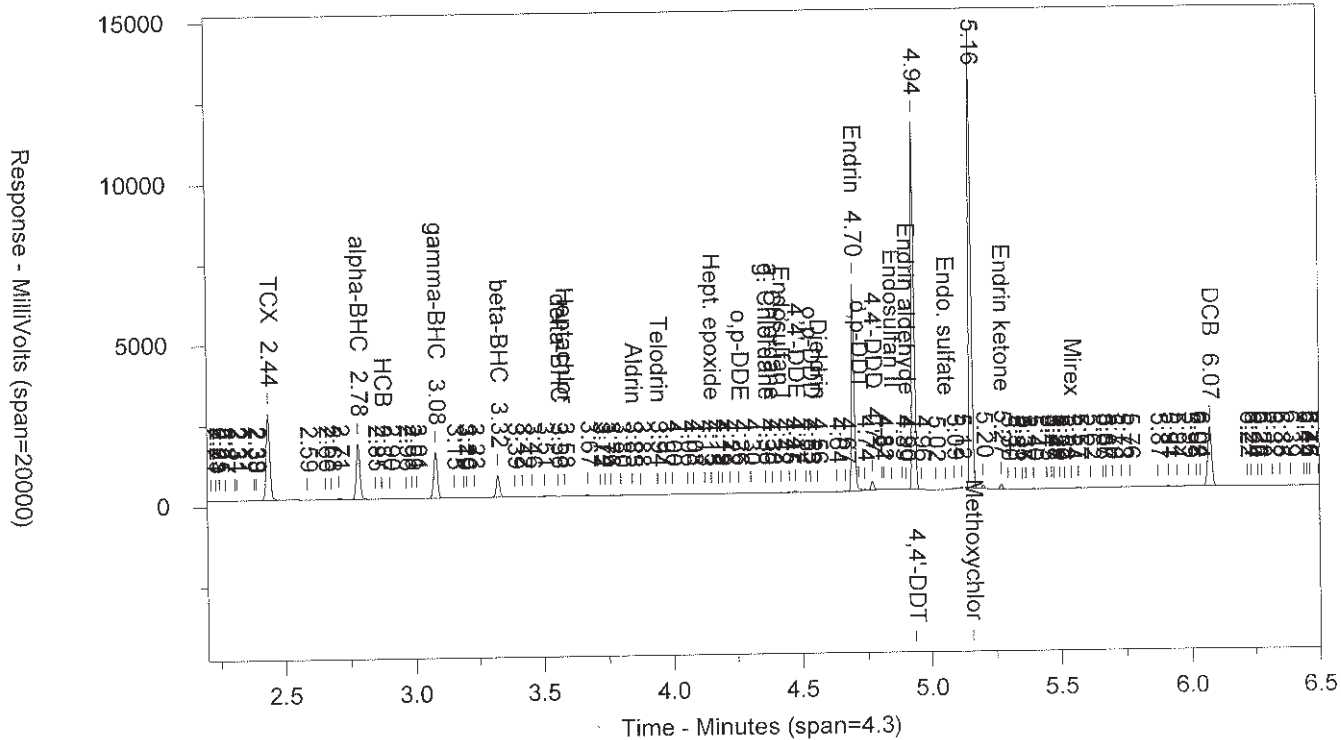
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SW-846 8081/

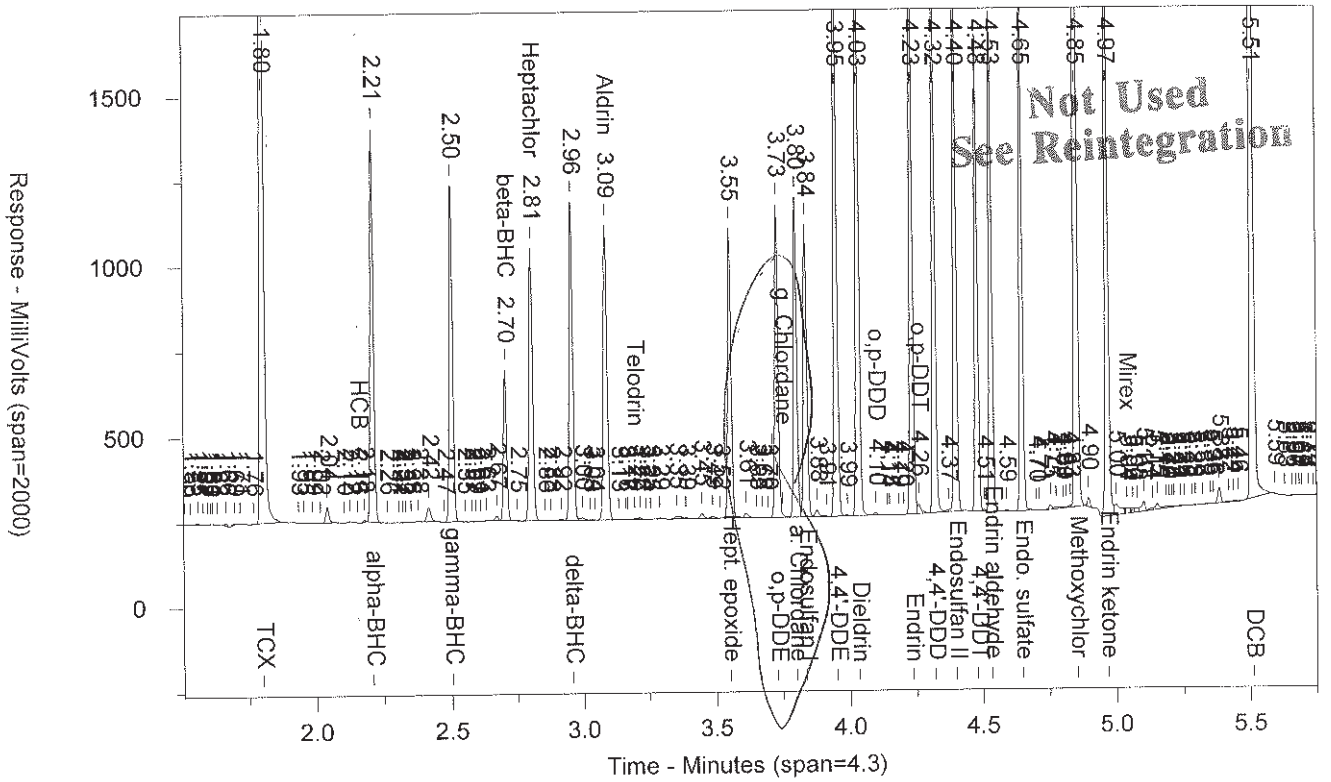
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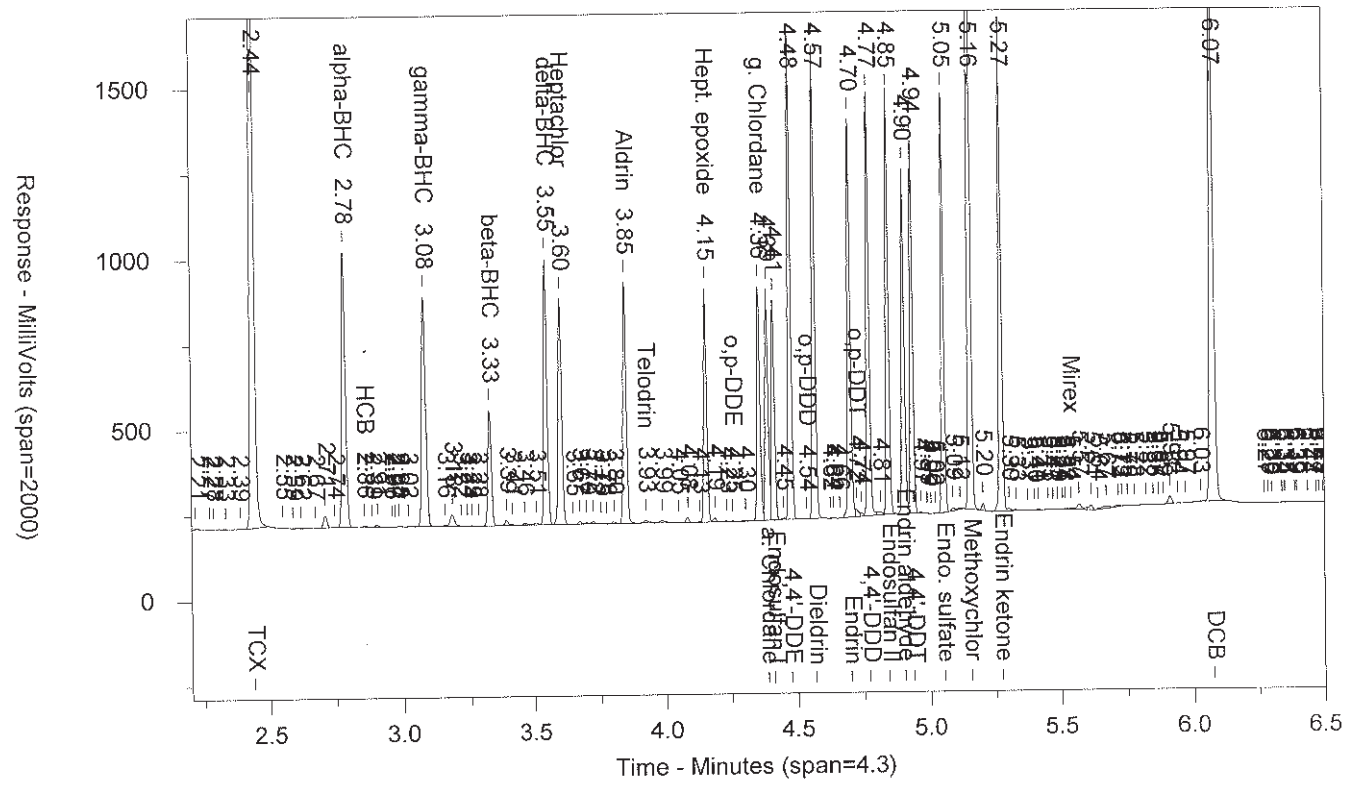
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MIXA31824B EXMIXA3EX CCAL 183169999 00177 SW-846 8081A
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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: MIXA31824B EXMIXA3EX CCAL 183169999 00177 SW-846 8081A
 Injected On: 11/14/2018 4:01:01 AM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

**Not Used
See Reintegration**

Threshold: 5
 Calibration Type: external
 Quantitation: Height

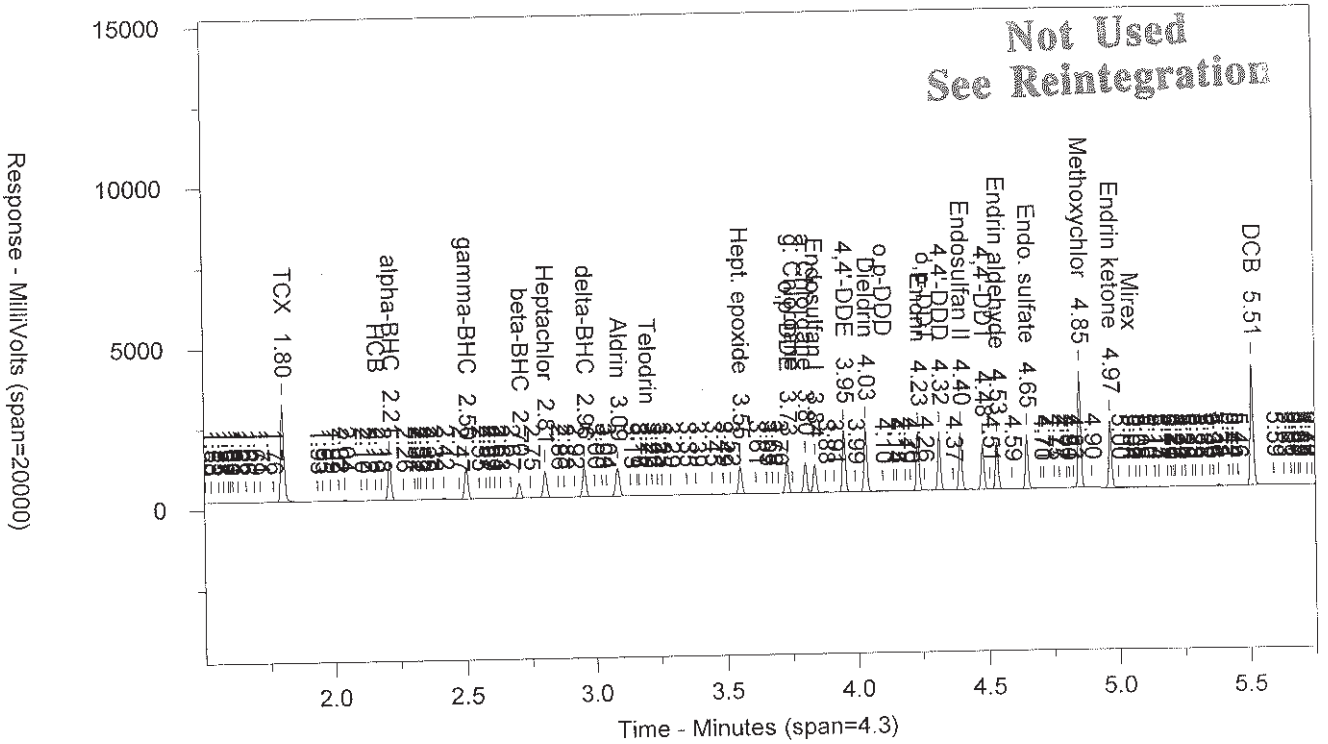
Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.8	3029136	20.783	TCX	2.437	2421887	19.818	TCX
2.156	916	-.146	HCB	2.857	4132	-.16	HCB
2.211	1155341	5.224	alpha-BHC	2.782	807904	4.855	alpha-BHC
2.501	988426	5.274	gamma-BHC	3.08	675172	4.765	gamma-BHC
2.704	440616	5.405	beta-BHC	3.325	338750	5.039	beta-BHC
2.805	799924	5.366	Heptachlor	3.601	665116	4.717	Heptachlor
2.957	935342	5.259	delta-BHC	3.546	780997	4.815	delta-BHC
3.086	864321	5.108	Aldrin	3.849	710877	4.672	Aldrin
3.197	3640	-.114	Telodrin	3.926	6460	-.159	Telodrin
3.554	850455	5.089	Hept. epoxide	4.153	688042	5.228	Hept. epoxide
3.73	920089	7.398	o,p-DDE	4.255	2189	-.521	o,p-DDE
3.8	942334	5.045	a. Chlordane	4.387	679800	4.946	a. Chlordane
3.837	858328	4.921	Endosulfan I	4.411	648141	4.98	Endosulfan I
3.95	1919474	10.143	4,4'-DDE	4.476	1426888	9.612	4,4'-DDE
4.033	1982706	10.356	Dieldrin	4.566	1392906	9.76	Dieldrin
4.097	6382	-.322	o,p-DDD	4.535	389	-.526	o,p-DDD
4.235	1777921	10.433	Endrin	4.7	1171647	9.835	Endrin
4.259	28628	-.029	o,p-DDT	4.722	23725	-.235	o,p-DDT
4.319	1801140	10.544	4,4'-DDD	4.771	1250225	9.656	4,4'-DDD
	0		g. Chlordane	4.356	689642	4.935	g. Chlordane
4.4	1792065	10.203	Endosulfan II	4.845	1255557	10.032	Endosulfan II
4.48	1401496	11.717	4,4'-DDT	4.937	1094190	10.24	4,4'-DDT
4.533	1469295	9.858	Endrin aldehyde	4.905	1016715	10.04	Endrin aldehyde
4.647	1667716	11.016	Endo. sulfate	5.054	1233759	10.494	Endo. sulfate
4.853	3628842	58.722	Methoxychlor	5.158	2873489	50.581	Methoxychlor
4.969	2100037	11.22	Endrin ketone	5.274	1463608	10.758	Endrin ketone
5.041	15988	.123	Mirex	5.538	2863	-1.752	Mirex
5.51	3782395	22.671	DCB	6.075	1673742	24.121	DCB

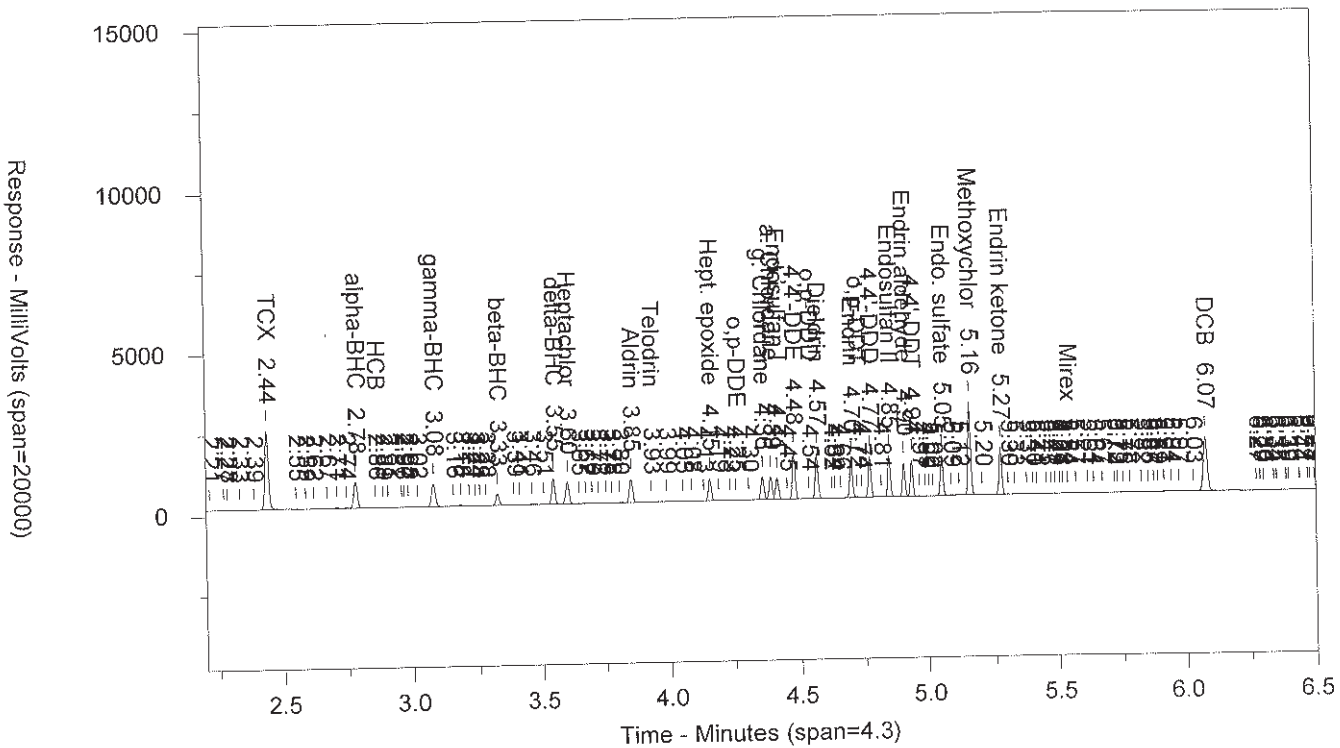
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 Format B: pestD35.FMTA
 Area File Created On: 11/14/2018 4:08:23 AM
 File Reported On: 11/14/2018 at 8:54:35 AM

MIXA31824B EXMIXA3EX CCAL 183169999 00177 SW-846 8081A

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026.079.RAW



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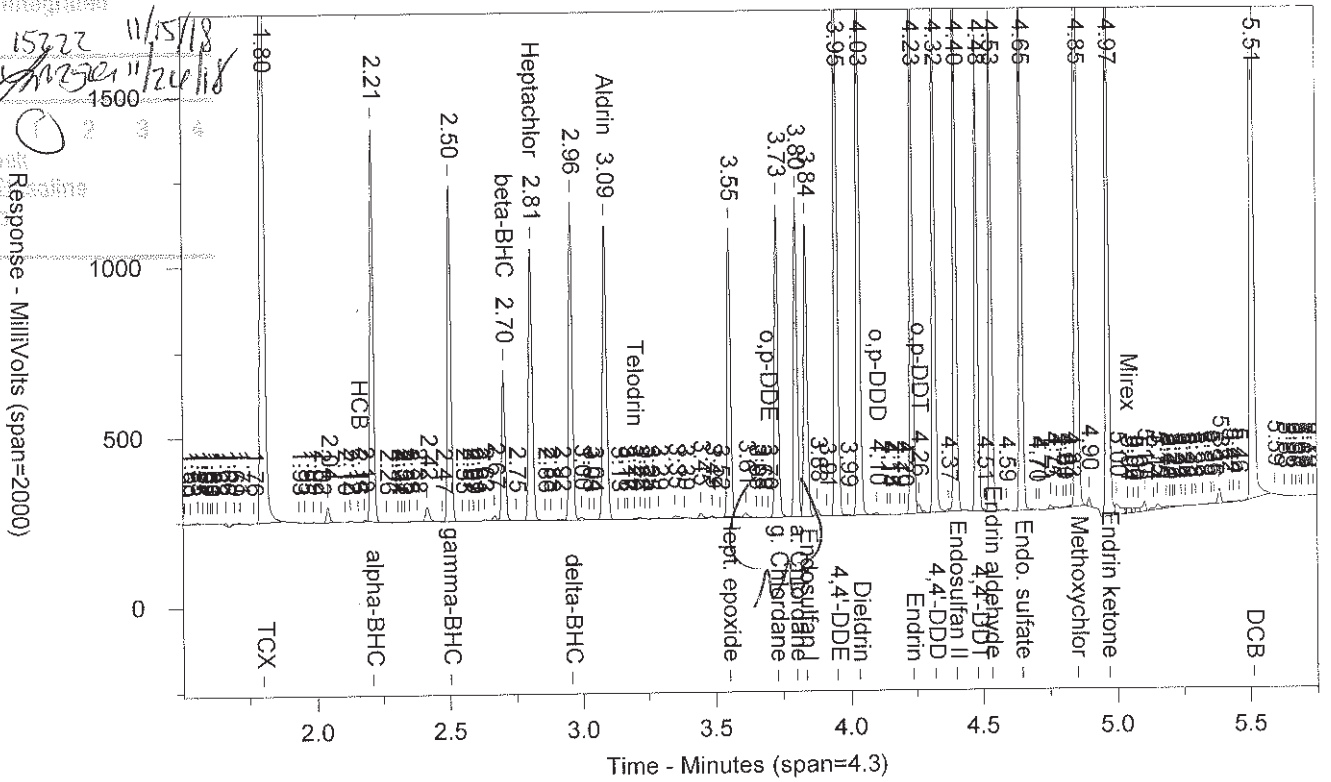
MIXA31824B EXMIXA3EX CCAL 183169999 00177 SW-846 8081A

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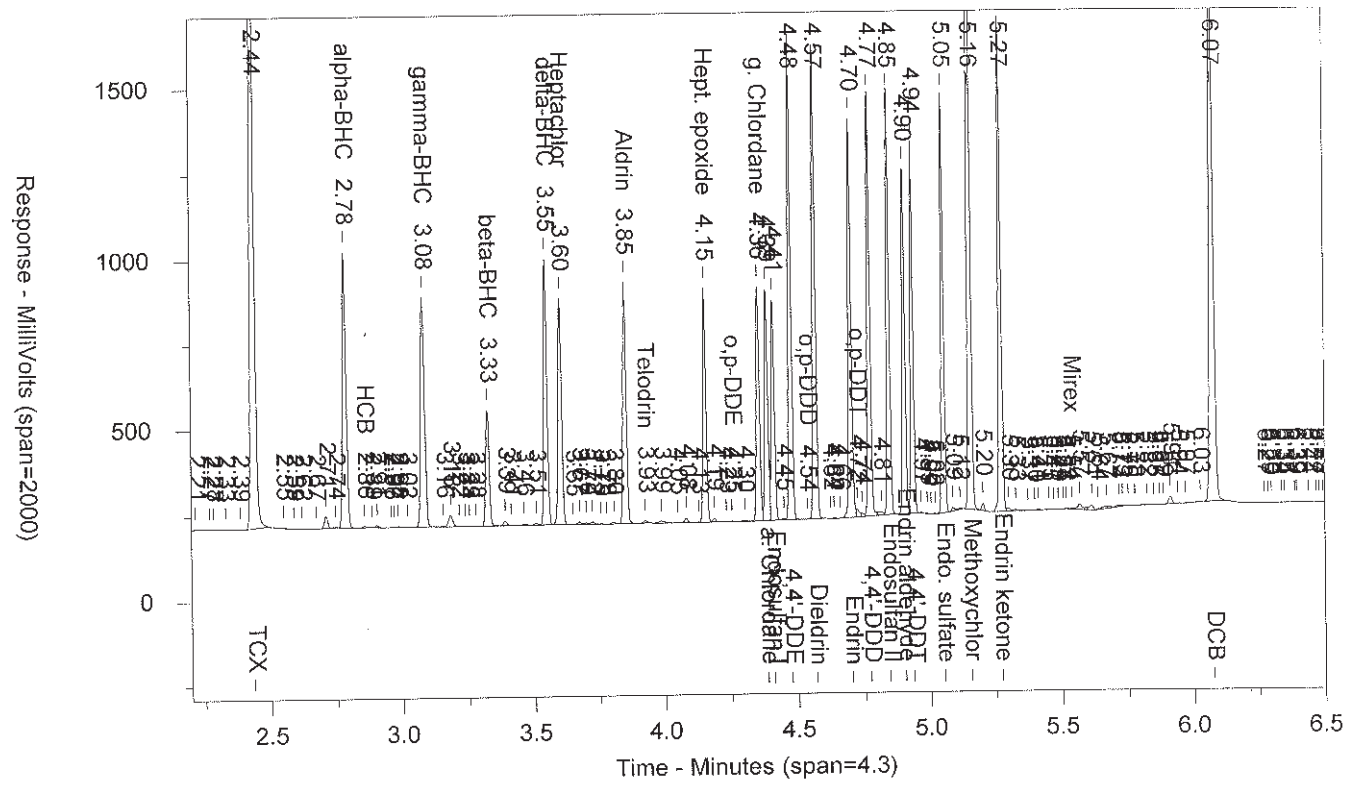
16 = Manually Integrated

Analyst: DSS 15722 11/15/18
Approved by: [Signature] 11/20/18

- Circle Reason
- 1 = Missed Peak
 - 2 = Improper Baseline
 - 3 = AT Update
 - 4 = Other



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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: MIXA31824B EXMIXA3EX CCAL 183169999 00177 SW-846 8081A
 Injected On: 11/14/2018 4:01:01 AM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

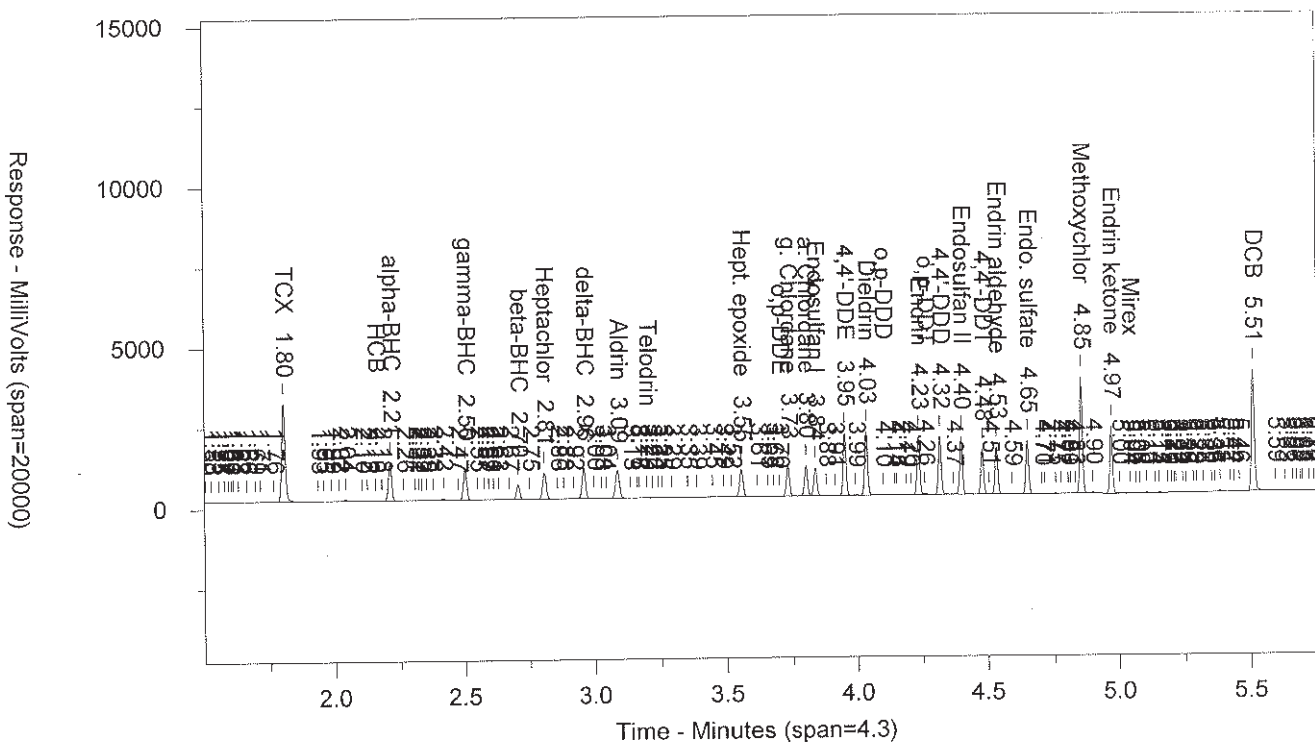
Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.8	3029136	20.783	TCX	2.437	2421887	19.818	TCX
2.156	916	-.146	HCB	2.857	4132	-.16	HCB
2.211	1155341	5.224	alpha-BHC	2.782	807904	4.855	alpha-BHC
2.501	988426	5.274	gamma-BHC	3.08	675172	4.765	gamma-BHC
2.704	440616	5.405	beta-BHC	3.325	338750	5.039	beta-BHC
2.805	799924	5.366	Heptachlor	3.601	665116	4.717	Heptachlor
2.957	935342	5.259	delta-BHC	3.546	780997	4.815	delta-BHC
3.086	864321	5.108	Aldrin	3.849	710877	4.672	Aldrin
3.197	3640	-.114	Telodrin	3.926	6460	-.159	Telodrin
3.554	850455	5.089	Hept. epoxide	4.153	688042	5.228	Hept. epoxide
3.697	922	-.468	o,p-DDE	4.255	2189	-.521	o,p-DDE
3.73	920089	4.961	g. Chlordane	4.356	689642	4.935	g. Chlordane
3.8	942334	5.045	a. Chlordane	4.387	679800	4.946	a. Chlordane
3.837	858328	4.921	Endosulfan I	4.411	648141	4.98	Endosulfan I
3.95	1919474	10.143	4,4'-DDE	4.476	1426888	9.612	4,4'-DDE
4.033	1982706	10.356	Dieldrin	4.566	1392906	9.76	Dieldrin
4.097	6382	-.322	o,p-DDD	4.535	389	-.526	o,p-DDD
4.235	1777921	10.433	Endrin	4.7	1171647	9.835	Endrin
4.259	28628	-.029	o,p-DDT	4.722	23725	-.235	o,p-DDT
4.319	1801140	10.544	4,4'-DDD	4.771	1250225	9.656	4,4'-DDD
4.4	1792065	10.203	Endosulfan II	4.845	1255557	10.032	Endosulfan II
4.48	1401496	11.717	4,4'-DDT	4.937	1094190	10.24	4,4'-DDT
4.533	1469295	9.858	Endrin aldehyde	4.905	1016715	10.04	Endrin aldehyde
4.647	1667716	11.016	Endo. sulfate	5.054	1233759	10.494	Endo. sulfate
4.853	3628842	58.722	Methoxychlor	5.158	2873489	50.581	Methoxychlor
4.969	2100037	11.22	Endrin ketone	5.274	1463608	10.758	Endrin ketone
5.041	15988	.123	Mirex	5.538	2863	-1.752	Mirex
5.51	3782395	22.671	DCB	6.075	1673742	24.121	DCB

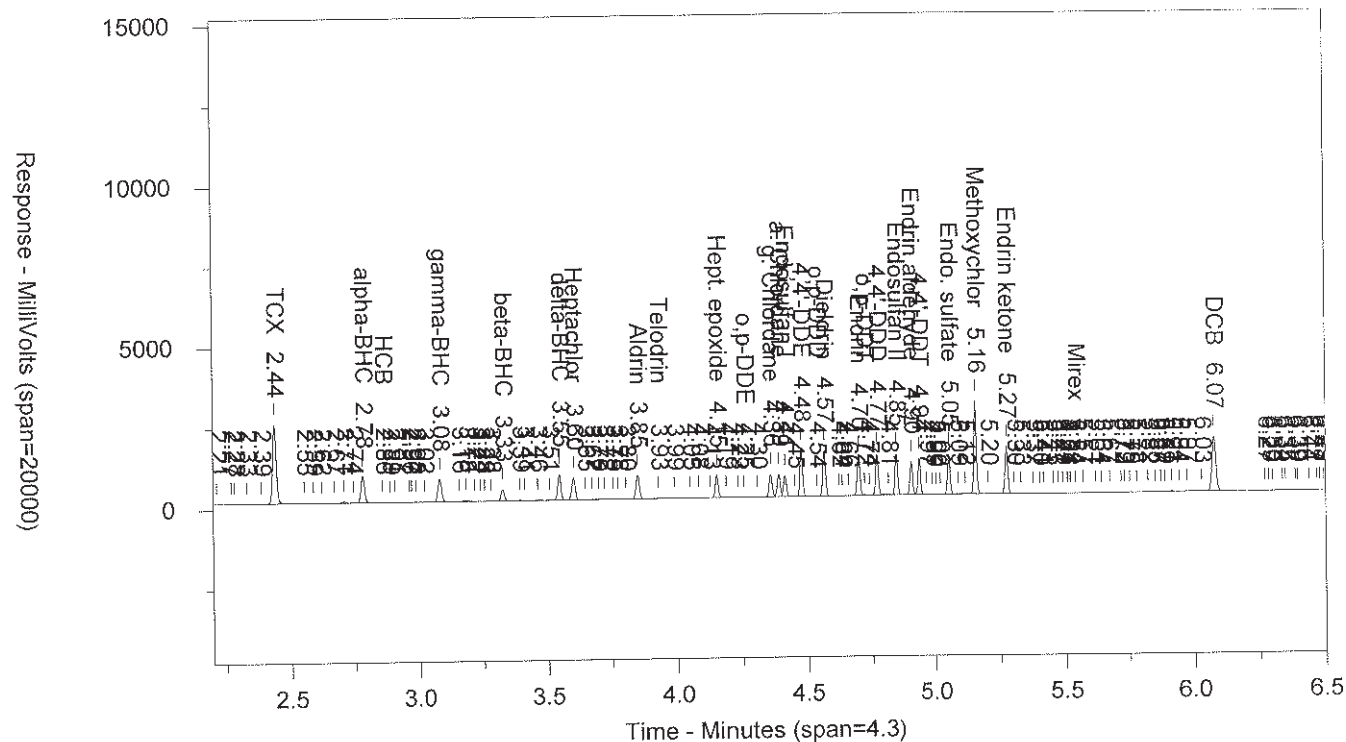
Files:
 Area File: 35pest18271026.079.BND
 Area File: 35pest18271026B.079.BND
 Method A: 35PESTD.MET
 Method B: 35PESTD.B.MET
 Calibration File A: 35pest1827109.CAL
 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 11/15/2018 2:54:55 PM
 File Reported On: 11/15/2018 at 3:00:43 PM

MIXA31824B EXMIXA3EX CCAL 1831699999 00177 SW-846 8081A

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LANCASTER LABORATORIES

Sample Number: TOXA41824E ZCTOXA4ZC CCAL 1831699999 00177 Analyst: 2306 SW-846 8081A
Injected On: 11/14/2018 4:11:33 AM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Date File: 35pest18271026.080.RAW
Method File: 35PESTD1.MET
Calibration File: 35pest1827109.CAL

RT A	Compound A	Height A	Area A
.02		377	154
.035		700	267
.051		854	175
.057		626	214
.081		706	236
.096		679	198
1.513		1682	1146
1.556		866	296
1.583		2709	2437
1.603		1717	896
1.633		559	306
1.658		5363	5357
1.684		1607	558
1.695		957	434
1.722		5692	8244
1.767		1334	1384
1.777		1151	345
1.788		2091	1902
1.821	TCX	1363	577
1.839		935	299
1.865		439	102
1.879		528	168
1.89		428	250
1.926		5129	6039
1.956		585	151
1.963		923	150
1.973		648	98
1.999		394	103
2.016		1186	741
2.055		1701	940
2.083		660	270
2.099		845	133
2.162	HCB	544	81
2.188		813	338
2.211	alpha-BHC	4040	2931
2.228		880	159
2.261		1475	866
2.278		758	420
2.316		1539	1057
2.338		572	305
2.343		1042	238
2.356		3479	2340
2.399		2007	2629
2.441		1754	973
2.47		8493	7061
2.492	gamma-BHC	3659	2991
2.537		7474	7962
2.579		7923	7138
2.63		10558	10159
2.682		8581	7443
2.703	beta-BHC	5582	3868
2.726		5014	3373
2.748		19109	26481
2.811	Heptachlor	4261	4885

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
2.83		9670	8857
2.855		8137	7049
2.879		3033	1739
2.918		9932	9403
2.956	delta-BHC	9797	7164
2.976		5840	8409
3.002		7817	6330
3.043		12344	13926
3.098	Aldrin	21452	24414
3.128		109347	121490
3.159		81174	86801
3.193	Telodrin	12400	11539
3.244		56008	127291
3.311		19181	17565
3.336		77505	96853
3.371		171786	223195
3.405		32865	28656
3.421		20672	15611
3.452		15317	14784
3.477		69591	77667
3.503		16768	12121
3.522		64992	54794
3.538		65173	51148
3.556	Hept. epoxide	103319	94784
3.572		103351	116440
3.603		53462	62917
3.652		43132	69117
3.686		122281	143426
3.713		215502	213890
3.73	o,p-DDE	113316	90084
3.769	g. Chlordane	329011	557791
3.809	a. Chlordane	46029	56016
3.839	Endosulfan I	132992	169255
3.879		189096	257625
3.927		264275	393308
3.97	4,4'-DDE	267057	381853
3.995		467144	419571
4.011		493891	475046
4.033	Dieldrin	402531	252988
4.044		487341	488990
4.082		186935	217379
4.098	o,p-DDD	128308	69698
4.119		489414	617759
4.15		450963	639547
4.17		365535	369892
4.184		296338	191255
4.204		461817	636841
4.231		341468	260388
4.248	Endrin	550667	569888
4.261	o,p-DDT	466866	374307
4.298		474683	622342
4.336	4,4'-DDD	1233859	1363042
4.365		1206501	1441591
4.389		501641	450917
4.418	Endosulfan II	1502571	1550010
4.444		702460	557763
4.465		382075	317397
4.481	4,4'-DDT	432288	361809
4.499		431496	558229
4.537	Endrin aldehyde	1187803	1376638
4.582		1132869	1569429
4.597		652814	442624
4.62		783700	765669
4.642	Endo. sulfate	515566	672802
4.668		891342	727502
4.699		111560	60664

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
4.712		361616	274286
4.738		401392	444069
4.756		303670	253476
4.771		566022	375519
4.796		1068622	1039664
4.838		386228	376966
4.866	Methoxychlor	1392743	1444287
4.892		428990	352997
4.922		113057	69247
4.935		38247	14649
4.947		61155	44458
4.973	Endrin ketone	324618	340297
5.009		339319	393282
5.044	Mirex	558921	456805
5.065		101553	64263
5.078		113478	90620
5.092		106455	118469
5.119		91963	58714
5.143		173560	187027
5.167		43948	24213
5.178		82706	50909
5.197		117228	105981
5.227		39842	17565
5.238		92805	130660
5.271		70383	47439
5.3		234780	161182
5.322		239383	198087
5.355		50358	43261
5.385		19155	15234
5.41		12608	10213
5.446		15797	10174
5.471		29197	31945
5.503		51997	44246
5.523	DCB	16906	9139
5.545		6931	4130
5.582		6693	8284
5.637		1424	1358
5.648		976	162
5.654		553	148
5.663		1712	1076
5.691		1434	1053
5.743		2622	2979
5.773		544	343
5.794		856	359
5.813		1949	1424
5.843		1066	565
5.875		746	152
5.914		685	357
5.925		676	109
5.944		600	206
5.96		692	195
5.976		1258	536
6.001		640	236
6.015		702	117
6.033		1245	314
6.045		542	224
6.058		1315	317
6.065		1495	658
6.084		555	151
6.105		779	328
6.122		955	176
6.144		436	241
6.161		719	185
6.179		716	184
6.195		707	156
6.21		646	244

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
6.217		1165	641
6.242		418	99
6.284		775	472
6.305		1535	1037
6.329		686	174
6.337		784	258
6.351		747	147
6.361		1091	230
6.383		851	270
6.403		690	222
6.425		773	147
6.443		817	342
6.462		580	101
6.471		844	234
6.488		920	363
6.51		1086	795
6.525		544	116
6.541		929	303
6.576		817	146
6.589		767	188
6.602		511	152
6.627		742	168
6.638		642	168
6.674		893	182
6.682		934	310
6.716		1198	450
6.726		794	150
6.746		672	395
6.774		660	160
6.816		718	129
6.822		859	303
6.843		634	105
6.859		643	362
6.9		1382	466
6.917		1143	367
6.932		1079	183
6.943		559	198
6.95		778	174
6.966		1163	644
6.999		1033	727
7.026		847	192
7.05		822	288
7.065		644	169
7.08		674	207
7.098		985	141
7.12		821	401
7.141		723	351
7.152		736	123
7.162		568	161
7.192		718	114
7.213		1082	1115
7.259		838	399
7.279		998	366
7.305		374	88
7.318		629	250

LANCASTER LABORATORIES

Sample Number: TOXA41824E ZCTOXA4ZC CCAL 1831699999 00177 Analyst: 2306 SW-846 8081A
Injected On: 11/14/2018 4:11:33 AM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Data File: 35pest18271026B.080.RAW
Method File: 35PESTDIB.MET
Calibration File: 35pest1827109B.CAL

RT B	Compound B	Height B	Area B
.05		372	186
1.527		766	971
1.573		505	123
1.594		1001	345
1.603		1200	776
1.632		1016	650
1.641		926	293
1.664		18670	18047
1.709		21585	21838
1.776		1085	575
1.79		1342	782
1.806		668	399
1.849		1078	483
1.862		2116	2075
1.888		2380	2891
1.922		2430	2261
1.963		502	216
1.991		498	108
2.036		746	529
2.043		530	117
2.089		2045	1880
2.142		3336	2896
2.179		928	1444
2.23		3245	3844
2.272		1233	766
2.319		1301	1073
2.365		754	702
2.401		507	266
2.439	TCX	877	418
2.459		2721	2693
2.544		1421	1755
2.577		605	221
2.608		817	626
2.678		1760	1310
2.699		669	255
2.744		576	206
2.782	alpha-BHC	1743	1303
2.804		3006	2266
2.843		4129	4534
2.892		1887	1846
2.926		2443	2346
2.946		596	138
2.983		2249	2597
3.014		638	468
3.06		1107	1433
3.101	gamma-BHC	858	893
3.113		537	183
3.155		1322	733
3.19		236	384
3.207		2912	2390
3.241		5153	7296
3.297		5729	8672
3.332	beta-BHC	904	600
3.356		2927	2437

Chrom Perfect Chromatogram Report

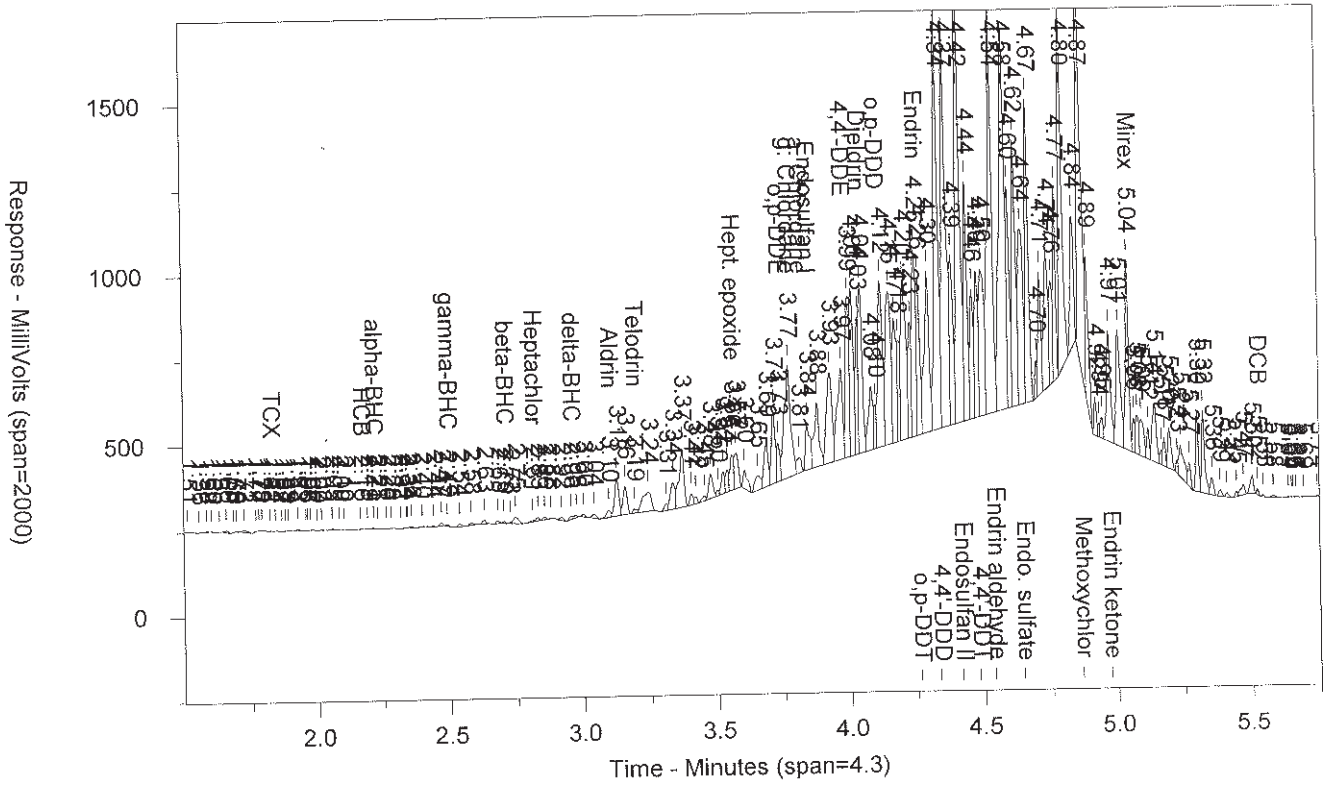
RT B	Compound B	Height B	Area B
3.389		6145	5901
3.427		11042	12153
3.469		9073	14104
3.501		649	244
3.518		581	372
3.541	delta-BHC	3055	2657
3.576		5406	4784
3.604	Heptachlor	7746	5505
3.622		4093	2472
3.66		10218	10334
3.679		3502	1912
3.724		12277	11184
3.765		12045	23068
3.82		83532	79364
3.844	Aldrin	112122	130564
3.887		1910	580
3.911		32913	54216
3.951	Telodrin	30517	25190
3.974		70755	107303
4.027		17170	13248
4.056		16657	14828
4.088		142727	149107
4.134	Hept. epoxide	102041	137480
4.19		79608	93940
4.217		2364	1424
4.239		63849	60856
4.263	o,p-DDE	144845	124493
4.298		190549	187024
4.318		61910	47235
4.345	g. Chlordane	90354	143318
4.378	a. Chlordane	128292	131053
4.423	Endosulfan I	106123	130991
4.444		48027	27698
4.469	4,4'-DDE	163568	161005
4.502		137553	120980
4.532	o,p-DDD	272753	243608
4.549		330431	270645
4.559	Dieldrin	287444	172156
4.582		108398	67369
4.598		101371	69646
4.614		193631	128941
4.639		331570	264272
4.662		436191	427027
4.686		216945	154057
4.698	Endrin	299705	232743
4.719	o,p-DDT	750742	696023
4.738		226753	252618
4.765	4,4'-DDD	266976	276266
4.797		262880	263582
4.82		594123	491645
4.845	Endosulfan II	612598	726920
4.862		251950	86046
4.882		937463	1007967
4.907	Endrin aldehyde	502950	488860
4.928	4,4'-DDT	141579	94783
4.966		638102	564808
5.012		972292	1337036
5.051	Endo. sulfate	721330	707518
5.076		275615	156147
5.109		336566	254121
5.124		82085	37038
5.136		198549	97850
5.158	Methoxychlor	340055	237083
5.172		124855	74474
5.201		536635	628990
5.223		697953	852898

Chrom Perfect Chromatogram Report

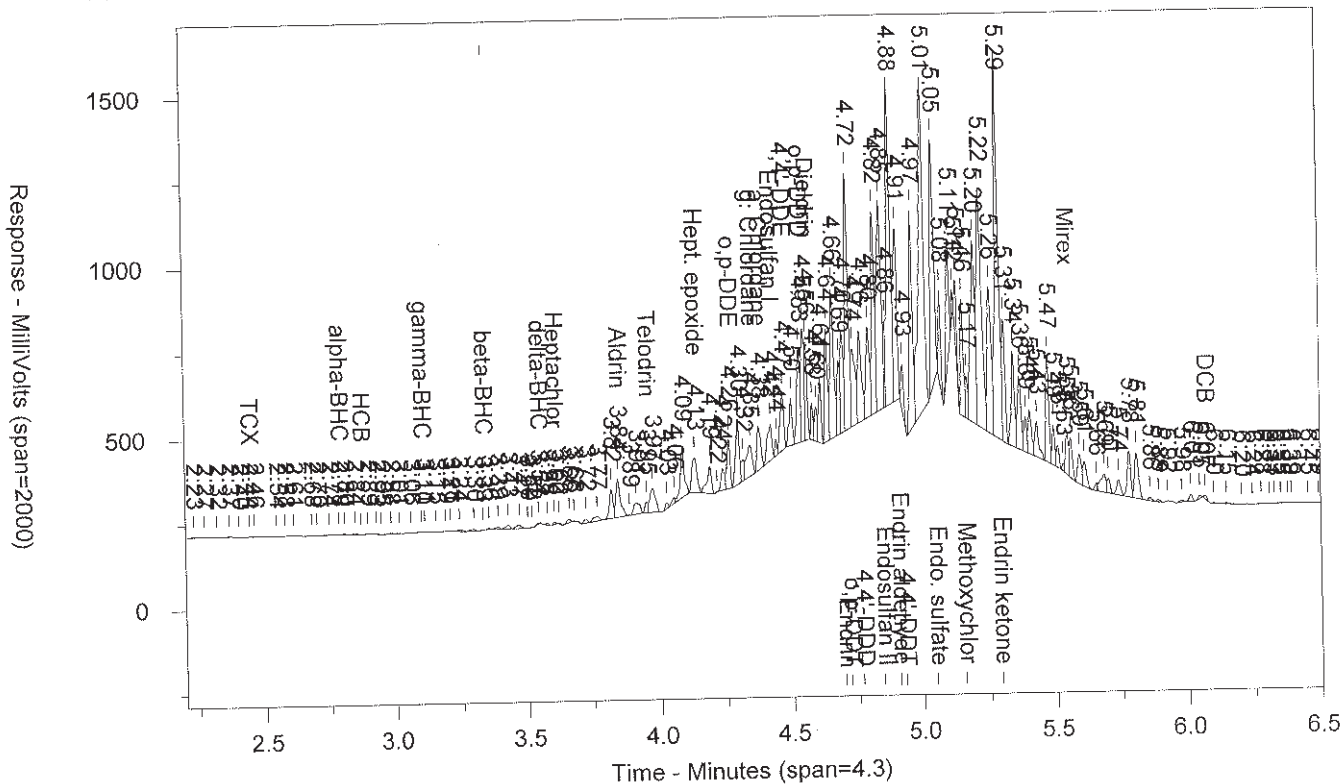
RT B	Compound B	Height B	Area B
5.258		429006	435225
5.289	Endrin ketone	1135450	1138549
5.309		361093	244322
5.342		279998	234247
5.365		214588	197933
5.387		102326	77156
5.403		129628	114223
5.429		102878	106774
5.472		310303	250022
5.494		117551	82365
5.51		65251	44682
5.53		22146	11061
5.546	Mirex	132266	106835
5.56		117160	92398
5.593		87891	89470
5.613		73077	71003
5.657		22095	12721
5.687		53634	79746
5.704		42552	33570
5.741		43999	46419
5.782		135150	127663
5.809		133220	135801
5.859		9482	8456
5.891		6497	5493
5.924		1004	519
5.979		5571	5920
6.014		20039	17552
6.048		10526	8557
6.067	DCB	8650	7726
6.098		2410	1515
6.147		3518	4224
6.203		450	133
6.244		594	235
6.278		2815	2893
6.307		555	226
6.327		404	133
6.348		547	272
6.376		702	232
6.387		460	185
6.449		823	313
6.492		576	203
6.563		596	277
6.6		472	133
6.62		652	141
6.652		641	309
6.694		370	167
6.71		645	155
6.726		565	181
6.734		701	150
6.802		664	128
6.848		427	130
6.916		674	231
6.931		729	335
6.957		684	180
7.041		609	123
7.055		874	472
7.087		566	179
7.097		816	331
7.138		797	574
7.157		598	155
7.175		395	165
7.189		544	119
7.213		618	442
7.226		843	238
7.28		661	120
7.299		503	198

TOXA41824E ZCTOXA4ZC CCAL 183169999 00177 SW-846 8081

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\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.080.RAW



Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: TOXA41824E ZCTOXA4ZC CCAL 1831699999 00177 SW-846 8081A
 Injected On: 11/14/2018 4:11:33 AM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

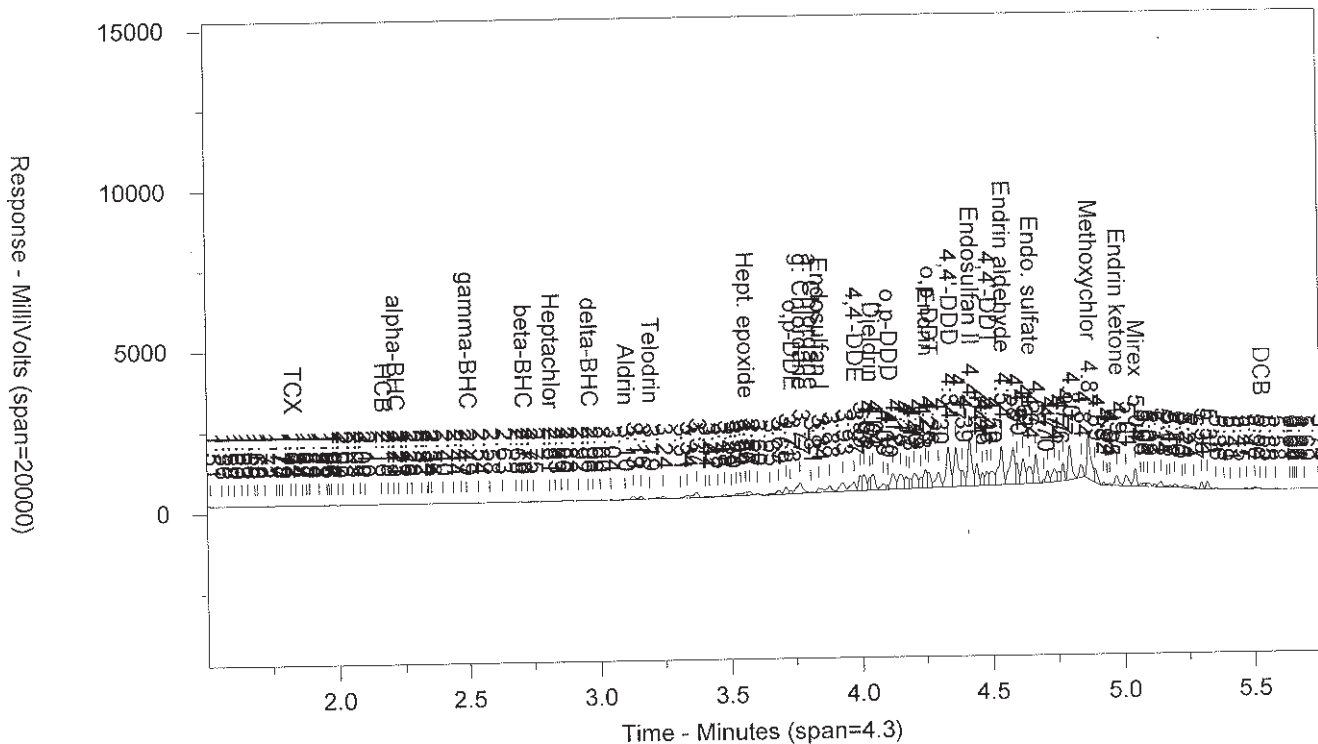
Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.821	1363	.009	TCX	2.439	877	.007	TCX
2.162	544	-.149	HCB		0		HCB
2.211	4040	.018	alpha-BHC	2.782	1743	.01	alpha-BHC
2.492	3659	.02	gamma-BHC	3.101	858	.006	gamma-BHC
2.703	5582	-.104	beta-BHC	3.332	904	-.217	beta-BHC
2.811	4261	.029	Heptachlor	3.604	7746	.055	Heptachlor
2.956	9797	.055	delta-BHC	3.541	3055	.019	delta-BHC
3.098	21452	.127	Aldrin	3.844	112122	.737	Aldrin
3.193	12400	-.041	Telodrin	3.951	30517	.081	Telodrin
3.556	103319	.618	Hept. epoxide	4.134	102041	.562	Hept. epoxide
3.73	113316	.494	o,p-DDE	4.263	144845	1.11	o,p-DDE
3.769	329011	1.774	g. Chlordane	4.345	90354	.547	g. Chlordane
3.809	46029	.246	a. Chlordane	4.378	128292	.777	a. Chlordane
3.839	132992	.762	Endosulfan I	4.423	106123	.669	Endosulfan I
3.97	267057	1.411	4,4'-DDE	4.469	163568	1.102	4,4'-DDE
4.033	402531	2.103	Dieldrin	4.559	287444	2.014	Dieldrin
4.098	128308	.832	o,p-DDD	4.532	272753	2.974	o,p-DDD
4.248	550667	3.231	Endrin	4.698	299705	2.386	Endrin
4.261	466866	3.796	o,p-DDT	4.719	750742	8.324	o,p-DDT
4.336	1233859	7.135	4,4'-DDD	4.765	266976	1.861	4,4'-DDD
4.418	1502571	8.555	Endosulfan II	4.845	612598	4.759	Endosulfan II
4.481	432288	3.614	4,4'-DDT	4.928	141579	1.325	4,4'-DDT
4.537	1187803	7.969	Endrin aldehyde	4.907	502950	4.872	Endrin aldehyde
4.642	515566	3.463	Endo. sulfate	5.051	721330	6.039	Endo. sulfate
4.866	1392743	24.251	Methoxychlor	5.158	340055	5.986	Methoxychlor
4.973	324618	1.578	Endrin ketone	5.289	1135450	8.291	Endrin ketone
5.044	558921	4.287	Mirex	5.546	132266	.33	Mirex
5.523	16906	.329	DCB	6.067	8650	-.282	DCB

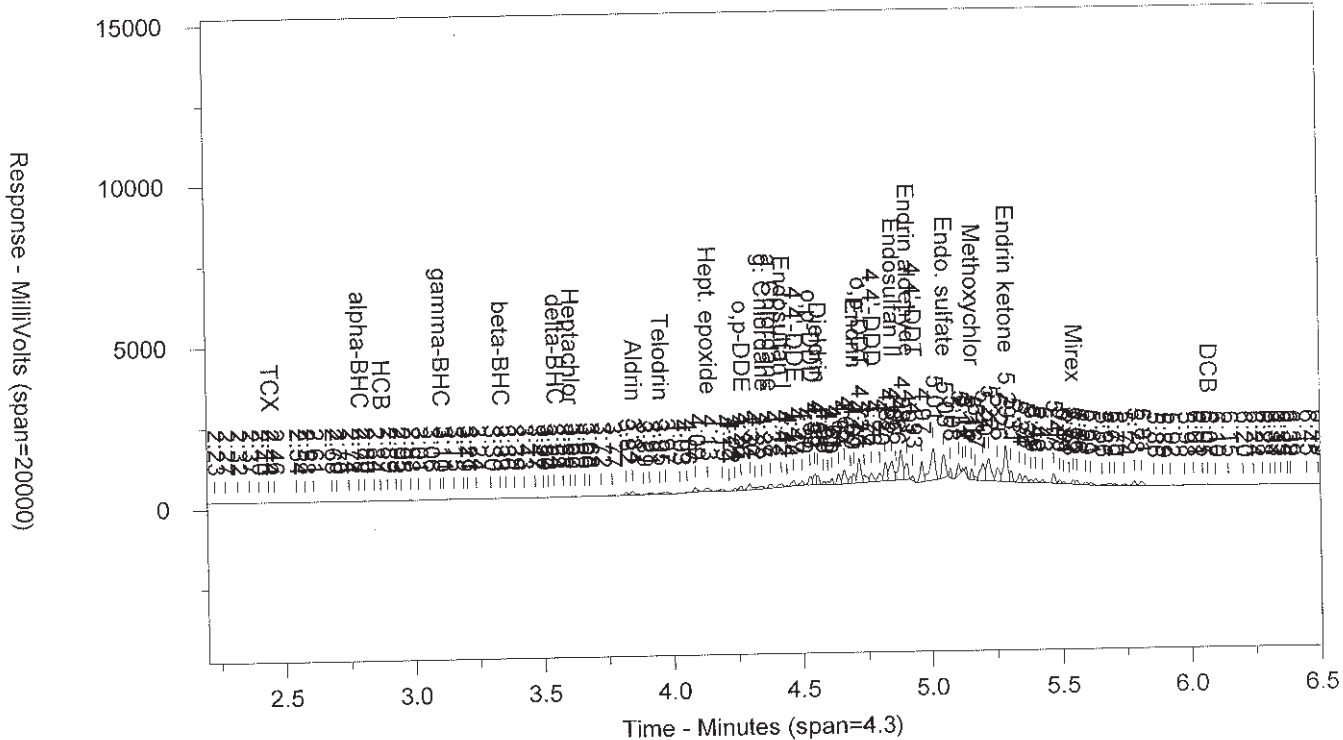
Files:
 Area File: 35pest18271026.080.RAW
 Area File: 35pest18271026B.080.RAW
 Method A: 35PESTD1.MET
 Method B: 35PESTD1B.MET
 Calibration File A: 35pest1827109.CAL
 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 11/14/2018 4:18:54 AM
 File Reported On: 11/14/2018 at 8:54:45 AM

TOXA41824E ZCTOXA4ZC CCAL 183169999 00177 SW-846 8081

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\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.080.RAW



Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD41824D FACHLD4FA CCAL 1831699999 00177 Analyst: 2306 SW-846 8081A
 Injected On: 11/14/2018 4:22:02 AM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB CLP2 30m x 0.32mm x 0.25um
 Date File: 35pest18271026.081.RAW
 Method File: 35PESTDI.MET
 Calibration File: 35pest1827109.CAL

RT A	Compound A	Height A	Area A
.011		688	133
.018		1110	242
.031		523	191
.044		1313	277
.058		797	263
.078		887	228
.089		932	335
1.503		4053	1685
1.531		1027	281
1.544		1638	690
1.62		1576	1752
1.667		10983	8702
1.7		7222	6186
1.738		1156	843
1.776		1357	1501
1.812	TCX	753	208
1.835		288448	266723
1.875		523	154
1.906		822	233
1.925		886	417
1.946		1333	571
1.969		1453	350
2.022		595	428
2.056		2676	2630
2.078		1611	967
2.107		53041	44879
2.158	HCB	39502	41392
2.199	alpha-BHC	851	267
2.243		3728	4044
2.285		540	194
2.324		682	397
2.339		791	387
2.365		1821	2126
2.38		1395	523
2.42		67049	74057
2.449		12826	9224
2.482		4353	3535
2.506	gamma-BHC	1001	229
2.533		41941	39101
2.576		21129	24389
2.607		24557	25341
2.653		503892	485082
2.692	beta-BHC	66380	66702
2.752		8007	8446
2.809	Heptachlor	618800	628177
2.843		39011	38304
2.866		4936	4630
2.901		87557	95747
2.927		34052	35152
2.956	delta-BHC	4670	1704
3.001		62735	82251
3.047		11660	15275
3.063		10034	6742
3.084	Aldrin	21838	27130

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
3.114		57353	72438
3.146		55164	89225
3.227		342690	586548
3.284		69405	79938
3.335		178593	212219
3.354		62237	61794
3.389		63677	77013
3.412		49684	56402
3.434		20976	16705
3.458		47096	82611
3.518		109460	104053
3.542	Hept. epoxide	22043	30098
3.581		412628	480118
3.617		270130	253560
3.643		132828	116193
3.662		217994	235550
3.688		32573	17397
3.71		146778	161654
3.734	g. Chlordane	1741278	1512416
3.753	o,p-DDE	1352824	1182286
3.779		761229	638918
3.804	a. Chlordane	1371596	1203516
3.846	Endosulfan I	142008	180346
3.893		81482	103819
3.933		32985	28094
3.949	4,4'-DDE	43496	44577
3.965		38977	35968
3.989		184689	163879
4.028	Dieldrin	101784	126626
4.083	o,p-DDD	105146	98174
4.102		30214	17428
4.124		51021	88980
4.159		27867	23130
4.173		67572	60084
4.221		104904	198748
4.25	Endrin	54199	33061
4.272	o,p-DDT	517760	502397
4.298		70130	49390
4.339	4,4'-DDD	39180	51304
4.37		106195	86576
4.391	Endosulfan II	67497	78671
4.419		680197	542159
4.461		30230	52981
4.482	4,4'-DDT	21648	15263
4.499		18349	16048
4.516		17077	14058
4.539	Endrin aldehyde	10894	11538
4.562		7507	6375
4.609		135031	120894
4.641	Endo. sulfate	59238	62197
4.665		8637	6432
4.683		9147	8642
4.709		7496	5710
4.742		16865	14391
4.769		16524	12801
4.783		14394	11997
4.814		6557	6438
4.835		4269	1959
4.872	Methoxychlor	8571	7970
4.908		14218	12787
4.927		17004	15454
4.96	Endrin ketone	1295	795
5.009		101423	130112
5.045	Mirex	18829	14841
5.072		24305	60938
5.131		63569	54813

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
5.151		14056	11916
5.182		10916	15582
5.202		1495	973
5.228		983	282
5.245		1164	519
5.284		8029	9161
5.297		4301	2370
5.328		3771	2582
5.343		1037	259
5.364		11464	14994
5.399		2744	1502
5.407		2130	714
5.418		2106	1613
5.433		1374	328
5.46		2996	2165
5.482		1462	873
5.523	DCB	25957	30593
5.563		1975	1466
5.577		1283	223
5.599		992	442
5.614		604	112
5.623		975	369
5.639		774	264
5.658		828	174
5.681		1010	369
5.717		2232	1542
5.734		831	104
5.744		1822	886
5.762		600	106
5.779		1378	1026
5.797		833	184
5.804		858	284
5.822		1461	768
5.831		656	119
5.844		627	200
5.861		1859	2125
5.908		1046	513
5.924		1072	182
5.943		599	201
5.968		1974	1665
5.979		1197	280
5.988		791	178
6.006		844	270
6.02		.697	110
6.045		938	505
6.06		3917	3543
6.091		1323	928
6.119		1136	242
6.16		957	427
6.177		802	264
6.196		765	219
6.216		656	185
6.229		1034	435
6.244		709	184
6.259		901	504
6.276		525	80
6.317		992	161
6.349		603	458
6.356		781	169
6.385		903	370
6.4		624	338
6.424		1310	407
6.433		1069	261
6.454		958	431
6.496		874	224
6.523		734	354

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
6.54		955	154
6.55		782	187
6.576		745	271
6.593		639	195
6.602		978	258
6.627		731	264
6.664		931	438
6.708		622	186
6.715		653	150
6.743		743	168
6.754		763	162
6.772		911	203
6.785		702	293
6.809		770	123
6.816		1349	271
6.839		558	257
6.883		601	225
6.89		666	148
6.898		933	320
6.909		898	425
6.922		866	151
6.937		571	316
6.951		797	211
6.959		1008	281
6.967		628	118
6.992		789	264
7.048		523	110
7.059		1073	211
7.067		1118	213
7.079		585	199
7.087		751	126
7.1		611	233
7.13		964	236
7.151		1039	218
7.194		1066	352
7.204		762	142
7.218		939	222
7.226		417	123
7.243		627	178
7.294		684	204
7.309		969	247
7.322		547	203

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD41824D FACHLD4FA CCAL 183169999 00177 Analyst: 2306 SW-846 8081A
Injected On: 11/14/2018 4:22:02 AM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Data File: 35pest18271026B.081.RAW
Method File: 35PESTDIB.MET
Calibration File: 35pest1827109B.CAL

RT B	Compound B	Height B	Area B
.032		507	107
.061		359	89
.074		712	144
1.558		7165	14539
1.597		11313	14113
1.662		29147	31875
1.699		951	329
1.719		1816	862
1.756		37489	42407
1.814		404	106
1.856		2578	2157
1.891		31185	32428
1.918		2270	2026
1.967		17714	17628
2.003		737	486
2.036		570	261
2.093		4352	5259
2.141		8489	7396
2.173		5797	4345
2.197		3743	6892
2.249		400	168
2.264		3021	2718
2.314		650	670
2.356		322	98
2.398		1075	727
2.43	TCX	232257	228761
2.495		584	96
2.52		749	381
2.541		1615	1352
2.589		632	468
2.615		471	164
2.628		853	641
2.671		447	259
2.743		6297	8154
2.801	alpha-BHC	31976	28037
2.826		18840	15347
2.894		1916	1664
2.956		720	610
2.967		533	83
2.982		739	405
3.024		4147	4546
3.065	gamma-BHC	10125	8987
3.101		8854	10938
3.151		11689	11808
3.182		44892	51847
3.214		10122	9243
3.293		33524	33841
3.338	beta-BHC	14109	12896
3.366		2382	1656
3.387		2932	2326
3.427		407576	406523
3.515		1472	1442
3.553	delta-BHC	12540	15076
3.599	Heptachlor	565058	545882

Chrom Perfect Chromatogram Report

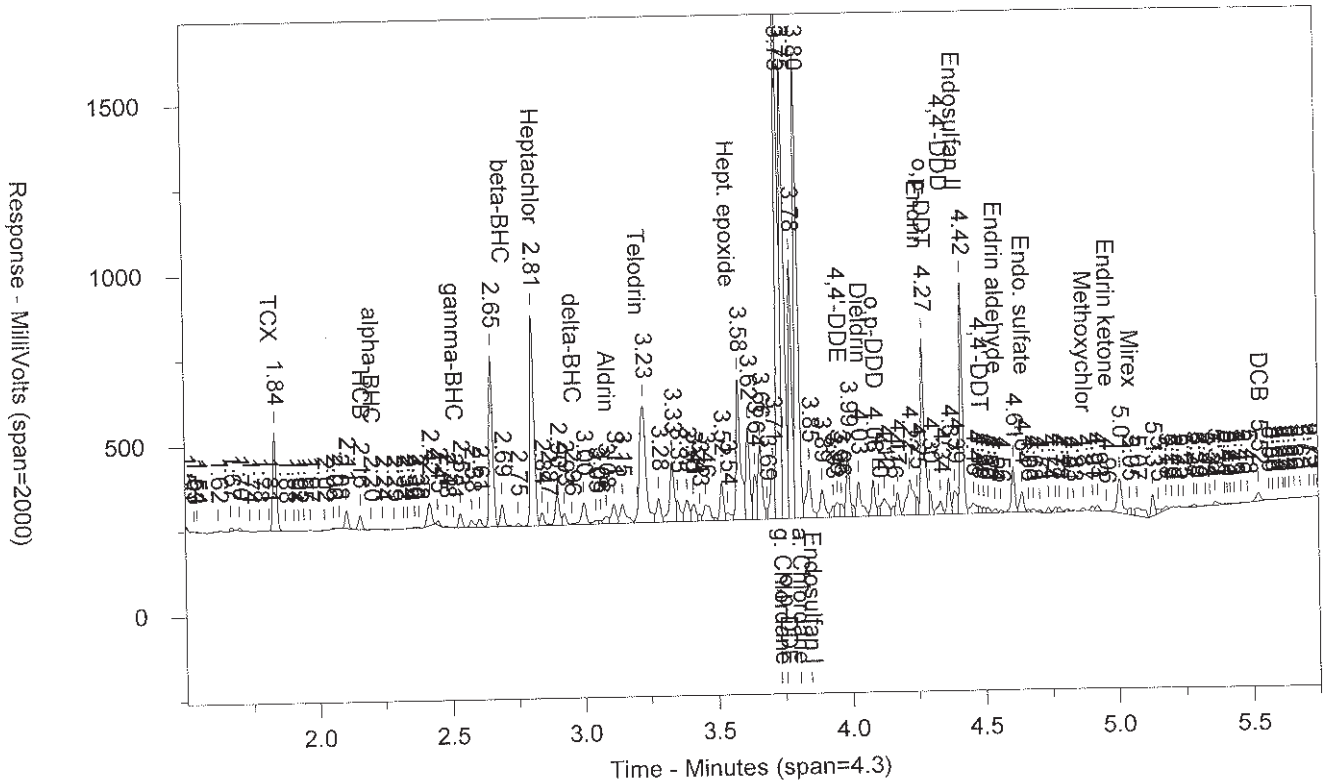
RT B	Compound B	Height B	Area B
3.63		42267	35133
3.649		69215	72344
3.683		4135	4189
3.708		12680	15901
3.751		15679	16868
3.779		16400	15774
3.814		71632	93282
3.856	Aldrin	391737	367411
3.882		51345	50804
3.918		60246	73369
3.951	Telodrin	39702	41767
3.989		54507	76123
4.008		50089	48190
4.025		33728	24467
4.058		181515	254767
4.105		18637	26896
4.126		14049	11628
4.153	Hept. epoxide	66792	60391
4.175		403405	389025
4.21		215779	205922
4.226		92643	77644
4.257	o,p-DDE	52206	65885
4.29		48252	38211
4.309		217998	208789
4.326		119962	73279
4.354	g. Chlordane	1636557	1400931
4.385	a. Chlordane	1055513	869489
4.413	Endosulfan I	1037143	843802
4.45		49305	47059
4.466		25777	18527
4.486	4,4'-DDE	25564	38672
4.54	o,p-DDD	150356	165025
4.582	Dieldrin	102180	114006
4.627		22970	18334
4.649		39733	57382
4.673		63886	50614
4.691	Endrin	84041	107741
4.727	o,p-DDT	60252	65857
4.753		33682	37980
4.782	4,4'-DDD	385753	294890
4.811		86436	76083
4.833	Endosulfan II	100380	118315
4.865		53557	49344
4.883		466793	359947
4.922	Endrin aldehyde	62703	53172
4.954	4,4'-DDT	20051	30726
4.983		17979	15490
5.003		912	287
5.017		4490	2263
5.05	Endo. sulfate	15981	12835
5.073		104680	92636
5.1		25956	17648
5.134		4346	2421
5.151	Methoxychlor	9826	5791
5.178		9788	6766
5.219		13884	12361
5.25		6875	6825
5.276	Endrin ketone	4317	3430
5.304		8649	5715
5.327		12125	9636
5.371		16176	10885
5.398		39266	30055
5.425		12235	10138
5.447		30086	23068
5.461		34091	24402
5.493		2814	2295

Chrom Perfect Chromatogram Report

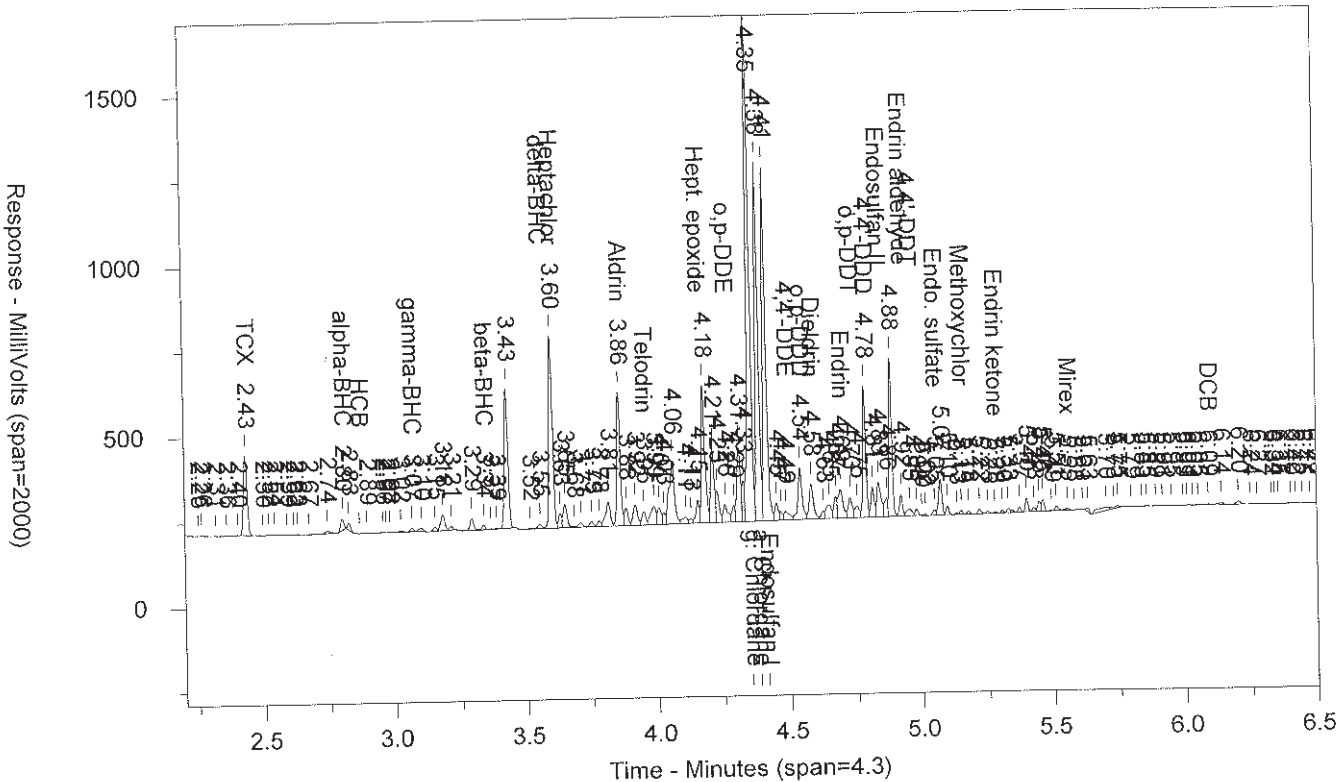
RT B	Compound B	Height B	Area B
5.512		14414	12817
5.555	Mirex	5126	6814
5.579		443	99
5.611		755	394
5.632		10802	8726
5.7		11235	36509
5.729		5854	6363
5.745		6885	7292
5.795		432	132
5.834		1189	741
5.853		2420	2797
5.889		1994	2003
5.914		557	166
5.948		774	313
5.991		697	405
6.008		771	202
6.029		507	193
6.049		645	154
6.088	DCB	1573	1799
6.135		5966	7267
6.2		10260	11928
6.244		753	258
6.271		824	770
6.324		372	128
6.337		539	118
6.352		1036	826
6.401		922	1326
6.418		679	211
6.446		522	233
6.474		637	113
6.498		619	454
6.518		570	215
6.567		406	158
6.6		443	147
6.609		725	205
6.631		775	265
6.662		463	144
6.688		625	140
6.74		747	272
6.798		475	101
6.826		606	200
6.848		543	173
6.858		804	209
6.875		489	264
6.896		433	139
6.936		820	739
6.981		1157	603
7.102		629	106
7.115		599	280
7.14		466	301
7.149		492	102
7.186		572	218
7.201		775	298
7.258		800	201
7.285		867	234
7.321		743	164

CHLD41824D FACHLD4FA CCAL 183169999 00177 SW-846 8081

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\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.081.RAW



Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD41824D FACHLD4FA CCAL 183169999 00177 SW-846 8081A
 Injected On: 11/14/2018 4:22:02 AM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

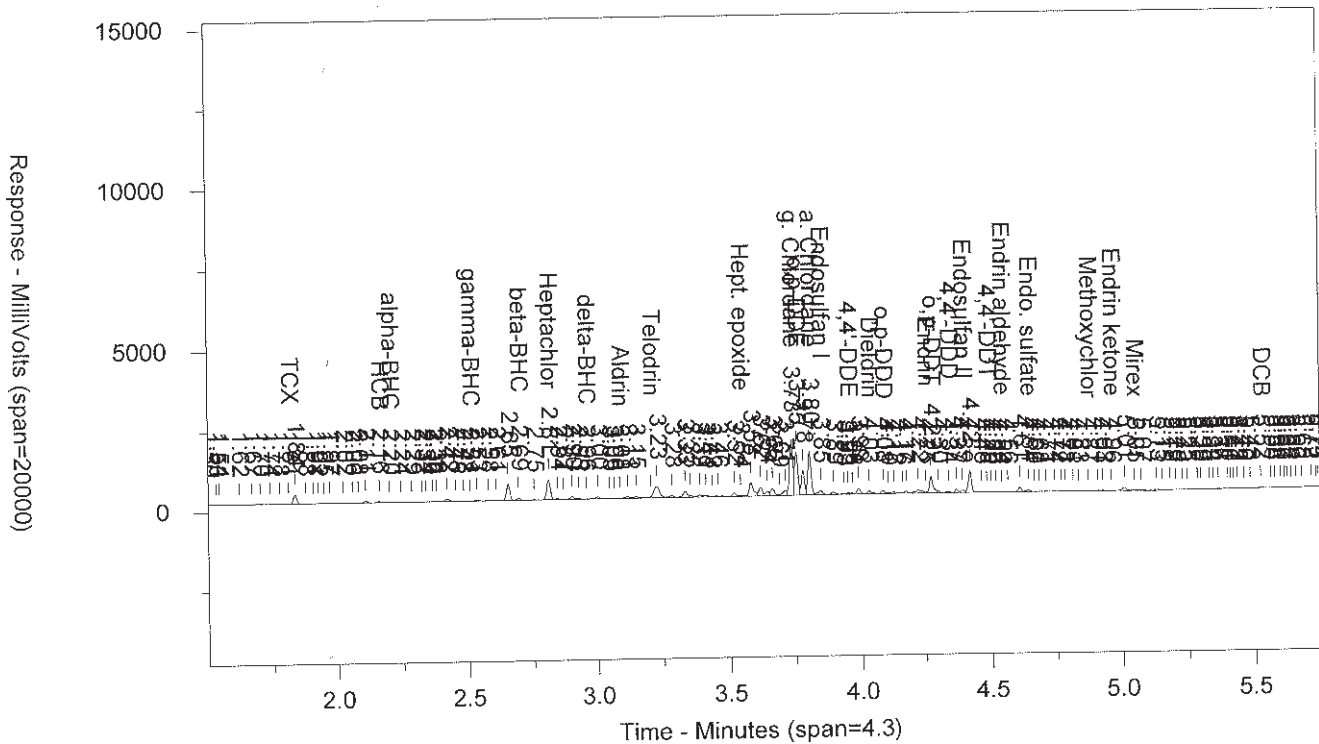
Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.812	753	.005	TCX	2.43	232257	1.901	TCX
					0		TCX
2.158	39502	.104	TCX				TCX
					0		TCX
2.199	851	.004	TCX	2.801	31976	.192	alpha-BHC
							alpha-BHC
2.506	1001	.005	alpha-BHC	3.065	10125	.071	gamma-BHC
							gamma-BHC
2.692	66380	.666	gamma-BHC	3.338	14109	-.011	beta-BHC
							beta-BHC
2.809	618800	4.151	beta-BHC	3.599	565058	4.007	Heptachlor
							Heptachlor
2.956	4670	.026	Heptachlor	3.553	12540	.077	delta-BHC
							delta-BHC
3.084	21838	.129	delta-BHC	3.856	391737	2.575	Aldrin
							Aldrin
3.542	22043	.132	Aldrin	4.153	66792	.282	Hept. epoxide
							Hept. epoxide
3.734	1741278	9.389	Hept. epoxide	4.354	1636557	11.868	g. Chlordane
							g. Chlordane
3.753	1352824	11.102	g. Chlordane	4.257	52206	.051	o,p-DDE
							o,p-DDE
3.804	1371596	7.343	o,p-DDE	4.385	1055513	7.785	a. Chlordane
							a. Chlordane
3.846	142008	.814	a. Chlordane	4.413	1037143	8.075	Endosulfan I
							Endosulfan I
3.949	43496	.23	Endosulfan I	4.486	25564	.172	4,4'-DDE
							4,4'-DDE
	0		4,4'-DDE	3.951	39702	.172	Telodrin
							Telodrin
4.028	101784	.532	Telodrin	4.582	102180	.716	Dieldrin
							Dieldrin
4.083	105146	.613	Dieldrin	4.54	150356	1.401	o,p-DDD
							o,p-DDD
4.25	54199	.318	o,p-DDD	4.691	84041	.544	Endrin
							Endrin
4.272	517760	4.24	Endrin	4.727	60252	.195	o,p-DDT
							o,p-DDT
4.339	39180	-.043	o,p-DDT	4.782	385753	2.802	4,4'-DDD
							4,4'-DDD
4.391	67497	.384	4,4'-DDD	4.833	100380	.559	Endosulfan II
							Endosulfan II
4.482	21648	.181	Endosulfan II	4.954	20051	.188	4,4'-DDT
							4,4'-DDT
4.539	10894	.073	4,4'-DDT	4.922	62703	.443	Endrin aldehyde
							Endrin aldehyde
4.641	59238	.472	Endrin aldehyde	5.05	15981	-.095	Endo. sulfate
							Endo. sulfate
4.872	8571	2.913	Endo. sulfate	5.151	9826	.173	Methoxychlor
							Methoxychlor
4.96	1295	-.178	Methoxychlor	5.276	4317	-.213	Endrin ketone
							Endrin ketone
5.045	18829	.144	Endrin ketone	5.555	5126	-1.716	Mirex
							Mirex
5.523	25957	.382	Mirex	6.088	1573	-.386	DCB
							DCB

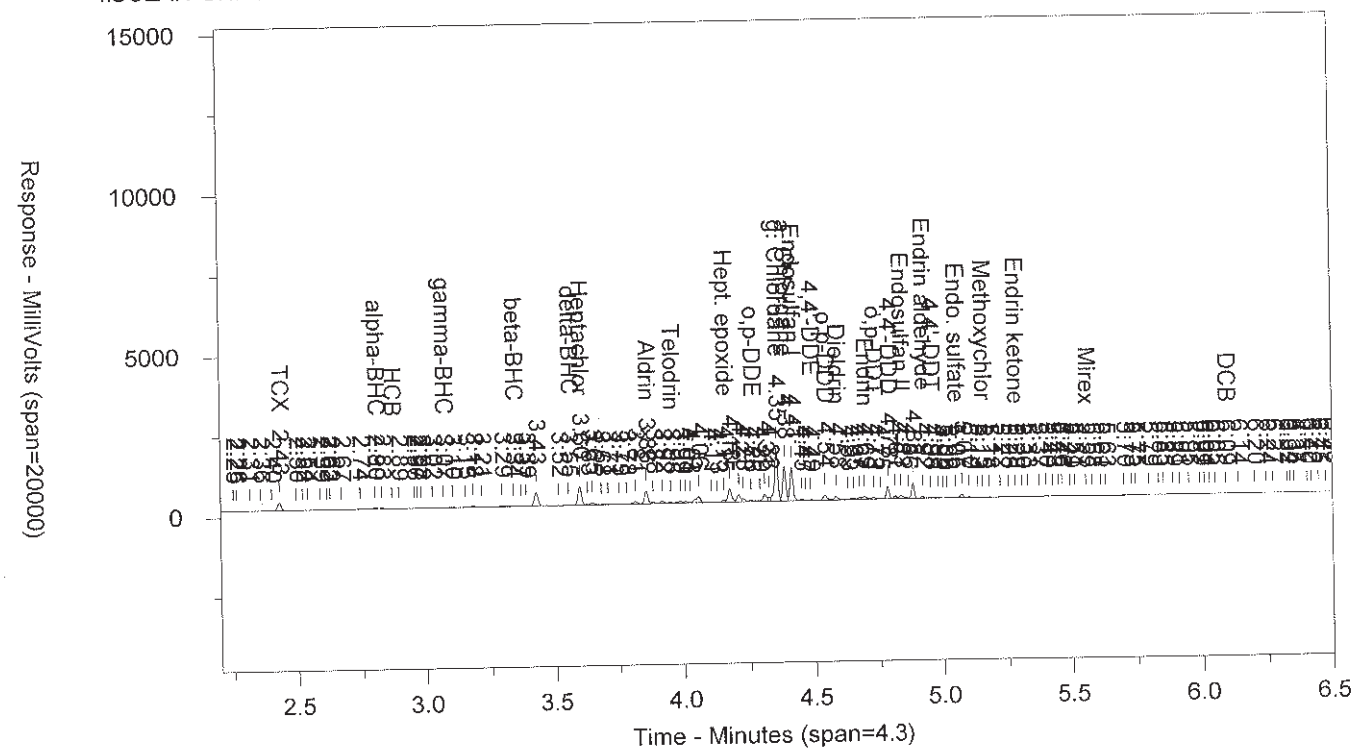
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 Method B: 35PESTDIB.MET
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 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
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CHLD41824D FACHLD4FA CCAL 183169999 00177 SW-846 8081

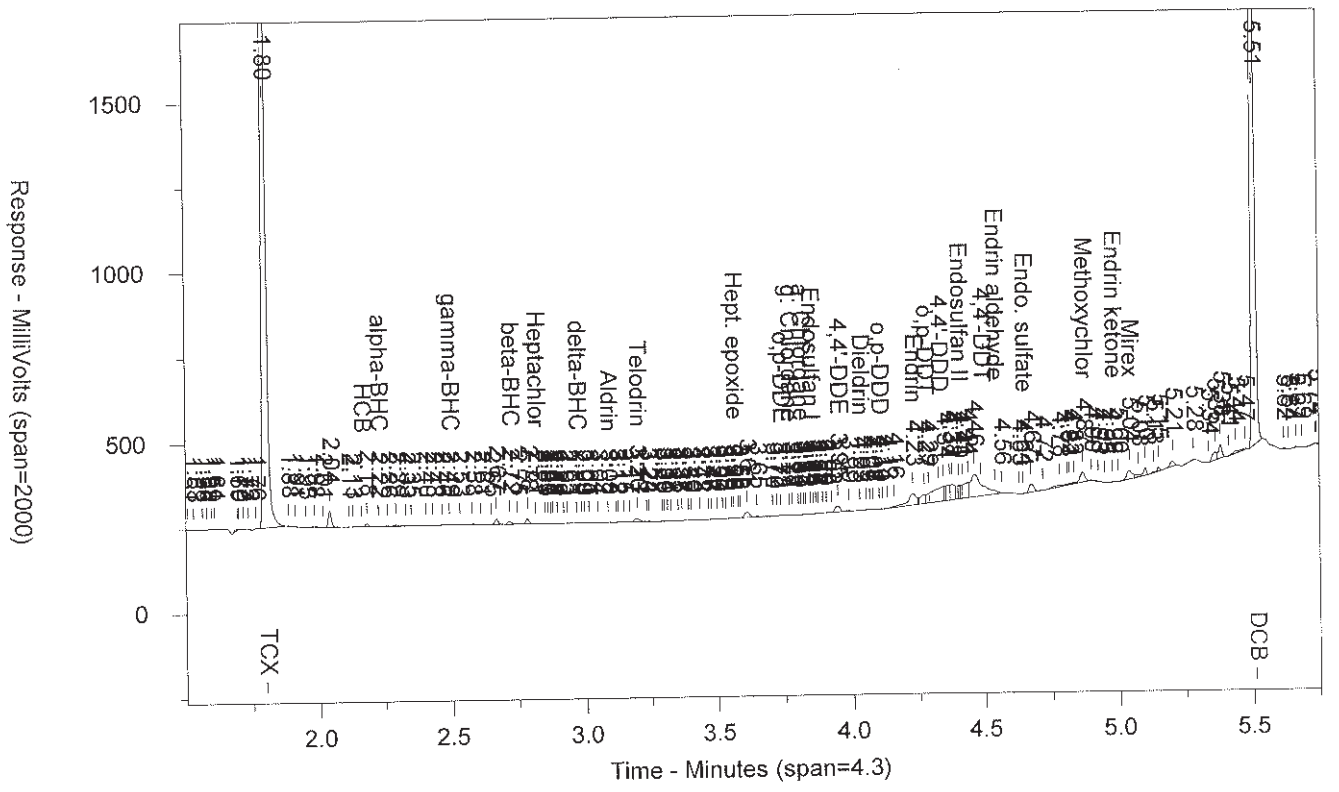
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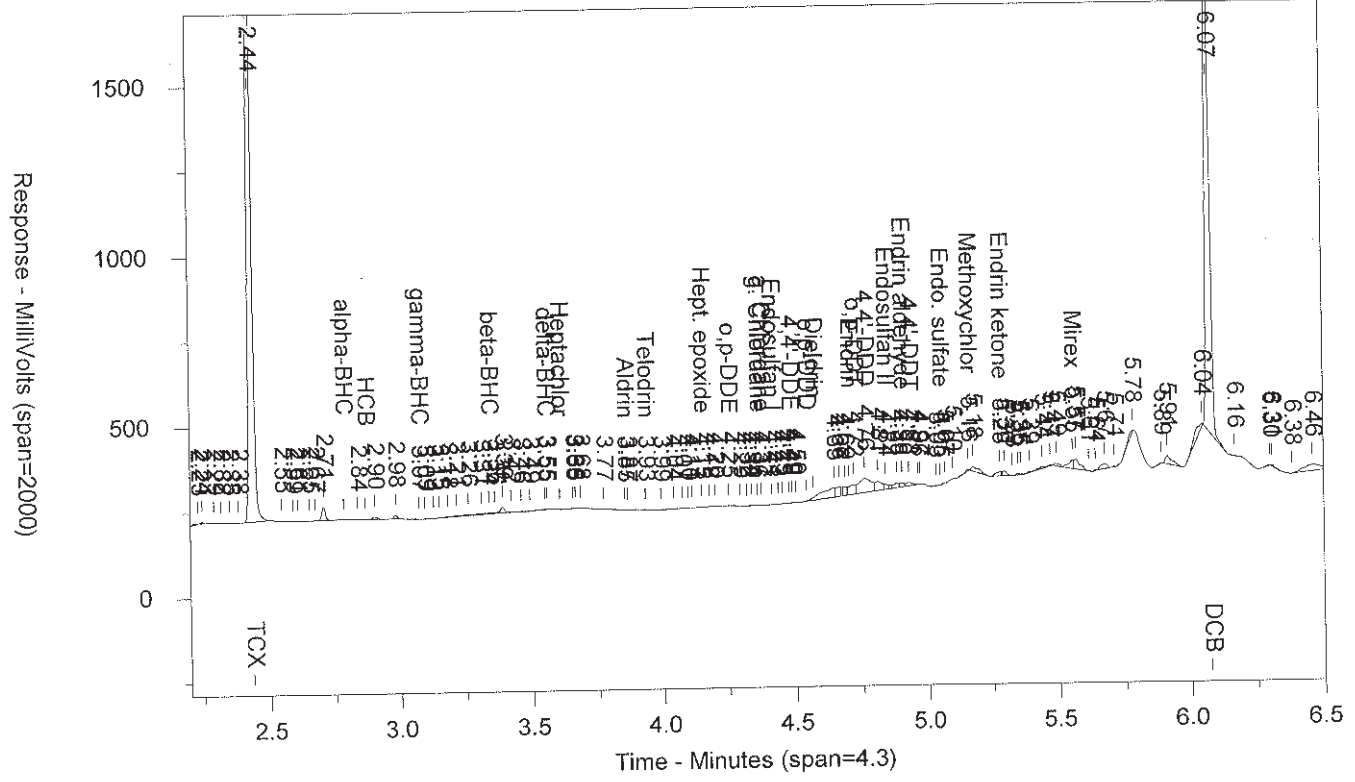
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IBLKX1824B SUPIBLKSU PIBLK183169999 00177 SW-846 8081A
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\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.091.RAW



Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: IBLKX1824B SUPIBLKSU PIBLK1831699999 00177 SW-846 8081A
 Injected On: 11/14/2018 6:06:57 AM Sample Weight: 1000
 Instrument ID: CP35-24952 Dilution Factor: 10
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

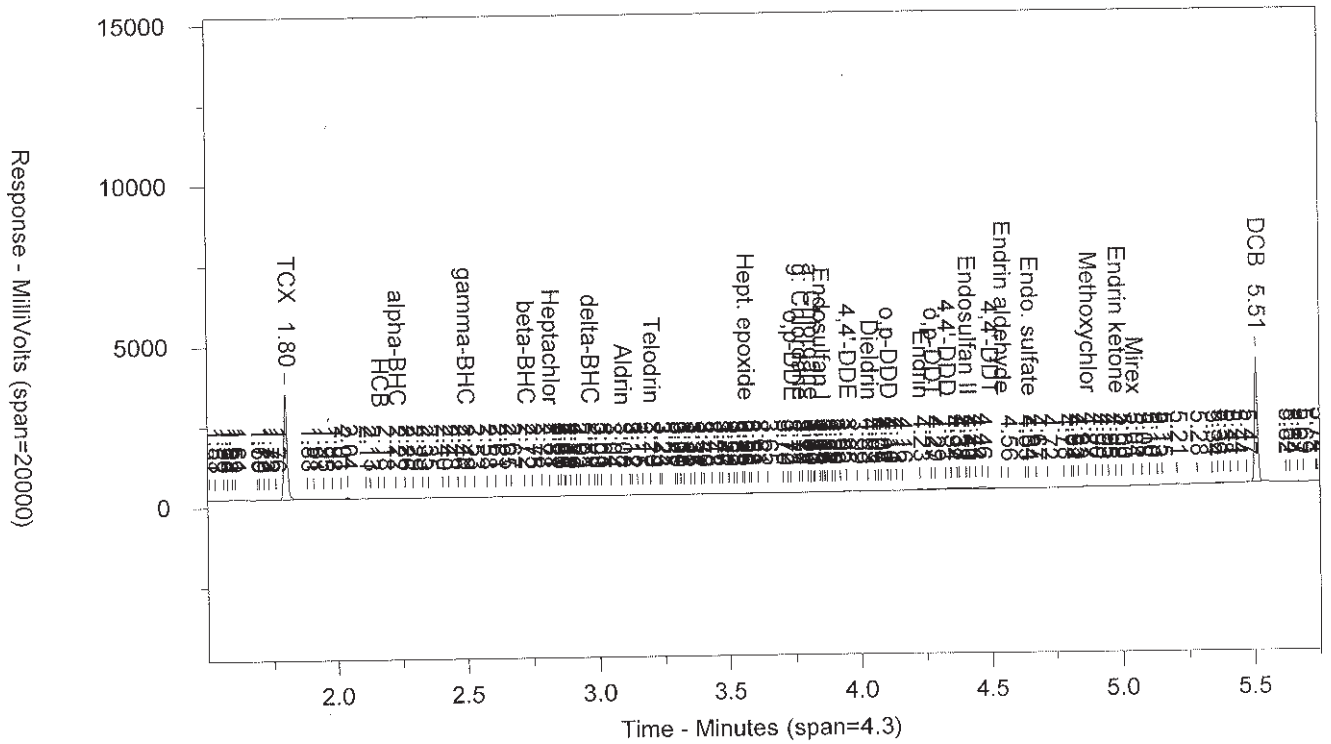
Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.798	3297044	.226	TCX	2.436	2699766	.221	TCX
2.223	967		alpha-BHC		0		alpha-BHC
2.49	1312		gamma-BHC	3.072	504		gamma-BHC
2.719	7806	-.001	beta-BHC	3.337	3463	-.002	beta-BHC
2.814	622		Heptachlor		0		Heptachlor
3.084	735		Aldrin	3.854	782		Aldrin
3.197	9954	-.001	Telodrin	3.932	638	-.002	Telodrin
	0		delta-BHC	3.547	823		delta-BHC
3.56	1079		Hept. epoxide	4.145	721	-.002	Hept. epoxide
3.733	614	-.005	o,p-DDE	4.249	539	-.005	o,p-DDE
3.766	435		g. Chlordane	4.358	403	-.001	g. Chlordane
3.81	806		a. Chlordane	4.373	1088	-.002	a. Chlordane
3.845	1456		Endosulfan I	4.411	470	-.002	Endosulfan I
3.946	17133	.001	4,4'-DDE	4.477	438		4,4'-DDE
4.028	1179		Dieldrin		0		Dieldrin
4.1	737	-.004	o,p-DDD		0		o,p-DDD
4.226	33139	.002	Endrin		0		Endrin
4.27	26283		o,p-DDT	4.719	28096	-.002	o,p-DDT
4.402	39068	.002	Endosulfan II	4.837	15607	-.001	Endosulfan II
4.644	909	.001	Endo. sulfate	5.048	607	-.002	Endo. sulfate
	0		4,4'-DDD	4.76	41157	.001	4,4'-DDD
4.867	29143	.032	Methoxychlor	5.159	3100	.001	Methoxychlor
	0		Endrin aldehyde	4.902	12477	-.001	Endrin aldehyde
	0		4,4'-DDT	4.927	9919	.001	4,4'-DDT
4.977	1284	-.002	Endrin ketone	5.279	11948	-.002	Endrin ketone
5.041	24593	.002	Mirex	5.553	24976	-.014	Mirex
5.508	3873894	.232	DCB	6.073	1734298	.25	DCB

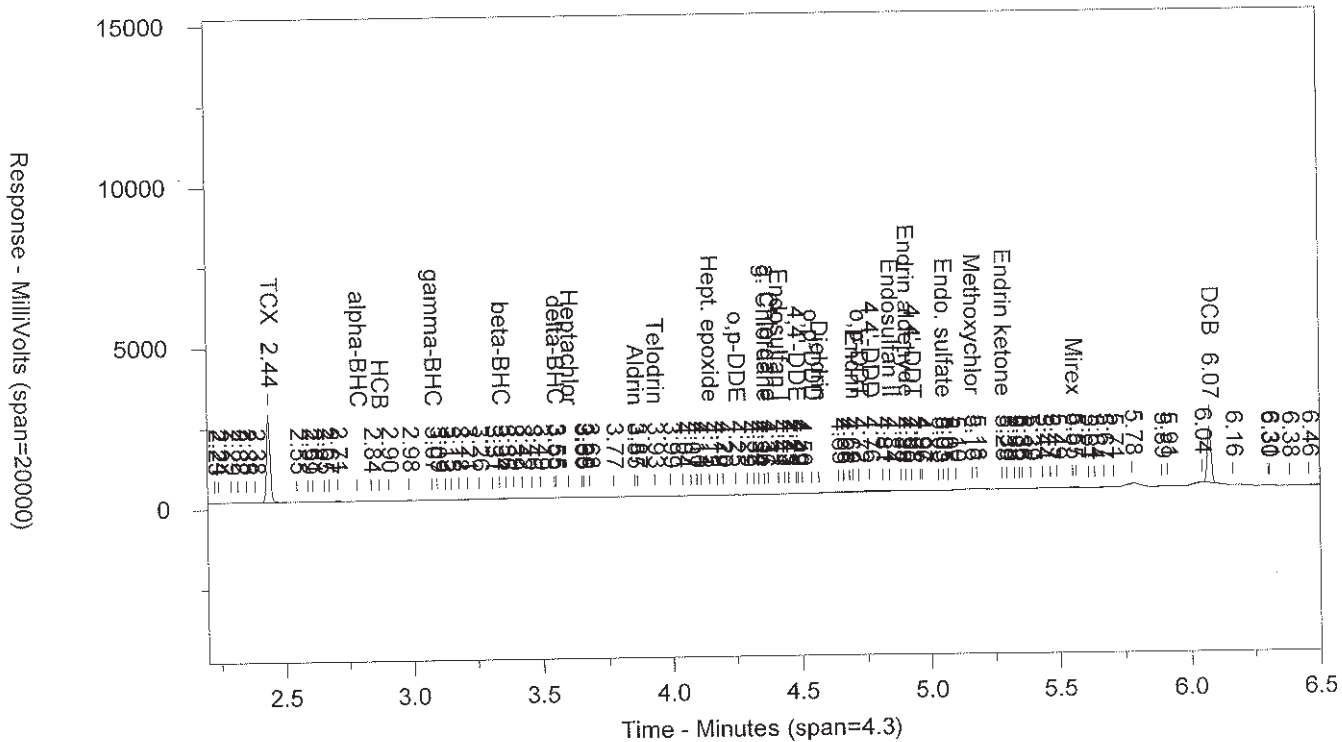
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 Method B: 35PESTD.B.MET
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 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 11/14/2018 6:14:19 AM
 File Reported On: 11/14/2018 at 8:57:22 AM

IBLKX1824B SUPIBLKSU PIBLK183169999 00177 SW-846 8081A

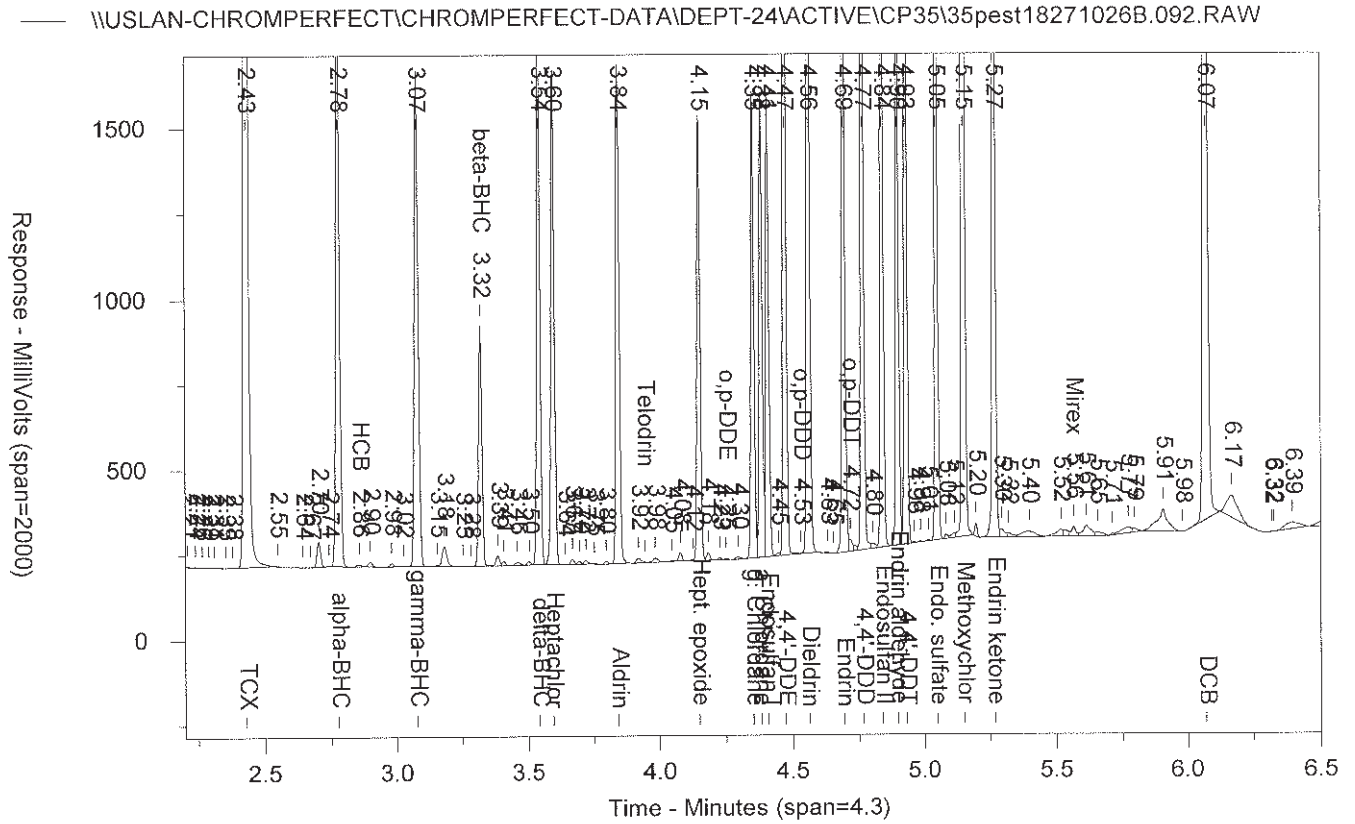
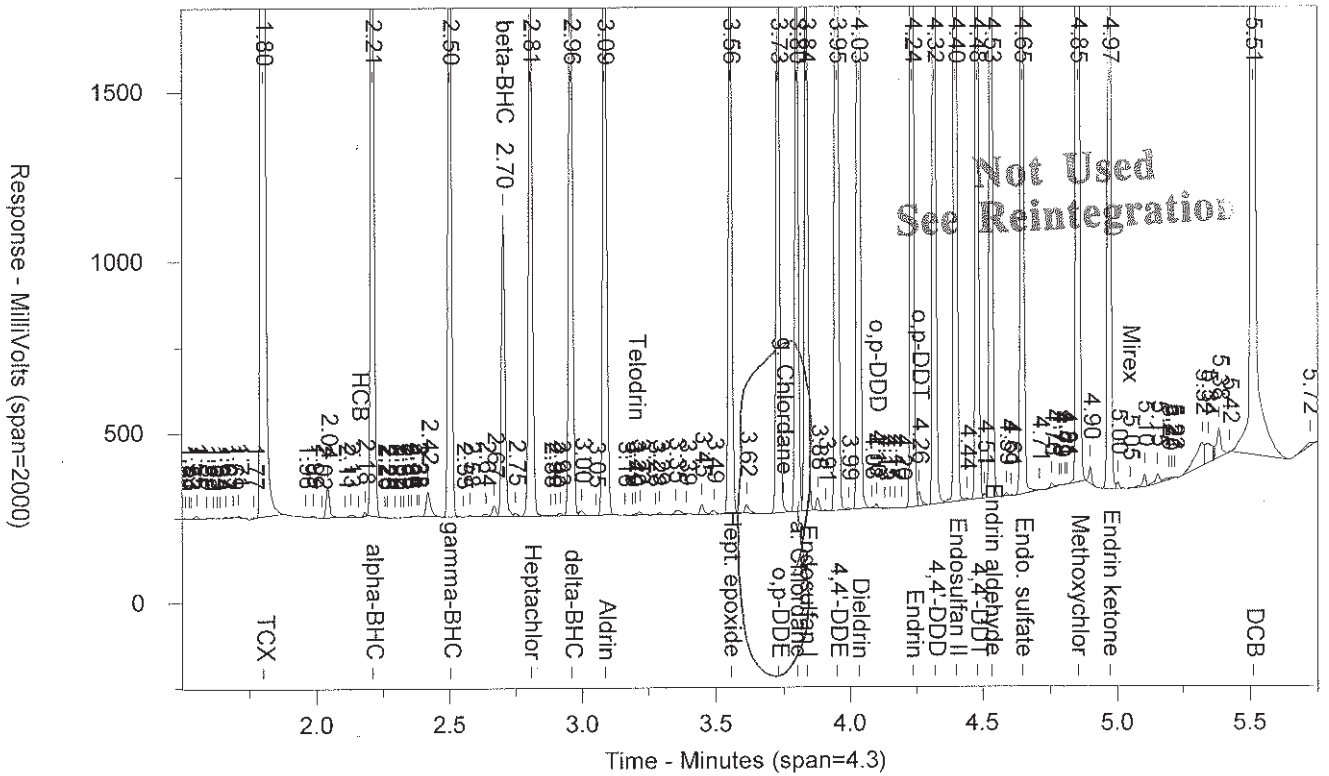
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MIXA41824B XRMIXA4XR CCAL 183169999 00177 SW-846 8081A
\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026.092.RAW



Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: MIXA41824B XRMIXA4XR CCAL 183169999 00177 SW-846 8081A
 Injected On: 11/14/2018 6:17:23 AM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

**Not Used
 See Reintegration**

Threshold: 5
 Calibration Type: external
 Quantitation: Height

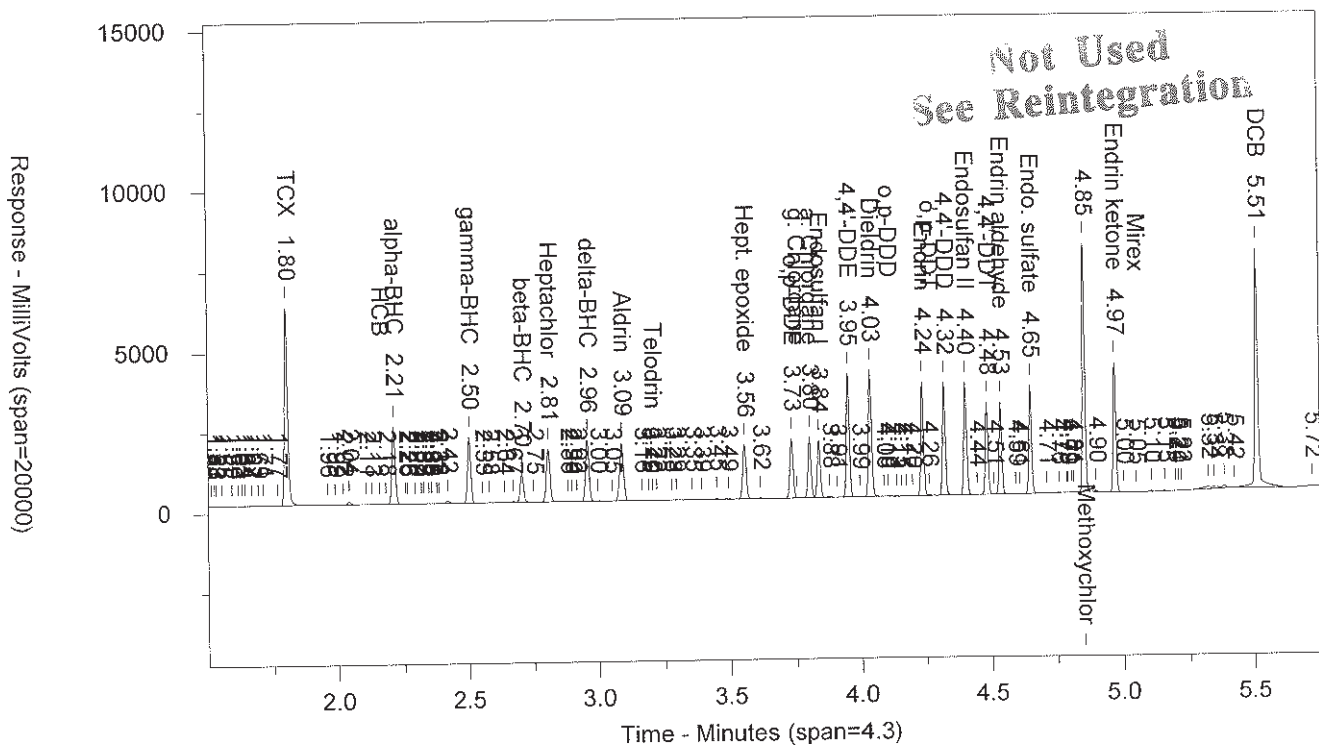
Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.802	6145424	42.164	TCX	2.431	5156179	42.193	TCX
2.212	2416316	10.927	alpha-BHC	2.776	1764628	10.605	alpha-BHC
2.502	2056687	10.973	gamma-BHC	3.075	1452055	10.249	gamma-BHC
2.705	881430	10.987	beta-BHC	3.32	706240	10.755	beta-BHC
2.806	1647325	11.05	Heptachlor	3.595	1453244	10.305	Heptachlor
	0		HCB	2.856	5680	-148	HCB
2.959	1908085	10.728	delta-BHC	3.54	1671422	10.304	delta-BHC
3.087	1793477	10.599	Aldrin	3.843	1466751	9.641	Aldrin
3.203	4621	-106	Telodrin		0		Telodrin
3.555	1693302	10.132	Hept. epoxide	4.148	1307527	10.159	Hept. epoxide
3.732	1859829	15.441	o,p-DDE	4.249	3882	-501	o,p-DDE
3.802	1891057	10.123	a. Chlordane	4.382	1351183	10.02	a. Chlordane
3.838	1771926	10.158	Endosulfan I	4.406	1350460	10.568	Endosulfan I
3.952	3856517	20.379	4,4'-DDE	4.471	2796526	18.838	4,4'-DDE
4.034	3958599	20.677	Dieldrin	4.561	2786800	19.527	Dieldrin
4.1	11016	-278	o,p-DDD	4.53	3501	-486	o,p-DDD
4.236	3556527	20.87	Endrin	4.694	2478915	21.002	Endrin
4.261	42615	.093	o,p-DDT	4.718	35955	-091	o,p-DDT
4.32	3517097	20.853	4,4'-DDD	4.766	2400487	18.776	4,4'-DDD
	0		g. Chlordane	4.351	1368963	9.909	g. Chlordane
4.401	3513066	20.001	Endosulfan II	4.84	2412118	19.516	Endosulfan II
4.482	2868628	23.982	4,4'-DDT	4.931	2208129	20.666	4,4'-DDT
4.534	2874177	19.284	Endrin aldehyde	4.899	1995058	19.883	Endrin aldehyde
4.649	3380586	22.245	Endo. sulfate	5.048	2383561	20.492	Endo. sulfate
4.854	7769296	122.551	Methoxychlor	5.152	5812935	102.323	Methoxychlor
4.97	4038240	21.746	Endrin ketone	5.268	2806590	20.854	Endrin ketone
5.048	1242	.01	Mirex	5.564	28256	-1.343	Mirex
5.511	7437493	44.357	DCB	6.069	3123513	45.369	DCB

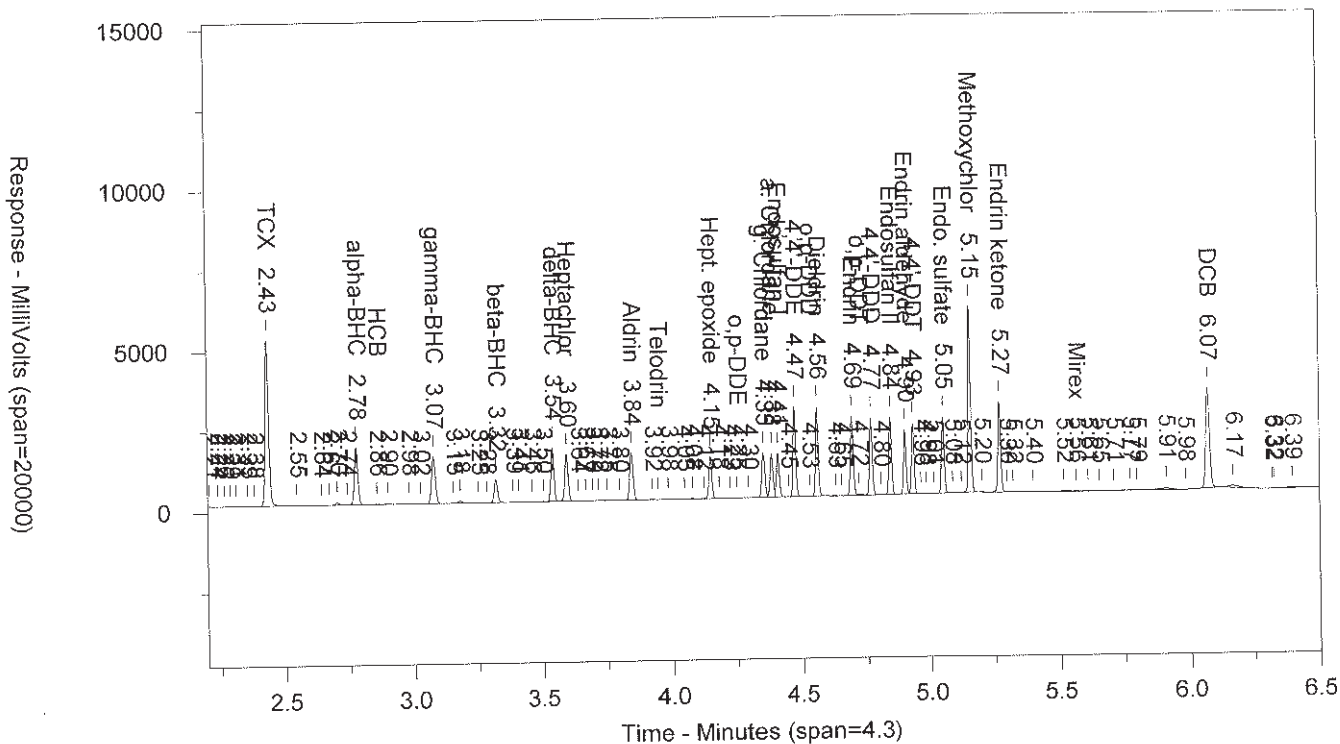
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 Method B: 35PESTDDB.MET
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 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 11/14/2018 6:24:44 AM
 File Reported On: 11/14/2018 at 8:57:34 AM

MIXA41824B XRMIXA4XR CCAL 1831699999 00177 SW-846 80817

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MIXA41824B XRMIXA4XR CCAL 183169999 00177 SW-846 8081A

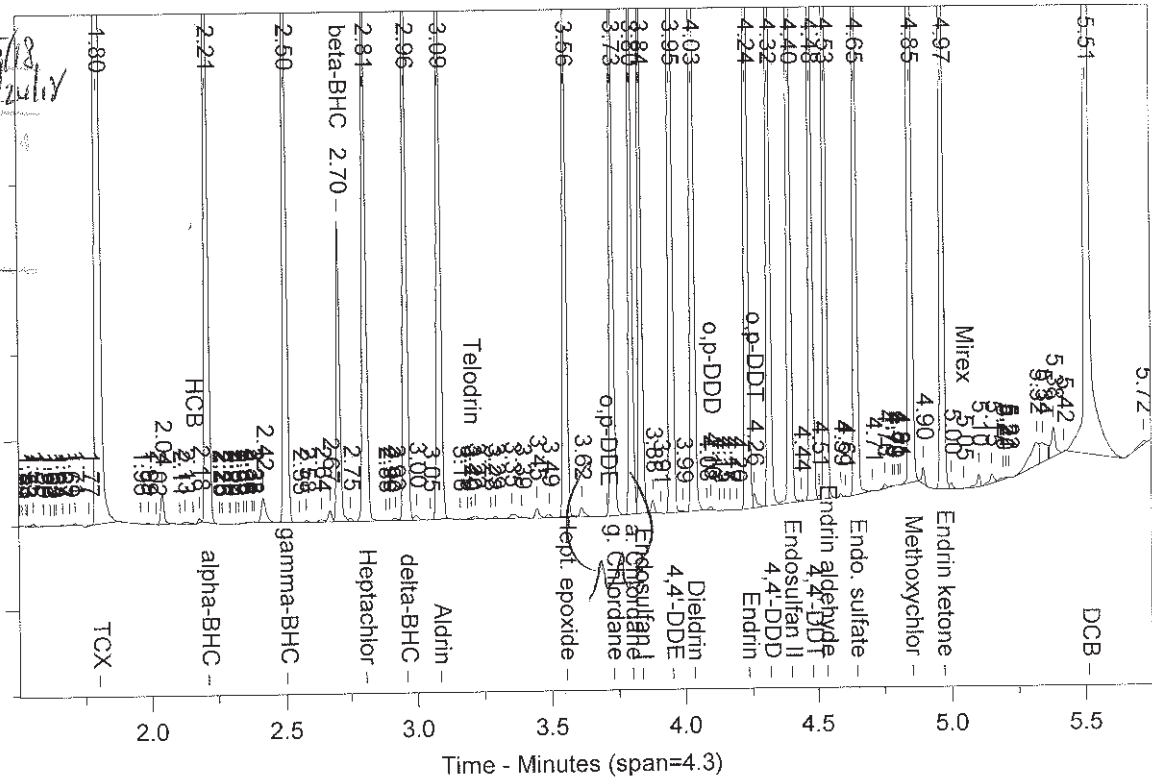
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M = Manually Integrated

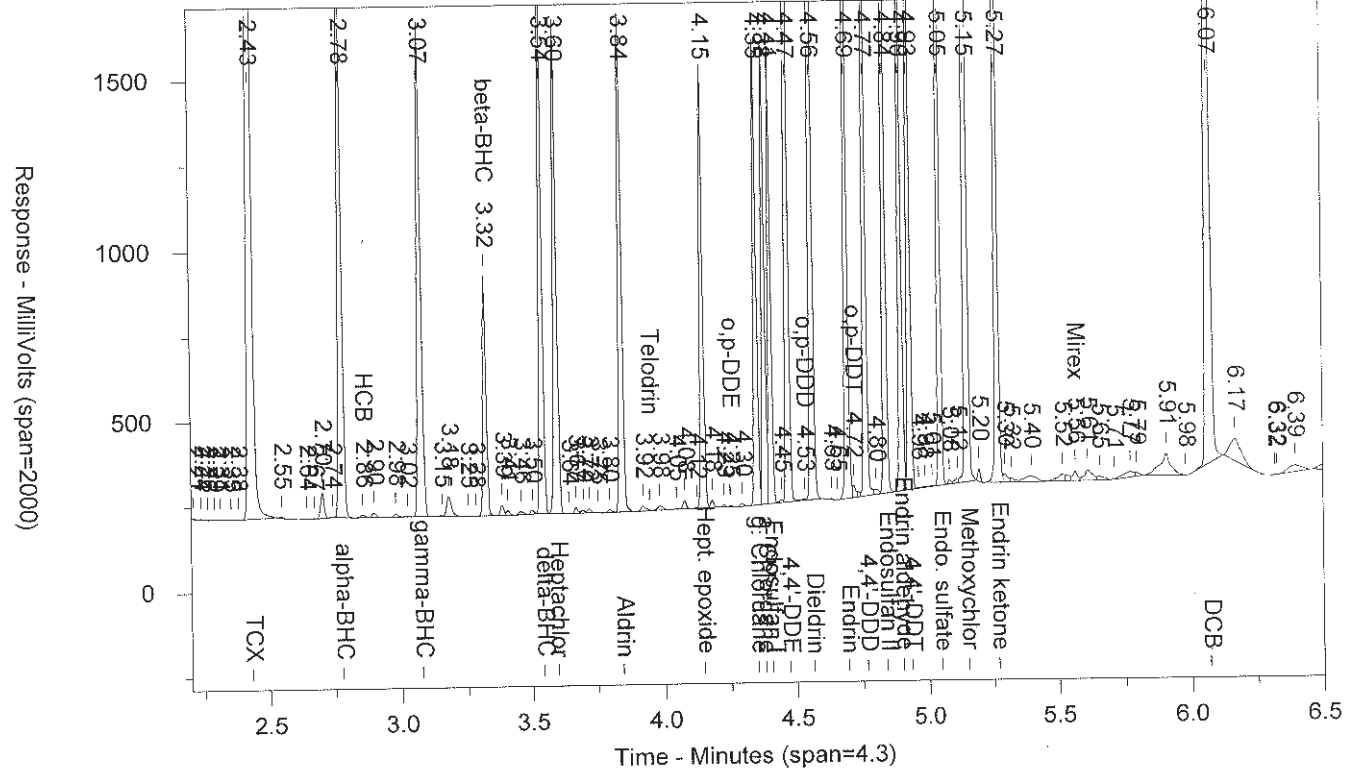
Analyst DSS 15222 11/75/18
 Approved by [Signature] 1500 11/24/18

Circle Reason
 1 = Missed Peak
 2 = Improper Baseline
 3 = RT Update
 4 = Other

Response - Millivolts (span=2000)



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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: MIXA41824B XRMIXA4XR CCAL 183169999 00177 SW-846 8081A
 Injected On: 11/14/2018 6:17:23 AM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

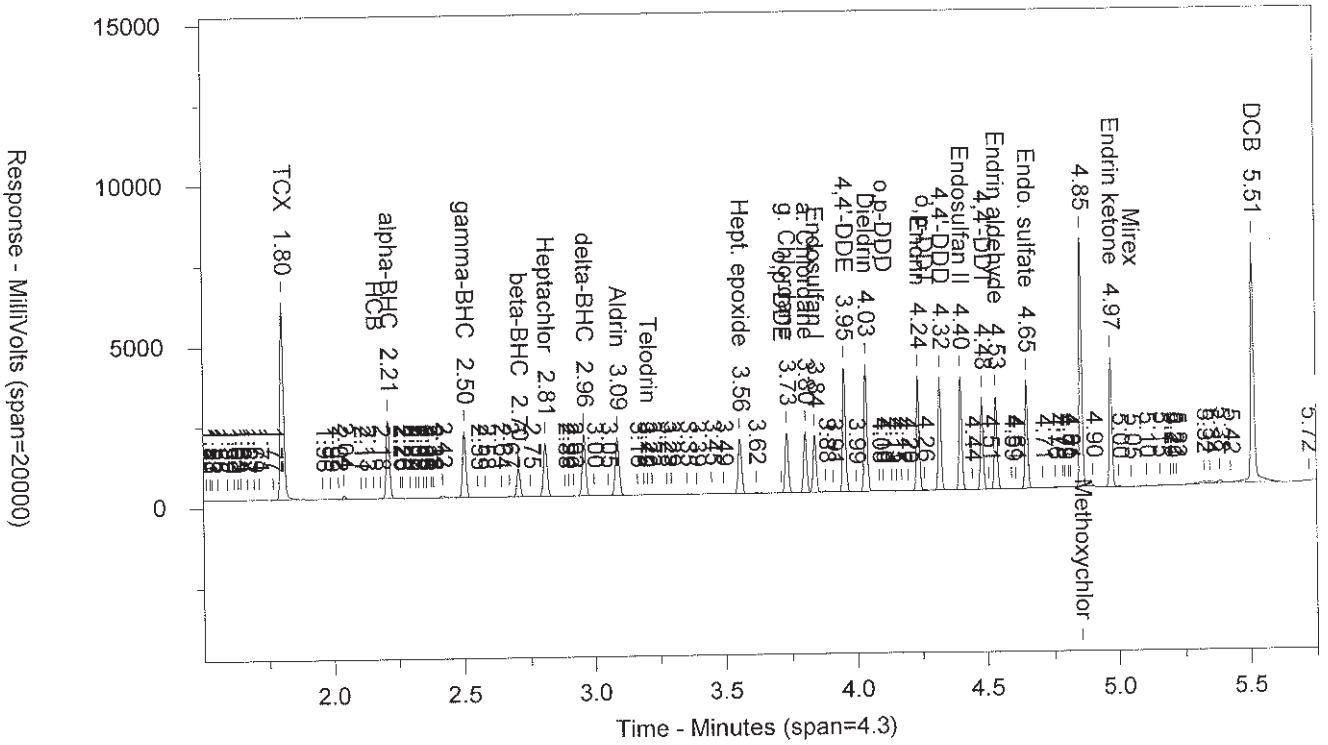
RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.802	6145424	42.164	TCX	2.431	5156179	42.193	TCX
2.212	2416316	10.927	alpha-BHC	2.776	1764628	10.605	alpha-BHC
2.502	2056687	10.973	gamma-BHC	3.075	1452055	10.249	gamma-BHC
2.705	881430	10.987	beta-BHC	3.32	706240	10.755	beta-BHC
2.806	1647325	11.05	Heptachlor	3.595	1453244	10.305	Heptachlor
	0		HCB	2.856	5680	-148	HCB
2.959	1908085	10.728	delta-BHC	3.54	1671422	10.304	delta-BHC
3.087	1793477	10.599	Aldrin	3.843	1466751	9.641	Aldrin
3.203	4621	-106	Telodrin		0		Telodrin
3.555	1693302	10.132	Hept. epoxide	4.148	1307527	10.159	Hept. epoxide
3.732	1859829	10.028	g. Chlordane	4.351	1368963	9.909	g. Chlordane
3.802	1891057	10.123	a. Chlordane	4.382	1351183	10.02	a. Chlordane
3.838	1771926	10.158	Endosulfan I	4.406	1350460	10.568	Endosulfan I
3.952	3856517	20.379	4,4'-DDE	4.471	2796526	18.838	4,4'-DDE
4.034	3958599	20.677	Dieldrin	4.561	2786800	19.527	Dieldrin
4.1	11016	-278	o,p-DDD	4.53	3501	-486	o,p-DDD
4.236	3556527	20.87	Endrin	4.694	2478915	21.002	Endrin
	0		o,p-DDE	4.249	3882	-501	o,p-DDE
4.261	42615	.093	o,p-DDT	4.718	35955	-.091	o,p-DDT
4.32	3517097	20.853	4,4'-DDD	4.766	2400487	18.776	4,4'-DDD
4.401	3513066	20.001	Endosulfan II	4.84	2412118	19.516	Endosulfan II
4.482	2868628	23.982	4,4'-DDT	4.931	2208129	20.666	4,4'-DDT
4.534	2874177	19.284	Endrin aldehyde	4.899	1995058	19.883	Endrin aldehyde
4.649	3380586	22.245	Endo. sulfate	5.048	2383561	20.492	Endo. sulfate
4.854	7769296	122.551	Methoxychlor	5.152	5812935	102.323	Methoxychlor
4.97	4038240	21.746	Endrin ketone	5.268	2806590	20.854	Endrin ketone
5.048	1242	.01	Mirex	5.564	28256	-1.343	Mirex
5.511	7437493	44.357	DCB	6.069	3123513	45.369	DCB

Files:

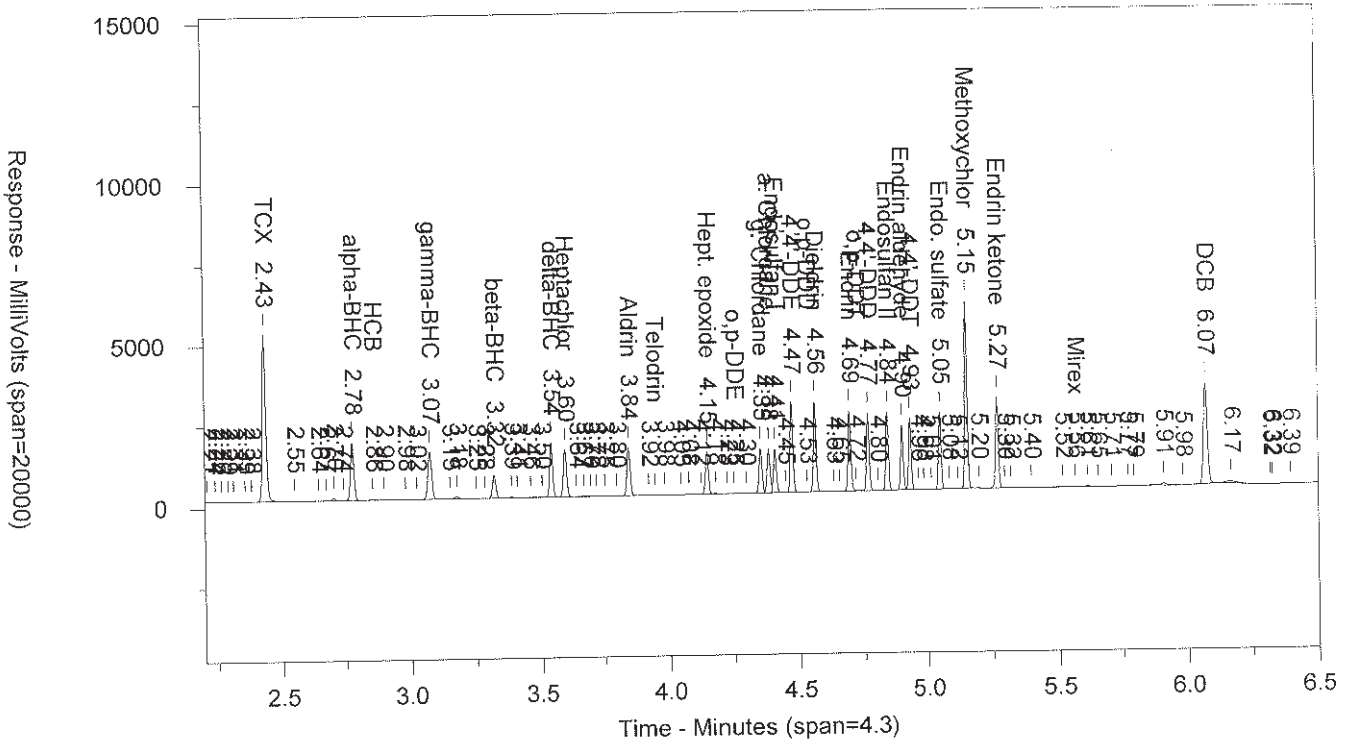
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 Area File: 35pest18271026B.092.BND
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 Method B: 35PESTD.MET
 Calibration File A: 35pest1827109.CAL
 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 11/15/2018 2:56:49 PM
 File Reported On: 11/15/2018 at 3:00:53 PM

MIXA41824B XRMIXA4XR CCAL 1831699999 00177 SW-846 8081/

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LANCASTER LABORATORIES

Sample Number: TOXA41824E ZDTOXA4ZD CCAL 183169999 00177 Analyst: 2306 SW-846 8081A
Injected On: 11/14/2018 6:27:52 AM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Date File: 35pest18271026.093.RAW
Method File: 35PESTD1.MET
Calibration File: 35pest1827109.CAL

RT A	Compound A	Height A	Area A
.024		1031	388
.032		902	268
.038		1078	390
.048		913	174
.075		629	272
1.501		531	71
1.514		1566	821
1.557		485	139
1.586		2453	1701
1.604		1692	1195
1.657		4546	4282
1.69		633	213
1.723		3593	2475
1.765		2058	1332
1.783		728	237
1.792		1114	381
1.8	TCX	1546	1100
1.838		645	113
1.864		561	98
1.891		1559	1394
1.928		4602	3868
1.983		4942	4167
2.019		1522	1056
2.056		3641	3646
2.073		855	180
2.112		807	169
2.151	HCB	1234	662
2.17		1436	416
2.187		704	224
2.212	alpha-BHC	5124	4275
2.257		1486	523
2.281		866	335
2.318		1377	636
2.357		4510	5206
2.399		4674	7917
2.439		2827	2445
2.47		8904	7093
2.492	gamma-BHC	4143	4173
2.539		9002	10349
2.581		8902	9446
2.603		641	164
2.61		828	229
2.63		11815	11049
2.681		9161	8212
2.706	beta-BHC	7322	4773
2.729		809	538
2.749		17904	21657
2.788		6020	4455
2.81	Heptachlor	857	349
2.829		8492	6323
2.855		8498	7128
2.879		4599	3278
2.919		10369	9489
2.959	delta-BHC	18612	26198

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
3.004		10006	8035
3.044		12674	15490
3.098	Aldrin	25155	29762
3.129		117670	133089
3.159		85068	92504
3.194	Telodrin	14346	12546
3.247		64541	160110
3.311		20790	18695
3.336		81972	104058
3.372		186927	242086
3.405		36620	30474
3.423		22675	16449
3.454		15443	14448
3.478		77514	82326
3.503		15949	10035
3.524		68305	60938
3.539		70778	56555
3.559	Hept. epoxide	110331	97626
3.572		114234	130525
3.604		60234	70988
3.652		48224	77497
3.687		139032	156936
3.714		236871	230622
3.732	o,p-DDE	120071	93142
3.769	g. Chlordane	338242	578618
3.802	a. Chlordane	43875	21103
3.813		49230	41385
3.842	Endosulfan I	140932	179110
3.863		88109	34848
3.879		196999	216993
3.927		276687	416737
3.971	4,4'-DDE	285292	399219
3.996		501662	443400
4.012		509879	517853
4.044	Dieldrin	502080	773548
4.084		192033	229230
4.096	o,p-DDD	135198	73152
4.121		516814	647241
4.152		486048	674177
4.171		388608	378197
4.184		318310	202123
4.205		477646	705270
4.231		384988	288217
4.249	Endrin	574707	605342
4.262	o,p-DDT	486046	380841
4.3		500386	649141
4.337	4,4'-DDD	1263843	1452449
4.367		1252492	1473581
4.39		540866	515362
4.419	Endosulfan II	1603212	1642060
4.445		745217	589167
4.466		422374	354147
4.483	4,4'-DDT	465118	368182
4.499		467599	592130
4.538	Endrin aldehyde	1276790	1463991
4.583		1191637	1638382
4.598		728613	492482
4.62		818094	803262
4.643	Endo. sulfate	550232	728248
4.67		912302	760677
4.7		114161	60811
4.713		359176	289844
4.739		412506	430065
4.757		320623	278345
4.773		589509	393144
4.797		1116323	1082656

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
4.84		425076	400131
4.868	Methoxychlor	1502669	1555216
4.892		419011	345282
4.923		112431	66126
4.937		37263	16735
4.948		57255	38394
4.974	Endrin ketone	328234	341058
5.01		337884	393026
5.046	Mirex	573781	453870
5.066		97804	62892
5.08		97900	78737
5.093		93176	95764
5.12		79009	42681
5.145		159521	166797
5.168		38316	22968
5.179		69024	40480
5.199		106641	97337
5.239		85889	150119
5.272		72065	46877
5.301		231732	163141
5.323		236701	194839
5.355		51716	42731
5.387		16484	12776
5.41		11824	9452
5.446		16280	9352
5.472		26431	26691
5.505		48737	43451
5.524	DCB	13168	7766
5.545		5743	2740
5.581		5282	4345
5.62		785	324
5.637		1858	1440
5.659		1014	218
5.665		1979	810
5.713		1063	242
5.719		1119	184
5.731		879	173
5.744		2107	2373
5.787		742	218
5.793		708	252
5.811		1139	579
5.82		1245	468
5.834		1585	442
5.853		1444	792
5.861		1150	316
5.873		1298	457
5.949		1606	883
5.961		1022	340
5.978		964	198
6		700	159
6.011		918	210
6.027		954	423
6.056		925	140
6.067		975	578
6.083		1731	1075
6.107		725	117
6.132		835	658
6.149		491	280
6.172		747	472
6.183		923	475
6.198		702	242
6.215		1282	711
6.237		1213	4025
6.302		602	242
6.309		972	414
6.328		760	129

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
6.359		1040	1130
6.371		986	559
6.389		527	116
6.412		1010	313
6.419		1476	431
6.448		645	398
6.507		1668	452
6.521		770	253
6.554		680	103
6.568		853	2095
6.632		928	177
6.654		1068	328
6.666		1339	238
6.679		617	131
6.695		943	298
6.717		988	551
6.724		1372	558
6.737		895	357
6.758		665	269
6.776		901	886
6.788		776	169
6.803		1402	1053
6.839		669	153
6.855		1190	271
6.878		1170	404
6.904		899	156
6.914		717	394
6.943		779	338
6.949		1180	200
6.961		1096	429
6.979		2174	1459
6.993		1024	563
7.04		524	100
7.052		549	105
7.06		1025	565
7.097		1128	409
7.108		864	362
7.123		377	166
7.145		951	619
7.156		1108	247
7.164		616	165
7.187		760	362
7.21		839	276
7.228		885	154
7.239		1294	429
7.253		1344	346
7.273		1074	127
7.296		1095	451

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: TOXA41824E ZDTOXA4ZD CCAL 1831699999 00177 Analyst: 2306 SW-846 8081A
Injected On: 11/14/2018 6:27:52 AM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Data File: 35pest18271026B.093.RAW
Method File: 35PESTDIB.MET
Calibration File: 35pest1827109B.CAL

RT B	Compound B	Height B	Area B
.04		629	238
1.532		4227	6624
1.596		3311	5171
1.625		3116	4135
1.659		18300	19332
1.704		24504	26745
1.752		404	108
1.786		826	676
1.859		2164	2159
1.883		2543	2666
1.92		3157	3416
1.958		874	522
2.037		487	226
2.083		2282	1818
2.112		1182	449
2.137		3073	2553
2.161		1223	1120
2.184		1669	1685
2.225		2266	1802
2.238		1128	743
2.264		1329	759
2.314		1116	680
2.36		846	869
2.398		529	104
2.41		847	236
2.434	TCX	2436	1692
2.453		1676	1010
2.538		1378	1287
2.563		391	87
2.584		475	94
2.596		971	546
2.67		2053	1796
2.718		533	144
2.755		1021	1152
2.775	alpha-BHC	3010	2444
2.799		3181	2188
2.839		4451	4731
2.87	HCB	417	118
2.886		2474	1949
2.918		2568	2738
2.98		7860	7128
3.047		990	530
3.08	gamma-BHC	769	622
3.095		1134	735
3.147		79	59
3.169		581	107
3.178		641	178
3.205		2931	3075
3.234		3364	2286
3.292		6191	9036
3.326	beta-BHC	2045	1735
3.35		3915	3155
3.383		7011	6471
3.422		11624	11895

Chrom Perfect Chromatogram Report

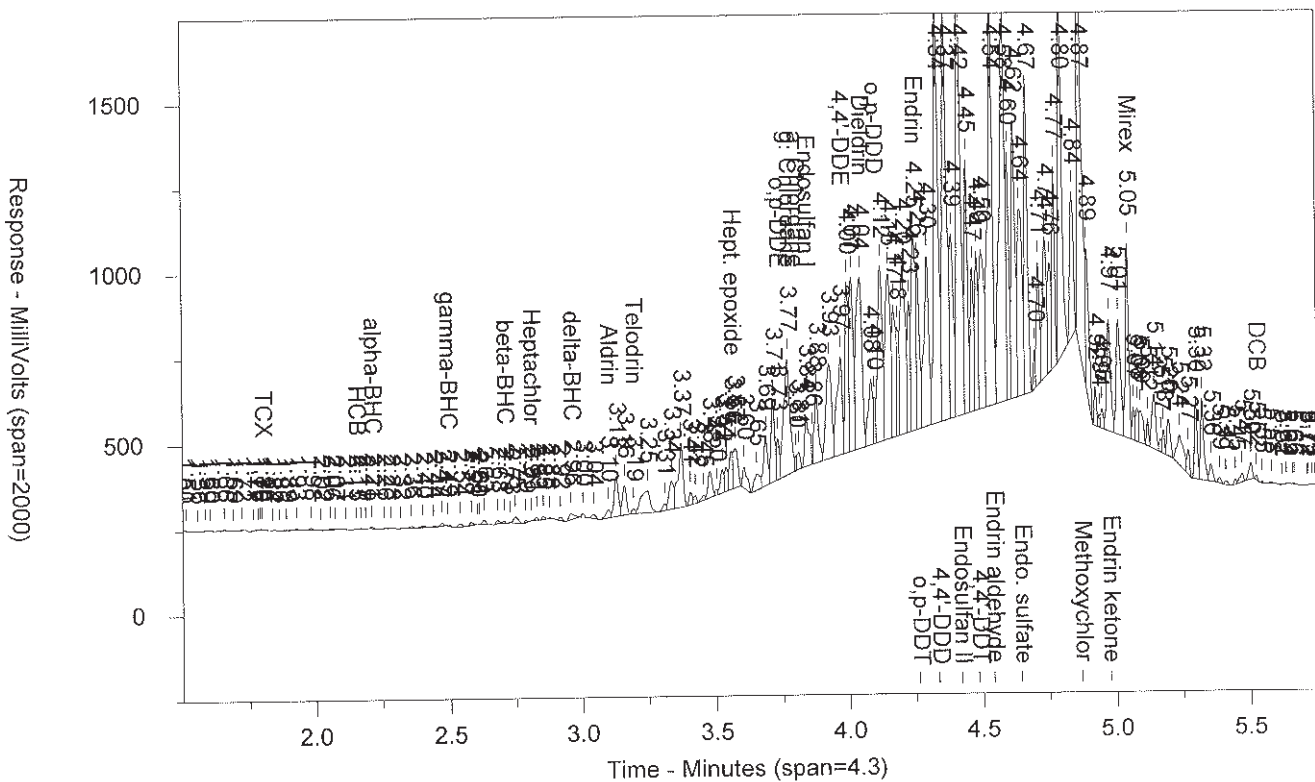
RT B	Compound B	Height B	Area B
3.464		9215	13993
3.543	delta-BHC	14356	17242
3.567		6437	5246
3.599	Heptachlor	9033	6424
3.617		5698	3360
3.656		15685	17374
3.675		9232	7355
3.718		14011	13101
3.762		12167	20493
3.815		87240	84227
3.839	Aldrin	121948	141039
3.883		1364	493
3.904		35814	31935
3.918		34815	25467
3.946	Telodrin	34088	28306
3.97		77058	115260
4.005		1122	528
4.023		24101	18260
4.05		31508	37074
4.083		179383	234282
4.13		141770	217760
4.163	Hept. epoxide	40680	34926
4.185		91949	98043
4.212		6015	2956
4.236		72302	74286
4.258	o,p-DDE	161058	133912
4.294		205259	206596
4.312		82453	68658
4.339		119367	192716
4.374	g. Chlordane	163986	200788
4.409	Endosulfan I	138451	102922
4.418		157247	130252
4.439		97389	79600
4.465	4,4'-DDE	233330	288524
4.497		223429	262826
4.527		358800	350559
4.544	o,p-DDD	426384	385610
4.555	Dieldrin	359749	241545
4.578		172796	129045
4.592		166839	123174
4.608		248400	196003
4.634		394749	361370
4.657		534428	534220
4.683		292136	203041
4.694	Endrin	382172	309952
4.715	o,p-DDT	853414	850928
4.733		321081	379863
4.76	4,4'-DDD	371900	428285
4.792		359331	392851
4.815		721849	647430
4.841	Endosulfan II	719125	931924
4.858		366751	179473
4.878		1051248	1201790
4.901	Endrin aldehyde	655695	660762
4.923	4,4'-DDT	223715	183493
4.961		662825	626387
4.981		282721	180388
5.007		1155175	1459766
5.045	Endo. sulfate	878847	1048397
5.072		412687	290720
5.104		549472	518140
5.119		389198	250576
5.13		419593	286804
5.153	Methoxychlor	374978	257020
5.168		121039	72616
5.196		540767	658612

Chrom Perfect Chromatogram Report

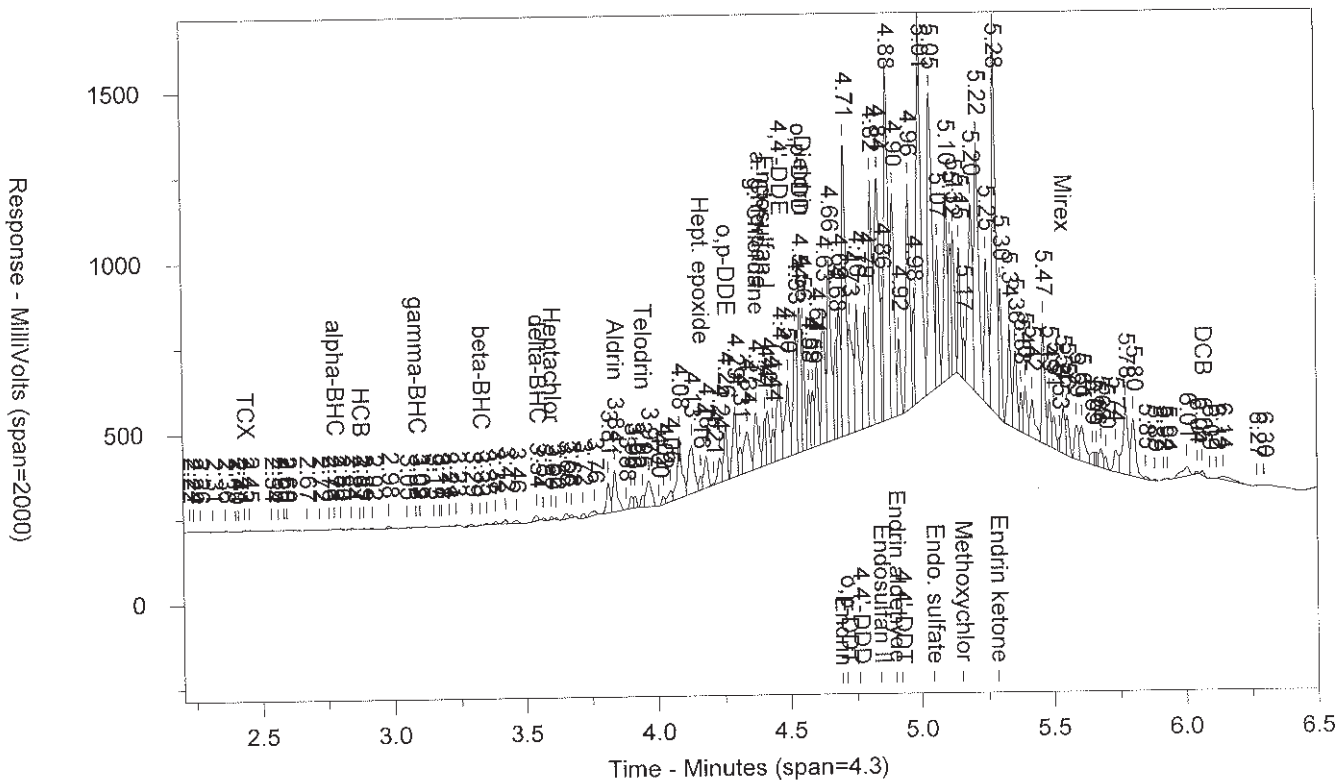
RT B	Compound B	Height B	Area B
5.219		738759	842081
5.252		427659	419110
5.284	Endrin ketone	1178397	1177923
5.304		384647	258506
5.337		297346	257774
5.361		229279	214215
5.381		117075	82586
5.398		142654	125828
5.425		114965	145392
5.468		354651	299632
5.489		139752	110505
5.506		98636	82374
5.526		42938	20727
5.541	Mirex	135064	129897
5.555		117336	93083
5.59		101399	109601
5.61		104637	142567
5.65		37739	35629
5.665		40295	21871
5.681		55986	55074
5.7		38512	28106
5.737		6516.1	79873
5.777		201948	277056
5.805		170440	210545
5.852		8802	8478
5.885		5030	3701
5.921		2664	1649
5.935		1520	790
6.008		28124	59866
6.045		7578	5587
6.064	DCB	12751	10735
6.092		2034	1441
6.116		773	138
6.143		10269	34858
6.27		2138	2174
6.298		849	734
6.52		1076	3719
6.539		1226	1087
6.549		2018	8124
6.618		577	138
6.64		134	86
6.66		637	409
6.678		925	217
6.695		699	142
6.758		700	217
6.798		635	130
6.899		966	5298
6.922		1013	1030
6.937		941	477
6.963		761	488
6.971		866	220
6.978		1717	5261
7.058		552	199
7.081		496	136
7.097		421	91
7.113		1084	820
7.213		608	172
7.254		473	80
7.272		851	228
7.281		917	152
7.288		454	113
7.309		730	223
7.317		651	140

TOXA41824E ZDTOXA4ZD CCAL 183169999 00177 SW-846 8081

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: TOXA41824E ZDTOXA4ZD CCAL 1831699999 00177 SW-846 8081A
 Injected On: 11/14/2018 6:27:52 AM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

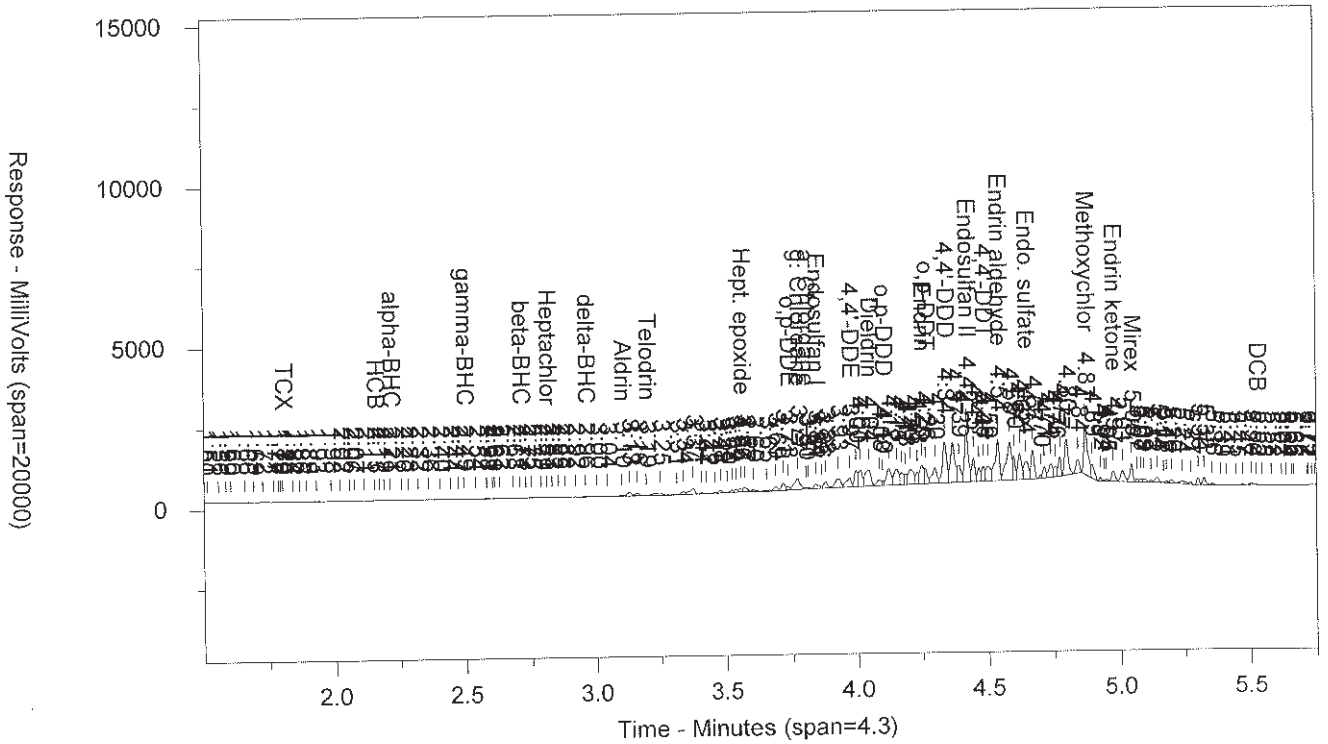
Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.8	1546	.011	TCX	2.434	2436	.02	TCX
2.151	1234	-.144	HCB	2.87	417	-.19	HCB
2.212	5124	.023	alpha-BHC	2.775	3010	.018	alpha-BHC
2.492	4143	.022	gamma-BHC	3.08	769	.005	gamma-BHC
2.706	7322	-.081	beta-BHC	3.326	2045	-.199	beta-BHC
2.81	857	.006	Heptachlor	3.599	9033	.064	Heptachlor
2.959	18612	.105	delta-BHC	3.543	14356	.089	delta-BHC
3.098	25155	.149	Aldrin	3.839	121948	.802	Aldrin
3.194	14346	-.025	Telodrin	3.946	34088	.116	Telodrin
3.559	110331	.66	Hept. epoxide	4.163	40680	.074	Hept. epoxide
3.732	120071	.551	o,p-DDE	4.258	161058	1.295	o,p-DDE
3.769	338242	1.824	g. Chlordane	4.374	163986	1.086	g. Chlordane
3.802	43875	.235	a. Chlordane		0		a. Chlordane
3.842	140932	.808	Endosulfan I	4.409	138451	.926	Endosulfan I
3.971	285292	1.508	4,4'-DDE	4.465	233330	1.572	4,4'-DDE
4.044	502080	2.622	Dieldrin	4.555	359749	2.521	Dieldrin
4.096	135198	.897	o,p-DDD	4.544	426384	4.949	o,p-DDD
4.249	574707	3.372	Endrin	4.694	382172	3.091	Endrin
4.262	486046	3.963	o,p-DDT	4.715	853414	9.533	o,p-DDT
4.337	1263843	7.315	4,4'-DDD	4.76	371900	2.692	4,4'-DDD
4.419	1603212	9.128	Endosulfan II	4.841	719125	5.633	Endosulfan II
4.483	465118	3.888	4,4'-DDT	4.923	223715	2.094	4,4'-DDT
4.538	1276790	8.566	Endrin aldehyde	4.901	655695	6.408	Endrin aldehyde
4.643	550232	3.691	Endo. sulfate	5.045	878847	7.408	Endo. sulfate
4.868	1502669	25.946	Methoxychlor	5.153	374978	6.601	Methoxychlor
4.974	328234	1.597	Endrin ketone	5.284	1178397	8.614	Endrin ketone
5.046	573781	4.401	Mirex	5.541	135064	.375	Mirex
5.524	13168	.307	DCB	6.064	12751	-.222	DCB

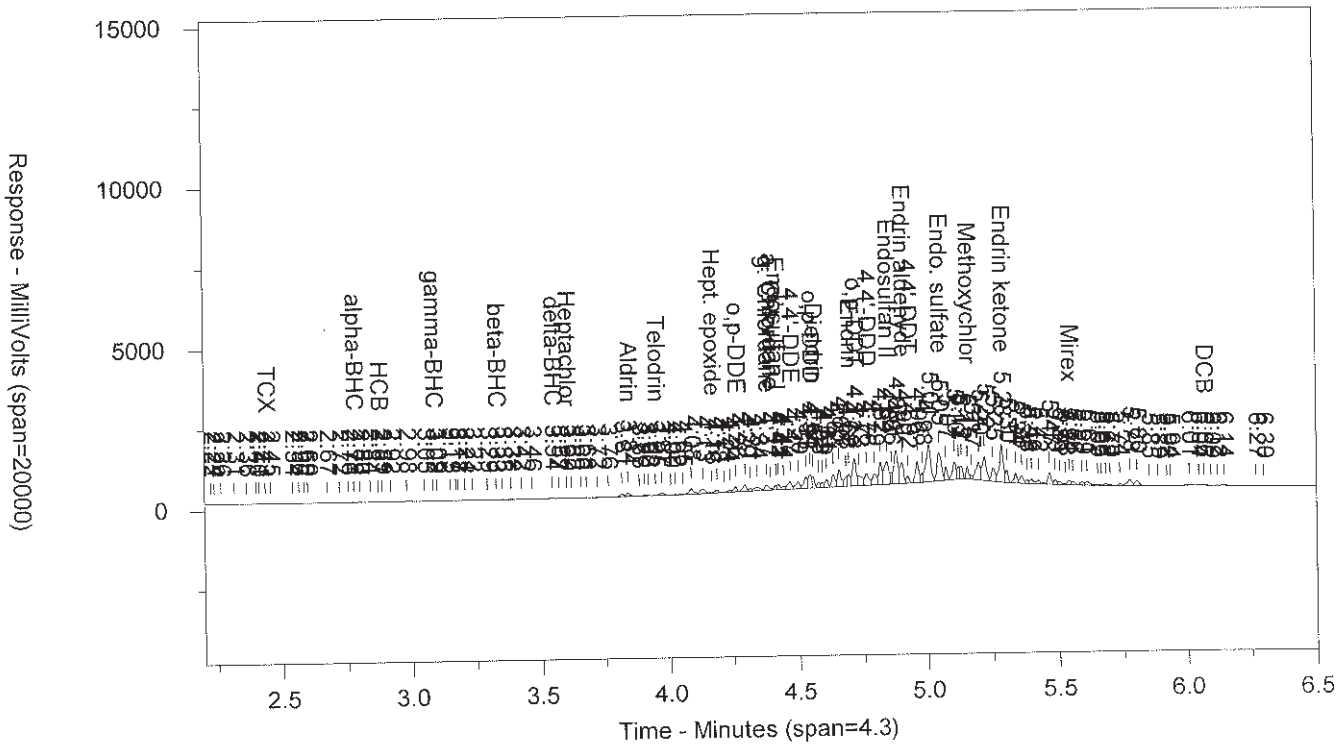
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 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 11/14/2018 6:35:13 AM
 File Reported On: 11/14/2018 at 8:57:45 AM

TOXA41824E ZDTOXA4ZD CCAL 183169999 00177 SW-846 8081

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Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD41824D FBCHLD4FB CCAL 1831699999 00177 Analyst: 2306 SW-846 8081A
 Injected On: 11/14/2018 6:38:21 AM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB CLP2 30m x 0.32mm x 0.25um
 Date File: 35pest18271026.094.RAW
 Method File: 35PESTDI.MET
 Calibration File: 35pest1827109.CAL

RT A	Compound A	Height A	Area A
.03		596	130
.038		641	198
.056		644	133
.092		421	148
1.502		3427	1212
1.532		1081	418
1.54		1065	569
1.582		792	220
1.597		809	444
1.615		2299	2249
1.631		1586	929
1.669		8798	6807
1.7		8759	8795
1.782		3949	6103
1.835		295188	274921
1.898		550	98
1.913		980	144
1.946		1742	1017
1.968		583	307
1.985		1235	510
2.041		1057	590
2.052		807	296
2.071		794	854
2.083		816	223
2.106		52836	45070
2.158	HCB	38876	39396
2.202	alpha-BHC	884	449
2.244		2831	2454
2.275		553	80
2.292		1139	358
2.339		833	747
2.364		2389	1110
2.371		1231	279
2.42		54488	64069
2.449		12305	8313
2.482		3604	2755
2.504	gamma-BHC	1113	409
2.533		41134	37322
2.576		18197	20379
2.607		23486	23485
2.652		499126	476356
2.692	beta-BHC	61830	59885
2.752		9066	8649
2.809	Heptachlor	606415	624282
2.843		34730	32287
2.865		1077	228
2.9		85384	91081
2.926		31084	29006
2.959	delta-BHC	2521	1565
3.001		57977	69570
3.046		8353	8940
3.064		6274	2634
3.083	Aldrin	18012	21982
3.113		52766	63367

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
3.146		50864	73904
3.226		339682	563616
3.283		63721	66447
3.334		169560	199331
3.388		59060	70638
3.412		44889	48301
3.436		15050	11586
3.457		42535	66119
3.49		3283	1784
3.518		103178	93540
3.541	Hept. epoxide	15240	18507
3.58		400693	457286
3.617		263946	243071
3.642		122954	109893
3.661		209080	218802
3.686		25215	11121
3.71		141372	147667
3.734	g. Chlordane	1689473	1502406
3.753	o,p-DDE	1327808	1145438
3.779		736252	622026
3.804	a. Chlordane	1370662	1172402
3.846	Endosulfan I	132233	152938
3.893		73144	79841
3.934		24696	15617
3.948		34853	35848
3.963	4,4'-DDE	31179	27579
3.989		171868	149064
4.028	Dieldrin	94580	86632
4.082		99346	77775
4.101	o,p-DDD	21436	11486
4.124		41535	68877
4.157		19152	13559
4.173		58568	45790
4.22		93998	163182
4.249	Endrin	46442	31333
4.272	o,p-DDT	483514	458876
4.298		58743	38184
4.34	4,4'-DDD	29724	33916
4.369		95569	74589
4.391	Endosulfan II	61062	71720
4.419		662817	521975
4.46		25477	43468
4.481	4,4'-DDT	17647	11672
4.499		12566	11813
4.516		12126	7608
4.539	Endrin aldehyde	9618	7884
4.565		5474	3718
4.609		132073	115440
4.641	Endo. sulfate	56936	58811
4.666		7951	6151
4.682		10202	9638
4.709		7396	5425
4.743		15780	13348
4.769		16778	13421
4.782		14423	11836
4.812		7361	7891
4.835		3997	1758
4.87	Methoxychlor	12319	11680
4.907		12545	10694
4.927		15753	13234
4.959	Endrin ketone	1819	663
5.009		85846	93411
5.048	Mirex	5141	4908
5.071		2209	1047
5.13		62882	56340
5.152		22480	17267

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
5.181		25453	40821
5.203		20728	44002
5.253		5285	1920
5.285		11568	16306
5.297		9869	6786
5.326		9274	10765
5.363		16815	27509
5.404		5087	4369
5.433		3092	5455
5.459		3625	4435
5.484		1656	1144
5.494		1014	173
5.523	DCB	24350	31264
5.604		552	364
5.613		665	233
5.619		1090	281
5.653		783	257
5.698		598	2717
5.713		1341	578
5.761		14279	47326
5.848		1012	311
5.861		3153	2262
5.907		1211	278
5.917		829	161
5.941		812	270
5.948		1220	237
5.955		1095	279
5.965		1300	471
5.989		698	229
6.001		602	311
6.01		913	233
6.02		841	212
6.064		3992	4874
6.09		1286	346
6.121		1081	397
6.135		715	239
6.156		859	341
6.169		783	201
6.177		827	230
6.2		1581	1376
6.238		432	168
6.251		879	290
6.26		580	93
6.297		800	939
6.339		1040	385
6.356		883	507
6.369		1070	225
6.375		791	111
6.385		828	227
6.404		942	137
6.415		638	132
6.432		2667	3667
6.479		980	344
6.51		499	204
6.519		1057	500
6.563		784	541
6.574		940	184
6.594		1754	915
6.629		1013	419
6.645		908	354
6.652		985	429
6.672		1022	338
6.686		1069	352
6.698		1018	489
6.721		818	731
6.728		1126	222

Chrom Perfect Chromatogram Report

RT A	Compound A	Height A	Area A
6.744		1833	852
6.757		789	152
6.77		846	494
6.784		1386	753
6.801		1203	472
6.841		1445	265
6.87		949	246
6.924		794	183
6.954		880	515
6.987		1091	1937
6.995		736	209
7.009		1285	185
7.019		938	250
7.072		1388	312
7.086		915	284
7.105		1106	299
7.126		967	512
7.16		1176	665
7.182		1031	176
7.194		1574	448
7.218		1163	244
7.223		964	177
7.237		601	141
7.266		901	269
7.281		729	154
7.303		675	350
7.321		1392	483

Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD41824D FBCHLD4FB CCAL 1831699999 00177 Analyst: 2306 SW-846 8081A
Injected On: 11/14/2018 6:38:21 AM Sample Weight: 1
Instrument ID: CP35-24952 Dilution Factor: 1
Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
Column A ID: DB CLP1 30m x 0.32mm x 0.5um
Column B ID: DB CLP2 30m x 0.32mm x 0.25um
Data File: 35pest18271026B.094.RAW
Method File: 35PESTDIB.MET
Calibration File: 35pest1827109B.CAL

RT B	Compound B	Height B	Area B
.026		561	214
.093		432	121
1.535		3615	4677
1.562		7188	11413
1.598		11979	15176
1.664		22567	24372
1.701		2216	2936
1.757		39349	47747
1.815		578	136
1.839		603	268
1.859		2729	1636
1.892		31861	31814
1.922		2085	2155
1.968		18087	17830
2.003		1061	728
2.038		780	578
2.067		598	382
2.095		4849	5842
2.143		8729	8137
2.175		5555	4869
2.194		598	174
2.21		2453	2393
2.244		1120	678
2.266		2156	1524
2.292		663	284
2.315		741	204
2.329		484	253
2.355		482	114
2.4		1408	1462
2.43	TCX	242475	236953
2.522		876	660
2.539		475	164
2.591		446	173
2.663		594	213
2.691		540	168
2.749		4646	5579
2.802		31499	28109
2.827		20071	15716
2.895		1725	1422
2.955		1484	1276
2.983		5624	4620
3.03		3771	4461
3.068	gamma-BHC	9728	8595
3.101		8424	10701
3.152		11084	10713
3.183		40866	52344
3.214		13444	18995
3.294		33867	33845
3.34	beta-BHC	13464	13518
3.368		2907	2678
3.389		4729	4316
3.428		412564	417933
3.458		6711	6191
3.517		1144	901

Chrom Perfect Chromatogram Report

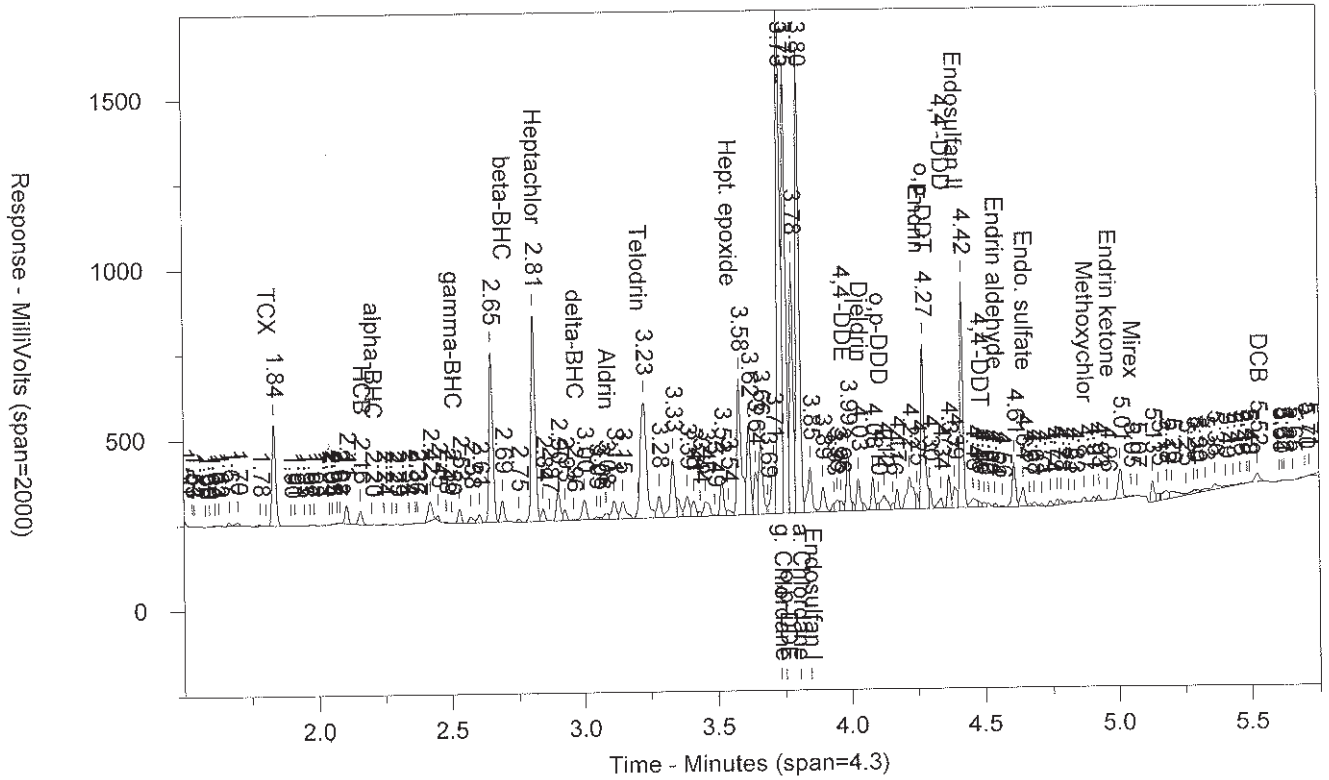
RT B	Compound B	Height B	Area B
3.553	delta-BHC	12248	14182
3.6	Heptachlor	570814	539337
3.632		38401	32545
3.651		66323	66604
3.684		1373	710
3.712		9897	9652
3.751		12707	11185
3.781		12740	11269
3.815		66392	81018
3.858	Aldrin	404008	354224
3.885		46792	42806
3.919		55683	60843
3.952	Telodrin	33293	31010
3.989		48552	61077
4.01		42625	39653
4.027		25724	17458
4.047		101213	66455
4.06		171249	163052
4.108		9811	10828
4.127		4391	2803
4.155	Hept. epoxide	57727	45141
4.177		396301	366553
4.211		211098	196896
4.228		82703	59361
4.258	o,p-DDE	42211	47502
4.292		37663	25858
4.311		206856	197499
4.328		107672	66318
4.355	g. Chlordane	1580012	1361876
4.386	a. Chlordane	1050952	848582
4.414	Endosulfan I	979616	812519
4.452		42083	34618
4.467	4,4'-DDE	17154	12847
4.487		16854	19866
4.541	o,p-DDD	136991	139324
4.583	Dieldrin	100411	97928
4.651		33078	56952
4.674		58383	45666
4.692	Endrin	75958	88498
4.728	o,p-DDT	53336	56143
4.754		24797	27591
4.783	4,4'-DDD	336030	265551
4.813		78565	60504
4.834	Endosulfan II	86846	103503
4.866		47771	43393
4.884		451186	347463
4.923	Endrin aldehyde	62832	58456
4.955	4,4'-DDT	23705	38967
4.984		21351	21842
5.017		5369	3800
5.051	Endo. sulfate	14811	11950
5.075		98052	81921
5.101		22454	14516
5.136		3866	2155
5.152	Methoxychlor	10042	5941
5.179		9440	6721
5.22		14006	11901
5.252		5302	4434
5.277	Endrin ketone	3403	2591
5.306		7282	4422
5.328		10293	7746
5.343		6076	4498
5.372		13384	8589
5.4		36938	27210
5.426		9841	7720
5.447		24992	18865

Chrom Perfect Chromatogram Report

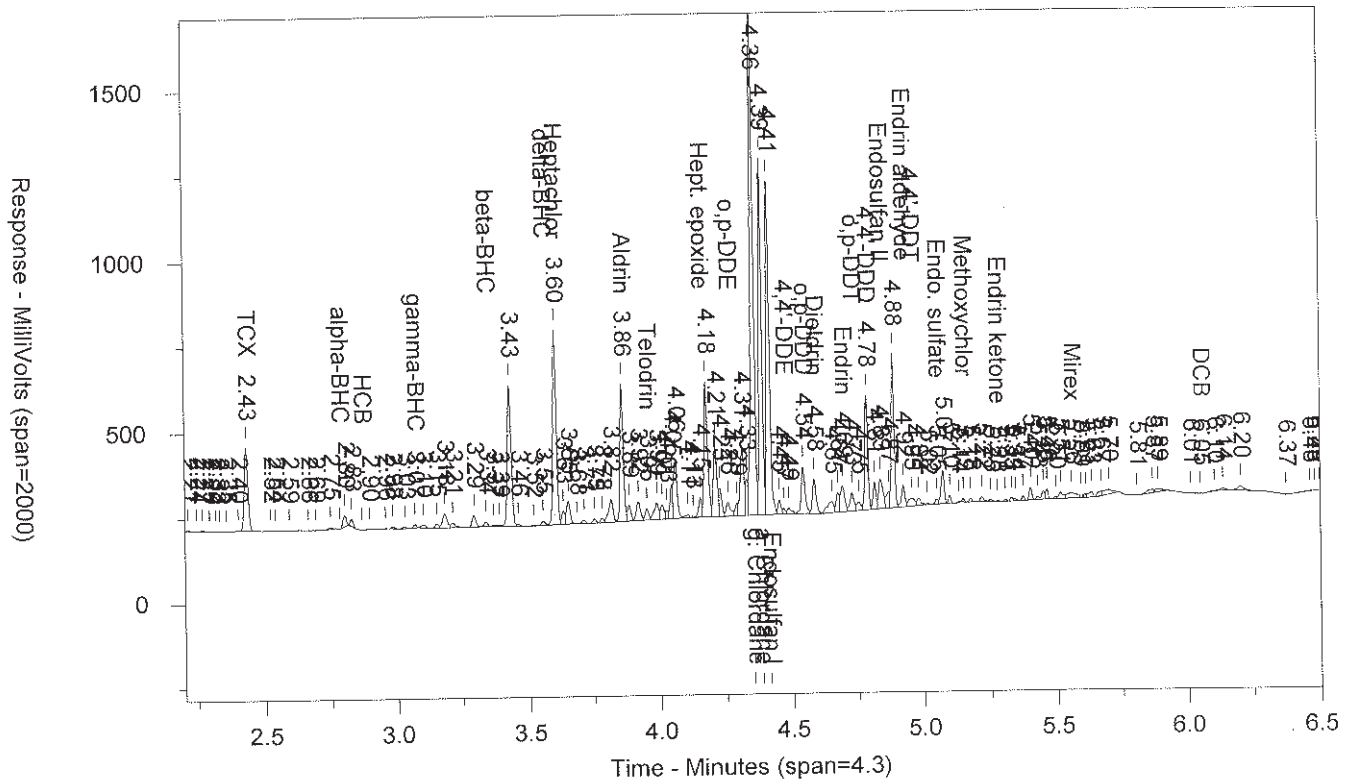
RT B	Compound B	Height B	Area B
5.462		28767	20316
5.496		5516	4188
5.513		18353	23665
5.557	Mirex	16459	41105
5.592		9727	6193
5.612		9943	6217
5.633		16341	20773
5.671		13930	17202
5.7		13914	35651
5.808		827	203
5.869		10113	20028
5.889		9059	15411
6.011		1871	2052
6.05	DCB	925	154
6.103		501	2293
6.135		6272	10028
6.202		12817	22496
6.373		474	123
6.462		970	2553
6.48		909	392
6.497		360	225
6.513		781	136
6.633		540	384
6.649		444	167
6.689		708	179
6.703		587	347
6.719		819	903
6.745		737	259
6.777		637	516
6.798		730	199
6.896		518	691
6.93		525	166
6.987		798	173
7.002		719	162
7.098		563	278
7.108		699	323
7.127		515	286
7.14		644	166
7.156		513	108
7.168		444	178
7.185		712	329
7.22		641	1312
7.243		506	131
7.27		577	319
7.295		1126	959

CHLD41824D FBCHLD4FB CCAL 183169999 00177 SW-846 8081

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026.094.RAW



\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.094.RAW



Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: CHLD41824D FBCHLD4FB CCAL 183169999 00177 SW-846 8081A
 Injected On: 11/14/2018 6:38:21 AM Sample Weight: 1
 Instrument ID: CP35-24952 Dilution Factor: 1
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

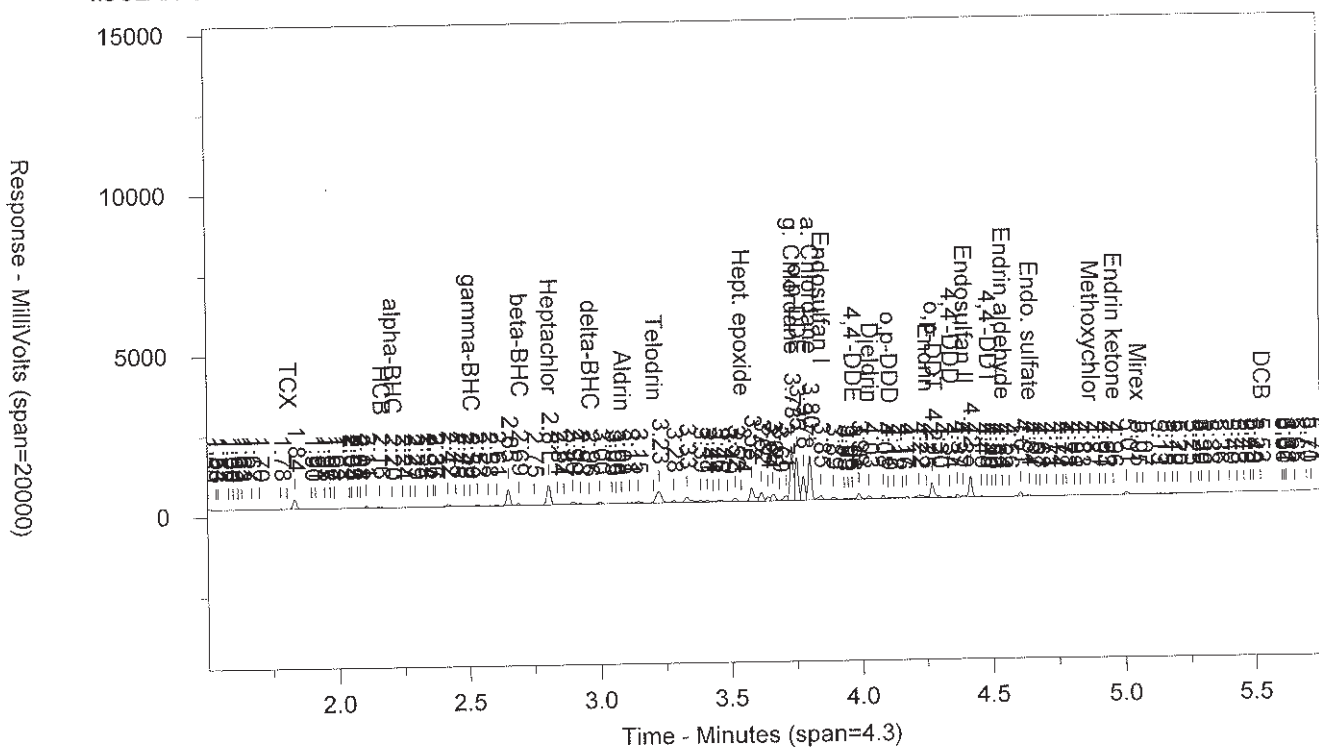
RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.158	38876	.1	HCB		0		HCB
2.202	884	.004	alpha-BHC		0		alpha-BHC
	0		TCX	2.43	242475	1.984	TCX
2.504	1113	.006	gamma-BHC	3.068	9728	.069	gamma-BHC
2.692	61830	.609	beta-BHC	3.34	13464	-.021	beta-BHC
2.809	606415	4.068	Heptachlor	3.6	570814	4.048	Heptachlor
2.959	2521	.014	delta-BHC	3.553	12248	.076	delta-BHC
3.083	18012	.106	Aldrin	3.858	404008	2.655	Aldrin
3.541	15240	.091	Hept. epoxide	4.155	57727	.21	Hept. epoxide
3.734	1689473	9.11	g. Chlordane	4.355	1580012	11.454	g. Chlordane
3.753	1327808	10.888	o,p-DDE	4.258	42211	-.063	o,p-DDE
3.804	1370662	7.338	a. Chlordane	4.386	1050952	7.751	a. Chlordane
3.846	132233	.758	Endosulfan I	4.414	979616	7.617	Endosulfan I
	0		Telodrin	3.952	33293	.108	Telodrin
3.963	31179	.165	4,4'-DDE	4.467	17154	.116	4,4'-DDE
4.028	94580	.494	Dieldrin	4.583	100411	.704	Dieldrin
4.101	21436	-.18	o,p-DDD	4.541	136991	1.229	o,p-DDD
4.249	46442	.273	Endrin	4.692	75958	.475	Endrin
4.272	483514	3.941	o,p-DDT	4.728	53336	.113	o,p-DDT
4.34	29724	-.1	4,4'-DDD	4.783	336030	2.408	4,4'-DDD
4.391	61062	.348	Endosulfan II	4.834	86846	.448	Endosulfan II
4.481	17647	.148	4,4'-DDT	4.955	23705	.222	4,4'-DDT
4.539	9618	.065	Endrin aldehyde	4.923	62832	.444	Endrin aldehyde
4.641	56936	.457	Endo. sulfate	5.051	14811	-.105	Endo. sulfate
4.87	12319	2.971	Methoxychlor	5.152	10042	.177	Methoxychlor
4.959	1819	-.176	Endrin ketone	5.277	3403	-.22	Endrin ketone
5.048	5141	.039	Mirex	5.557	16459	-1.533	Mirex
5.523	24350	.373	DCB	6.05	925	-.395	DCB

Files:

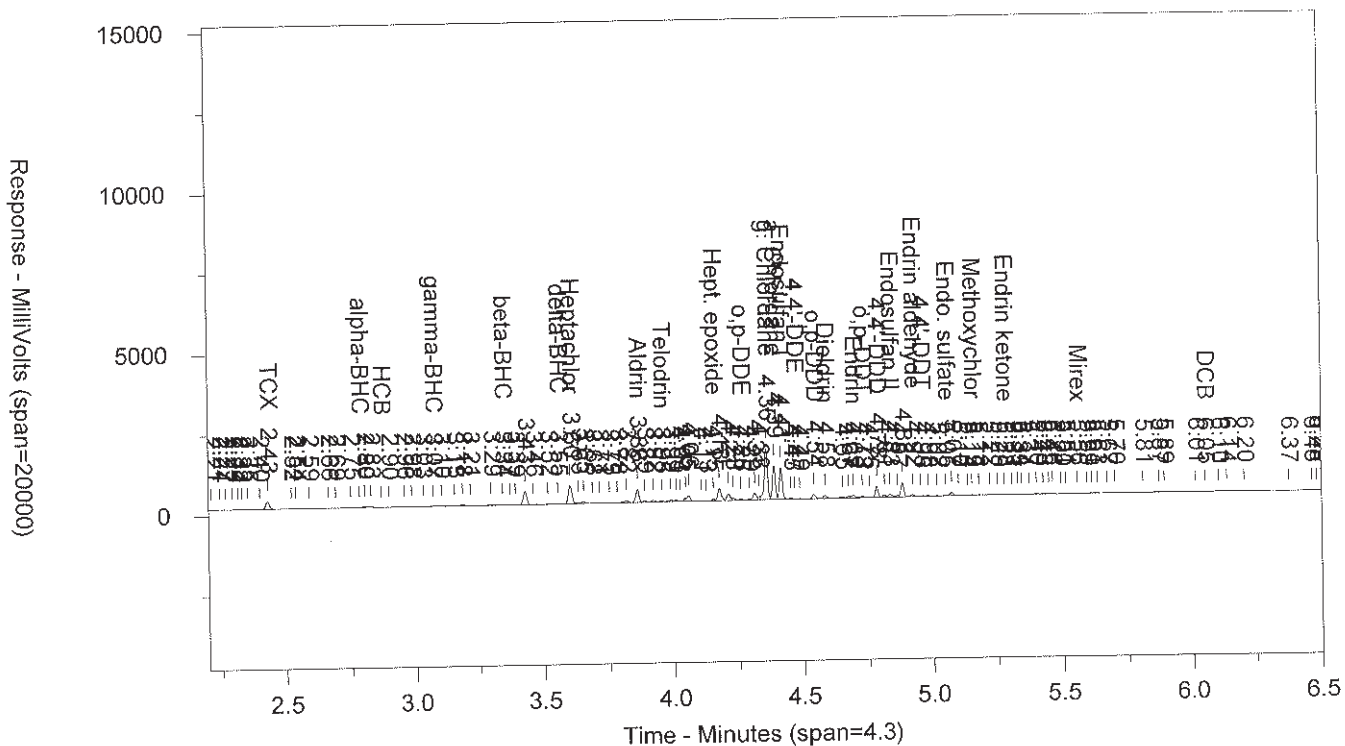
Area File: 35pest18271026.094.RAW
 Area File: 35pest18271026B.094.RAW
 Method A: 35PESTD1.MET
 Method B: 35PESTD1B.MET
 Calibration File A: 35pest1827109.CAL
 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 11/14/2018 6:45:44 AM
 File Reported On: 11/14/2018 at 8:58:01 AM

CHLD41824D FBCHLD4FB CCAL 183169999 00177 SW-846 8081

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026.094.RAW



\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.094.RAW



Raw QC Data

Pesticides

Data Summary

Sample Name: BLANKA 11/2/18 CFG PBLK38305 BLK Sample ID: AC Batchnumber: 183050038A
Sample Amount: 30 g Total Volume: 10 ml Analyst: 15222 SDG: State:
Analyses: 14587

Analysis Report (A)

Injected on Nov 14, 2018 03:19:03
Instrument 24952A
Result file 35PEST18271026.075.RAW
Calibration file 35PEST1827109
Method file 35PESTD

%SSR(TCX) 83% (26 - 145) Conc: 8.371908
 %SSR(DCB) 107% (39 - 152) Conc: 10.63383

Analysis Report (B)

Injected on Nov 14, 2018 03:19:03
Instrument 24952B
Result file 35PEST18271026B.075.RAW
Calibration file 35PEST1827109B
Method file 35PESTD

%SSR(TCX) 81% (26 - 145) Conc: 8.166291
 %SSR(DCB) 113% (39 - 152) Conc: 11.20613

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	1.79	1.80	1.83	3660670	8.371908	Tetrachloro-m-xylene	2.42	2.44	2.46	2993892	8.166291
HCB	2.14	2.15	2.18	2600	0	HCB	2.85	2.86	2.89	1435	0
Alpha BHC	2.20	2.21	2.24	7674	0.011568	Gamma BHC - Lindane	3.06	3.06	3.10	21350	0.05023
Beta BHC	2.69	2.72	2.73	29682	0.067219	Beta BHC	3.31	3.32	3.35	4099	0
Heptachlor	2.79	2.83	2.83	3894	0.008707	Delta BHC	3.53	3.56	3.57	9190	0.018885
Delta BHC	2.94	2.96	2.98	5890	0.011039	Aldrin	3.83	3.84	3.87	3123	0.006843
Aldrin	3.07	3.09	3.11	6428	0.012662	Telodrin	3.92	3.95	3.96	67320	0.148805
Telodrin	3.18	3.21	3.22	2790	0	Heptachlor Epoxide	4.13	4.15	4.17	48704	0.045948
Heptachlor Epoxide	3.54	3.56	3.58	78214	0.156004	o,p-DDE	4.24	4.27	4.28	131183	0.317846
o,p-DDE	3.73	3.73	3.77	7188	0	Gamma Chlordane	4.34	4.36	4.38	11675	0
Gamma Chlordane	3.73	3.76	3.77	11798	0.021205	Alpha Chlordane	4.37	4.40	4.41	3217	0
Alpha Chlordane	3.79	3.81	3.83	54357	0.096997	Endosulfan I	4.39	4.43	4.43	1852	0
Endosulfan I	3.82	3.85	3.86	28121	0.053737	p,p-DDE	4.46	4.48	4.50	7542	0.016935
p,p-DDE	3.94	3.96	3.98	1964	0.00346	o,p-DDD	4.52	4.54	4.56	4801	0
Dieldrin	4.02	4.03	4.06	3463	0.00603	o,p-DDT	4.70	4.72	4.74	8149	0
o,p-DDD	4.07	4.09	4.11	13561	0	p,p-DDD	4.75	4.78	4.79	2047	0
Endrin	4.22	4.26	4.26	10782	0.02109	Endosulfan II	4.83	4.86	4.86	655	0
p,p-DDD	4.30	4.32	4.34	5324	0	Endrin Aldehyde	4.89	4.92	4.93	5913	0
Endosulfan II	4.39	4.41	4.43	25862	0.049079	p,p-DDT	4.92	4.94	4.96	2902	0.009053
p,p-DDT	4.47	4.48	4.51	17383	0.048442	Endosulfan Sulfate	5.04	5.05	5.07	1009	0
Endrin Aldehyde	4.52	4.54	4.56	1002	0.002241	Methoxychlor	5.14	5.16	5.18	2545	0.014931
Endosulfan Sulfate	4.63	4.64	4.67	412	0.028737	Mirex	5.53	5.54	5.57	18522	0
Methoxychlor	4.84	4.86	4.88	4097	0.94814	Decachlorobiphenyl	6.05	6.08	6.11	2321770	11.20613
Endrin Ketone	4.95	4.96	4.99	2931	0						
Mirex	5.03	5.04	5.06	1146	0.002929						
Decachlorobiphenyl	5.49	5.51	5.55	5338178	10.63383						

Single Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	Comments
<input type="checkbox"/> Tetrachloro-m-xylene	A	8.371908	0.5	1	1		2.49	
<input type="checkbox"/> Tetrachloro-m-xylene-D1	A	8.371908	0.5	1	1			
<input type="checkbox"/> Tetrachloro-m-xylene-D2	B	8.166291	0.5	1	1			
<input type="checkbox"/> HCB			<0.21	<0.5	<0.83			
<input type="checkbox"/> Alpha BHC			<0.17	<0.6	<0.83			
<input type="checkbox"/> Gamma BHC - Lindane			<0.21	<0.6	<0.83			
<input type="checkbox"/> Beta BHC			<0.44	<0.9	<1			
<input type="checkbox"/> Heptachlor			<0.31	<0.62	<0.83			
<input type="checkbox"/> Delta BHC			<0.45	<0.9	<1			
<input type="checkbox"/> Aldrin			<0.17	<0.6	<0.83			
<input type="checkbox"/> Telodrin					<1.2			
<input type="checkbox"/> Heptachlor Epoxide			<0.17	<0.6	<0.83			
<input type="checkbox"/> o,p-DDE			<0.33	<0.9	<1.7			
<input type="checkbox"/> Gamma Chlordane			<0.25	<0.6	<0.83			
<input type="checkbox"/> Alpha Chlordane			<0.17	<0.6	<0.83			
<input type="checkbox"/> Endosulfan I			<0.22	<0.6	<0.83			

Reviewed and digitally signed by Dylan Schreiner on 11/19/2018 10:40:32

Data Summary

Sample Name: **BLANKA** 11/2/18 CFG PBLK38305 BLK Sample ID: AC Batchnumber: 183050038A
 Sample Amount: 30 g Total Volume: 10 ml Analyst: 15222 SDG: State:
 Analyses: 14587

Analysis Report (A)

Injected on Nov 14, 2018 03:19:03
 Instrument 24952A
 Result file 35PEST18271026.075.RAW
 Calibration file 35PEST1827109
 Method file 35PESTD

Analysis Report (B)

Injected on Nov 14, 2018 03:19:03
 Instrument 24952B
 Result file 35PEST18271026B.075.RAW
 Calibration file 35PEST1827109B
 Method file 35PESTD

Single Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	Comments
<input type="checkbox"/> p,p-DDE			<0.33	<1.2	<1.7			
<input type="checkbox"/> Dieldrin			<0.33	<1.2	<1.7			
<input type="checkbox"/> o,p-DDD			<0.33	<0.9	<1.7			
<input type="checkbox"/> Endrin			<0.68	<1.4	<1.7			
<input type="checkbox"/> o,p-DDT			<0.33	<0.9	<1.7			
<input type="checkbox"/> p,p-DDD			<0.33	<1.2	<1.7			
<input type="checkbox"/> Endosulfan II			<1.1	<2.2	<2.3			
<input type="checkbox"/> p,p-DDT			<0.79	<1.6	<1.7			
<input type="checkbox"/> Endrin Aldehyde			<0.33	<1.2	<1.7			
<input type="checkbox"/> Endosulfan Sulfate			<0.33	<1.2	<1.7			
<input type="checkbox"/> Methoxychlor			<1.8	<6.5	<6.7			
<input type="checkbox"/> Endrin Ketone			<0.6	<1.8	<2			
<input type="checkbox"/> Mirex			<0.35	<0.7	<1.7			
<input type="checkbox"/> Decachlorobiphenyl	B	11.20613	0.5	1	1		5.24	
<input type="checkbox"/> Decachlorobiphenyl-D1	A	10.63383	0.5	1	1			
<input type="checkbox"/> Decachlorobiphenyl-D2	B	11.20613	0.5	1	1			

Multiple Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	No Req. Hits	Comments
<input type="checkbox"/> Chlordane			<4	<8	<17			4	
<input type="checkbox"/> Toxaphene			<14	<28	<33			4	

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Valerie L. Tomayko
 Valerie L. Tomayko
 Principal Specialist

NOV 19 2018

Data Summary

Sample Name: **BLANKA** 11/2/18 CFG PBLK38305 BLK Sample ID: AC Batchnumber: 183050038A
 Sample Amount: 30 g Total Volume: 10 ml Analyst: 15222 SDG: State:
 Analyses: 14587

Analysis Report (A)

Injected on Nov 14, 2018 03:19:03
 Instrument 24952A
 Result file 35PEST18271026.075.RAW
 Calibration file 35PEST1827109B
 Method file 35PESTD

%SSR(TCX) 83% (42 - 129) Conc: 8.371908
 %SSR(DCB) 107% (39 - 152) Conc: 10.63383

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	1.79	1.80	1.83	3660670	8.371908
HCB	2.14	2.15	2.18	2600	0
Alpha BHC	2.20	2.21	2.24	7674	0.011568
Beta BHC	2.69	2.72	2.73	29682	0.067219
Heptachlor	2.79	2.83	2.83	3894	0.008707
Delta BHC	2.94	2.96	2.98	5890	0.011039
Aldrin	3.07	3.09	3.11	6428	0.012662
Telodrin	3.18	3.21	3.22	2790	0
Heptachlor Epoxide	3.54	3.56	3.58	78214	0.156004
o,p-DDE	3.73	3.73	3.77	7188	0
Gamma Chlordane	3.73	3.76	3.77	11798	0.021205
Alpha Chlordane	3.79	3.81	3.83	54357	0.096997
Endosulfan I	3.82	3.85	3.86	28121	0.053737
p,p-DDE	3.94	3.96	3.98	1964	0.00346
Dieldrin	4.02	4.03	4.06	3463	0.00603
o,p-DDD	4.07	4.09	4.11	13561	0
Endrin	4.22	4.26	4.26	10782	0.02109
p,p-DDD	4.30	4.32	4.34	5324	0
Endosulfan II	4.39	4.41	4.43	25862	0.049079
p,p-DDT	4.47	4.48	4.51	17383	0.048442
Endrin Aldehyde	4.52	4.54	4.56	1002	0.002241
Endosulfan Sulfate	4.63	4.64	4.67	412	0.028737
Methoxychlor	4.84	4.86	4.88	4097	0.94814
Endrin Ketone	4.95	4.96	4.99	2931	0
Mirex	5.03	5.04	5.06	1146	0.002929
Decachlorobiphenyl	5.49	5.51	5.55	5338178	10.63383

Analysis Report (B)

Injected on Nov 14, 2018 03:19:03
 Instrument 24952B
 Result file 35PEST18271026B.075.RAW
 Calibration file 35PEST1827109B
 Method file 35PESTD

%SSR(TCX) 81% (42 - 129) Conc: 8.166291
 %SSR(DCB) 113% (39 - 152) Conc: 11.20613

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.42	2.44	2.46	2993892	8.166291
HCB	2.85	2.86	2.89	1435	0
Gamma BHC - Lindane	3.06	3.06	3.10	21350	0.05023
Beta BHC	3.31	3.32	3.35	4099	0
Delta BHC	3.53	3.56	3.57	9190	0.018885
Aldrin	3.83	3.84	3.87	3123	0.006843
Telodrin	3.92	3.95	3.96	67320	0.148805
Heptachlor Epoxide	4.13	4.15	4.17	48704	0.045948
o,p-DDE	4.24	4.27	4.28	131183	0.317846
Gamma Chlordane	4.34	4.36	4.38	11675	0
Alpha Chlordane	4.37	4.40	4.41	3217	0
Endosulfan I	4.39	4.43	4.43	1852	0
p,p-DDE	4.46	4.48	4.50	7542	0.016935
o,p-DDD	4.52	4.54	4.56	4801	0
o,p-DDT	4.70	4.72	4.74	8149	0
p,p-DDD	4.75	4.78	4.79	2047	0
Endosulfan II	4.83	4.86	4.86	655	0
Endrin Aldehyde	4.89	4.92	4.93	5913	0
p,p-DDT	4.92	4.94	4.96	2902	0.009053
Endosulfan Sulfate	5.04	5.05	5.07	1009	0
Methoxychlor	5.14	5.16	5.18	2545	0.014931
Mirex	5.53	5.54	5.57	18522	0
Decachlorobiphenyl	6.05	6.08	6.11	2321770	11.20613

Single Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	Comments
<input type="checkbox"/> Tetrachloro-m-xylene	A	8.371908	0.5	1	1		2.49	
<input type="checkbox"/> Tetrachloro-m-xylene-D1	A	8.371908	0.5	1	1			
<input type="checkbox"/> Tetrachloro-m-xylene-D2	B	8.166291	0.5	1	1			
<input type="checkbox"/> HCB			<0.21	<0.5	<0.83			
<input type="checkbox"/> Alpha BHC			<0.17	<0.6	<0.83			
<input type="checkbox"/> Gamma BHC - Lindane			<0.21	<0.6	<0.83			
<input type="checkbox"/> Beta BHC			<0.44	<0.9	<1			
<input type="checkbox"/> Heptachlor			<0.31	<0.62	<0.83			
<input type="checkbox"/> Delta BHC			<0.45	<0.9	<1			
<input type="checkbox"/> Aldrin			<0.17	<0.6	<0.83			
<input type="checkbox"/> Telodrin					<1.2			
<input type="checkbox"/> Heptachlor Epoxide			<0.17	<0.6	<0.83			
<input type="checkbox"/> o,p-DDE			<0.33	<0.9	<1.7			
<input type="checkbox"/> Gamma Chlordane			<0.25	<0.6	<0.83			
<input type="checkbox"/> Alpha Chlordane			<0.17	<0.6	<0.83			
<input type="checkbox"/> Endosulfan I			<0.22	<0.6	<0.83			

Reviewed and digitally signed by Dylan Schreiner on 11/19/2018 10:40:35

Data Summary

Sample Name: BLANKA 11/2/18 CFG PBLK38305 BLK Sample ID: AC **Batchnumber:** 183050038A
Sample Amount: 30 g **Total Volume:** 10 ml **Analyst:** 15222 **SDG:** **State:**
Analyses: 14587

Analysis Report (A)

Injected on Nov 14, 2018 03:19:03
Instrument 24952A
Result file 35PEST18271026.075.RAW
Calibration file 35PEST1827109
Method file 35PESTD

Analysis Report (B)

Injected on Nov 14, 2018 03:19:03
Instrument 24952B
Result file 35PEST18271026B.075.RAW
Calibration file 35PEST1827109B
Method file 35PESTDB

Single Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	Comments
<input type="checkbox"/> p,p-DDE			<0.33	<1.2	<1.7			
<input type="checkbox"/> Dieldrin			<0.33	<1.2	<1.7			
<input type="checkbox"/> o,p-DDD			<0.33	<0.9	<1.7			
<input type="checkbox"/> Endrin			<0.68	<1.4	<1.7			
<input type="checkbox"/> o,p-DDT			<0.33	<0.9	<1.7			
<input type="checkbox"/> p,p-DDD			<0.33	<1.2	<1.7			
<input type="checkbox"/> Endosulfan II			<1.1	<2.2	<2.3			
<input type="checkbox"/> p,p-DDT			<0.79	<1.6	<1.7			
<input type="checkbox"/> Endrin Aldehyde			<0.33	<1.2	<1.7			
<input type="checkbox"/> Endosulfan Sulfate			<0.33	<1.2	<1.7			
<input type="checkbox"/> Mothoxychlor			<1.8	<6.5	<6.7			
<input type="checkbox"/> Endrin Ketone			<0.6	<1.8	<2			
<input type="checkbox"/> Mirex			<0.35	<0.7	<1.7			
<input type="checkbox"/> Decachlorobiphenyl	B	11.20613	0.5	1	1		5.24	
<input type="checkbox"/> Decachlorobiphenyl-D1	A	10.63383	0.5	1	1			
<input type="checkbox"/> Decachlorobiphenyl-D2	B	11.20613	0.5	1	1			

Multiple Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	No Req. Hits	Comments
<input type="checkbox"/> Chlordane			<4	<8	<17			4	
<input type="checkbox"/> Toxaphene			<14	<28	<33			4	

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100


 Valerie L. Tomayko
 Principal Specialist

NOV 19 2018

Reviewed and digitally signed by Dylan Schreiner on 11/19/2018 10:40:35

Eurofins Lancaster Laboratories-Single Component Data Summary

Sample Name: BLANKA 11/2/18 CFG **PBLK38305 ID:** AC **Batchnumber:** 183050038A
Sample Amount: 30 g **Total Volume:** 10 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 03:19:03
 Instrument : CP35--24952A
 Result file : 35PEST18271026.075.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : 83% (26-145) Conc.: 8.371908
 %SSR(DCB) : 107% (39-152) Conc.: 10.63383

Analysis Report (B)

Injected on : Nov 14, 2018 03:19:03
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.075.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : 84% (26-145) Conc.: 8.166291
 %SSR(DCB) : 113% (39-152) Conc.: 11.20613

Peak name	Min	R.T.	Max	Height	Amount
TCX	1.79	1.80	1.83	3660670	8.371908
HCB	2.14	2.15	2.18	2600	-0.045132
alpha-BHC	2.20	2.21	2.24	7674	0.011568
beta-BHC	2.69	2.72	2.73	29682	0.067219
Heptachlor	2.79	2.83	2.83	3894	0.008707
delta-BHC	2.94	2.96	2.98	5890	0.011039
Aldrin	3.07	3.09	3.11	6428	0.012662
Telodrin	3.18	3.21	3.22	2790	-0.040510
Hept. epoxide	3.54	3.56	3.58	78214	0.156004
o,p-DDE	3.73	3.73	3.77	7188	-0.138224
g. Chlordane	3.73	3.76	3.77	11798	0.021205
a. Chlordane	3.79	3.81	3.83	54357	0.096997
Endosulfan I	3.82	3.85	3.86	28121	0.053737
4,4'-DDE	3.94	3.96	3.98	1964	0.003460
Dieldrin	4.02	4.03	4.06	3463	0.006030
o,p-DDD	4.07	4.09	4.11	13561	-0.084725
Endrin	4.22	4.26	4.26	10782	0.021090
4,4'-DDD	4.30	4.32	4.34	5324	-0.082044
Endosulfan II	4.39	4.41	4.43	25862	0.049079
4,4'-DDT	4.47	4.48	4.51	17383	0.048442
Endrin aldehyde	4.52	4.54	4.56	1002	0.002311
Endo. sulfate	4.63	4.64	4.67	412	0.028737
Methoxychlor	4.84	4.86	4.88	4097	0.948140
Endrin ketone	4.95	4.96	4.99	2931	-0.056502
Mirex	5.03	5.04	5.06	1146	0.002929
DCB	5.49	5.51	5.55	5338178	10.633830

Peak name	Min	R.T.	Max	Height	Amount
TCX	2.42	2.44	2.46	2993892	8.166291
HCB	2.85	2.86	2.89	1435	-0.060552
gamma-BHC	3.06	3.06	3.10	21350	0.050230
beta-BHC	3.31	3.32	3.35	4099	-0.055688
delta-BHC	3.53	3.56	3.57	9190	0.018885
Aldrin	3.83	3.84	3.87	3123	0.006843
Telodrin	3.92	3.95	3.96	67320	0.148805
Hept. epoxide	4.13	4.15	4.17	48704	0.045948
o,p-DDE	4.24	4.27	4.28	131183	0.317846
g. Chlordane	4.34	4.36	4.38	11675	-0.009822
a. Chlordane	4.37	4.40	4.41	3217	-0.055933
Endosulfan I	4.39	4.43	4.43	1852	-0.053651
4,4'-DDE	4.46	4.48	4.50	7542	0.016935
o,p-DDD	4.52	4.54	4.56	4801	-0.156447
o,p-DDT	4.70	4.72	4.74	8149	-0.139532
4,4'-DDD	4.75	4.78	4.79	2047	-0.079976
Endosulfan II	4.83	4.86	4.86	655	-0.086267
Endrin aldehyde	4.89	4.92	4.93	5913	-0.042822
4,4'-DDT	4.92	4.94	4.96	2902	0.009053
Endo. sulfate	5.04	5.05	5.07	1009	-0.074992
Methoxychlor	5.14	5.16	5.18	2545	0.014931
Mirex	5.53	5.54	5.57	18522	-0.500042
DCB	6.05	6.08	6.11	2321770	11.206130

Summary Report

Compound Name	Column	Amount Found	LOQ	DL	Qualifiers	%RPD	Comments
<input checked="" type="checkbox"/> TCX	A	8.371908	1	0.5		2.49	
<input checked="" type="checkbox"/> HCB			<0.83	<0.21			
<input checked="" type="checkbox"/> alpha-BHC			<0.83	<0.17			
<input checked="" type="checkbox"/> gamma-BHC			<0.83	<0.21			
<input checked="" type="checkbox"/> beta-BHC	B	-0.055688	<1	<0.44		2131.77	** DI LMAC
<input checked="" type="checkbox"/> Heptachlor			<0.83	<0.31			
<input checked="" type="checkbox"/> delta-BHC	A	0.011039	<1	<0.45		52.44	** LMAC
<input checked="" type="checkbox"/> Aldrin	B	0.006843	<0.83	<0.17		59.67	** LMAC
<input type="checkbox"/> Telodrin	A	-0.040510	<1.2			349.63	**
<input checked="" type="checkbox"/> Hept. epoxide	B	0.045948	<0.83	<0.17		108.99	** LMAC
<input checked="" type="checkbox"/> o,p-DDE	A	-0.138224	<1.7	<0.33		507.81	** D2 LMAC
<input checked="" type="checkbox"/> g. Chlordane	B	-0.009822	<0.83	<0.25		545.17	** DI LMAC
<input checked="" type="checkbox"/> a. Chlordane	B	-0.055933	<0.83	<0.17		744.84	**
<input checked="" type="checkbox"/> Endosulfan I	B	-0.053651	<0.83	<0.22		249509.48	**
<input checked="" type="checkbox"/> 4,4'-DDE	A	0.003460	<1.7	<0.33		132.14	** DI LMAC

%RPD = High - Low Amount divided by the Average times 100

** %Difference > 40, lower amount found reported

* Recovery outside QC Limits

Higher Amount Found unless RPD > 40

Eurofins Lancaster Laboratories-Single Component Data Summary

Sample Name: BLANKA 11/2/18 CFG PBLK38305 ID: AC **Batchnumber:** 183050038A
Sample Amount: 30 g Total Volume: 10 ml Analyst: 2306 SDG: State:
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 03:19:03
 Instrument : CP35--24952A
 Result file : 35PEST18271026.075.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Analysis Report (B)

Injected on : Nov 14, 2018 03:19:03
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.075.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDDB.MET

Summary Report

Compound Name	Column	Amount Found	LOQ	DL	Qualifiers	%RPD	Comments
<input checked="" type="checkbox"/> Dieldrin			<1.7	<0.33			
<input checked="" type="checkbox"/> o,p-DDD			<1.7	<0.33			
<input checked="" type="checkbox"/> Endrin			<1.7	<0.68			
<input checked="" type="checkbox"/> o,p-DDT			<1.7	<0.33			
<input checked="" type="checkbox"/> 4,4'-DDD			<1.7	<0.33			
<input checked="" type="checkbox"/> Endosulfan II			<2.3	<1.1			
<input checked="" type="checkbox"/> 4,4'-DDT	B	0.009053	<1.7	<0.79		137.01	** LMDL
<input checked="" type="checkbox"/> Endrin aldehyde			<1.7	<0.33			
<input checked="" type="checkbox"/> Endo. sulfate			<1.7	<0.33			
<input checked="" type="checkbox"/> Methoxychlor	B	0.014931	<6.7	<1.8		193.80	** LMDL
<input checked="" type="checkbox"/> Endrin ketone			<2	<0.6			
<input checked="" type="checkbox"/> Mirex			<1.7	<0.35			
<input checked="" type="checkbox"/> DCB	B	11.206130	1	0.5		5.24	

Units: ug/kg


 Valerie L. Tomayko
 Principal Specialist

Reviewed by: 055 15227
 Date: 11/19/18

Verified by: _____
 Date: NOV 19 2018

%RPD = High - Low Amount divided by the Average times 100

Higher Amount Found unless RPD > 40

** %Difference > 40, lower amount found reported

* Recovery outside QC Limits

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 11/2/18 CFG **PBLK38305 ID:** AC **Batchnumber:** 183050038A
Sample Amount: 30 g **Total Volume:** 10 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 03:19:03
 Instrument : CP35--24952A
 Result file : 35PEST18271026.075.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : 83% (26-145) Conc.: 8.371908
 %SSR(DCB) : 107% (39-152) Conc.: 10.63383

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
					6	76.46	
+ 2.17	2.18	2.23	16678.23	2.118282			1
2.17	2.21	2.23	7674.406	0.974717			1
2.45	2.47	2.51	12888.19	1.090661			2
2.64	2.68	2.70	20314.64	2.925371			3
2.83	2.87	2.89	4338.334	0.205184			4
2.91	2.93	2.97	7932.911	0.645791			5
+ 2.91	2.96	2.97	5890.32	0.479511			5
3.03	3.04	3.09	13876.4	1.580103			6
+ 3.03	3.09	3.09	6427.552	0.731904			6

Height Summation: 67024.881
Amount Avg CF: 1.236971 Linear:

Aroclor-1221							
					3	141.19	
2.04	2.04	2.08	52735.44	11.041169			1
+ 2.04	2.08	2.08	23367.61	4.892454			1
2.12	2.15	2.10	2599.56	0.792247			2
+ 2.18	2.18	2.22	16678.23	1.650566			3
2.18	2.21	2.22	7674.406	0.7595			3

Height Summation: 63009.406
Amount Avg CF: 4.197639 Linear:

Aroclor-1248							
					6	118.??	
+ 3.08	3.09	3.14	6427.552	0.57257			1
+ 3.08	3.10	3.14	5840.772	0.520299			1
3.08	3.11	3.14	5609.358	0.499685			1
+ 3.08	3.13	3.14	24849.02	2.213565			1
* 3.33	3.34	3.39	4769.088	0.937346			3
* 3.30	3.34	3.36	4769.088	0.319259			2
+ 3.33	3.39	3.39	6103.59	1.199637			3
+ 3.57	3.58	3.63	85386.61	5.1082			4
* 3.57	3.61	3.63	52574.69	3.145248			4
+* 3.60	3.61	3.66	52574.69	2.879876			5
3.60	3.65	3.66	6908.413	0.378421			5
+ 4.00	4.01	4.06	3244.605	0.31483			6
4.00	4.03	4.06	3463.192	0.33604			6
+ 4.00	4.06	4.06	3807.541	0.369453			6

Height Summation: 78093.829
Amount Avg CF: 0.936 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 03:19:03
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.075.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : 81% (26-145) Conc.: 8.166291
 %SSR(DCB) : 113% (39-152) Conc.: 11.20613

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
					6	71.82	
2.73	2.76	2.79	1119.055	0.156065			1
3.05	3.06	3.11	21350.48	2.472795			2
3.23	3.26	3.29	9602.473	1.489095			3
+ 3.23	3.28	3.29	14154.85	2.195051			3
+ 3.52	3.52	3.58	27456.25	1.506789			4
* 3.55	3.56	3.61	9189.795	0.831016			5
* 3.52	3.56	3.58	9189.795	0.504332			4
+ 3.64	3.64	3.70	20731.23	2.372746			6
3.64	3.65	3.70	14398.47	1.647944			6
+ 3.64	3.69	3.70	11902.26	1.362246			6

Height Summation: 64850.068
Amount Avg CF: 1.183541 Linear:

Aroclor-1221							
					3	98.09	
2.60	2.61	2.64	26844.03	9.999229			1
2.66	2.68	2.70	54653.8	19.510147			2
2.74	2.76	2.78	1119.055	0.130754			3

Height Summation: 82616.885
Amount Avg CF: 9.882043 Linear:

Aroclor-1248							
					6	112.34	
3.72	3.75	3.78	15138.72	1.464924			1
+* 3.72	3.77	3.78	25990.59	2.515024			1
* 3.75	3.77	3.81	25990.59	2.679685			2
3.86	3.90	3.92	66349.11	5.463699			3
4.16	4.20	4.22	4507.093	0.304029			4
+ 4.16	4.21	4.22	8373.406	0.564835			4
+ 4.28	4.29	4.34	3982.585	0.356734			5
4.28	4.31	4.34	2781.042	0.249108			5
+ 4.51	4.52	4.57	12069.21	1.54635			6
4.51	4.54	4.57	4800.515	0.615059			6

Height Summation: 119567.07
Amount Avg CF: 1.796084 Linear:

Aroclor-1254							
					6	178.34	
4.14	4.15	4.20	48704.18	3.316868			1
+ 4.28	4.29	4.34	3982.585	0.204687			2
4.28	4.31	4.34	2781.042	0.142933			2
+ 4.51	4.52	4.57	12069.21	0.491503			3
4.51	4.54	4.57	4800.515	0.195495			3
4.69	4.72	4.75	8148.927	0.42986			4
+ 4.69	4.74	4.75	4594.877	0.242382			4
4.83	4.86	4.89	655.2679	0.05433			5
+ 4.83	4.89	4.89	15225.49	1.262387			5
+ 4.91	4.92	4.97	5913.201	0.337239			6
4.91	4.94	4.97	2902.095	0.165511			6
+ 4.91	4.97	4.97	2293.42	0.130797			6

Height Summation: 67992.0269
Amount Avg CF: 0.7175 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 11/2/18 CFG PBLK38305 ID: AC **Batchnumber: 183050038A**
Sample Amount: 30 g Total Volume: 10 ml Analyst: 2306 SDG: State:
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 03:19:03
 Instrument : CP35--24952A
 Result file : 35PEST18271026.075.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
3.60	3.61	3.66	52574.69	2.868198	6	112.42	1
+ 3.60	3.65	3.66	6908.413	0.376887			1
+ 3.70	3.70	3.76	116163.7	5.290728			2
3.70	3.73	3.76	7187.798	0.327372			2
+ 3.94	3.96	4.00	1964.243	0.111069			3
3.94	3.97	4.00	569.6429	0.032211			3
4.14	4.18	4.20	17936.26	0.794833			4
4.35	4.38	4.41	25099.5	1.673777			5
4.42	4.45	4.48	4158.95	0.175652			6

Height Summation: **107526.8409**
 Amount Avg CF: **0.978674** Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
+ 4.10	4.12	4.16	14608.55	0.586991	6	114.30	1
4.10	4.14	4.16	18035.85	0.724705			1
+ 4.21	4.21	4.27	11298.82	0.380596			2
4.21	4.26	4.27	10782.04	0.363189			2
4.42	4.45	4.48	4158.95	0.14223			3
+ 4.60	4.61	4.66	1064.78	0.050799			4
4.60	4.63	4.66	1036.582	0.049454			4
+ 4.60	4.64	4.66	411.687	0.019641			4
4.72	4.75	4.78	3968.068	0.084528			5
+ 4.72	4.77	4.78	2030.917	0.043262			5
4.72	4.70	4.70	4175.579	0.000940			5
+ 4.91	4.92	4.97	2746.399	0.077397			6
4.91	4.93	4.97	1507.026	0.04247			6
+ 4.91	4.96	4.97	2930.856	0.082595			6

Height Summation: **39488.516**
 Amount Avg CF: **0.234429** Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
+ 2.64	2.64	2.68	8036.57	0.539567	5	118.61	1
2.64	2.68	2.68	20314.64	1.363904			1
3.57	3.58	3.61	85386.61	6.516679			2
3.72	3.73	3.76	7187.798	0.137075			3
+ 3.79	3.79	3.83	7047.418	0.165481			4
3.79	3.81	3.83	54357.29	1.276367			4
4.40	4.41	4.44	25861.76	1.293401			5

Height Summation: **193108.098**
 Amount Avg CF: **2.117485** Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
4.35	4.38	4.39	25099.5	3.268471	5	58.27	1
4.40	4.41	4.44	25861.76	3.638557			2
+ 4.57	4.58	4.61	818.4669	0.118218			3
4.57	4.59	4.61	20672	2.98582			3
4.78	4.81	4.82	2654.678	0.525684			4
+ 4.85	4.86	4.89	4096.877	0.449949			5
4.85	4.87	4.89	11510.2	1.264136			5

Height Summation: **85798.138**
 Amount Avg CF: **2.336534** Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 03:19:03
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.075.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
4.61	4.66	4.67	14210.7	0.81658	6	135.26	1
+ 4.76	4.77	4.82	945.5417	0.043283			2
4.76	4.78	4.82	2047.155	0.09371			2
+ 4.76	4.81	4.82	21279.89	0.974105			2
+ 4.91	4.92	4.97	5913.201	0.251712			3
4.91	4.94	4.97	2902.095	0.123536			3
+ 4.91	4.97	4.97	2293.42	0.097626			3
+ 5.08	5.09	5.14	2604.231	0.221592			4
5.08	5.12	5.14	1450.08	0.123386			4
+ 5.08	5.14	5.14	3829.754	0.325871			4
5.23	5.25	5.29	1170.683	0.037474			5
5.38	5.40	5.44	2132.069	0.1138			6
+ 5.38	5.42	5.44	4671.725	0.249355			6
+ 5.38	5.44	5.44	5322.255	0.284077			6

Height Summation: **23912.782**
 Amount Avg CF: **0.218081** Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
3.42	3.42	3.46	12115.06	0.905957	5	82.34	1
4.17	4.20	4.21	4507.093	0.352538			2
4.35	4.36	4.39	11675.15	0.230772			3
4.38	4.40	4.41	3217.206	0.095909			4
4.87	4.89	4.91	15225.49	1.1121			5

Height Summation: **46739.999**
 Amount Avg CF: **0.539455** Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
4.70	4.72	4.74	8148.927	1.674502	5	54.28	1
+ 4.70	4.74	4.74	4594.877	0.94419			1
4.86	4.89	4.90	15225.49	2.706274			2
4.99	5.01	5.03	5006.112	0.841375			3
5.21	5.21	5.25	3022.38	0.74945			4
5.27	5.30	5.31	8370.588	1.320219			5

Height Summation: **39773.497**
 Amount Avg CF: **1.458364** Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 11/2/18 CFG PBLK38305 ID: AC **Batchnumber: 183050038A**
Sample Amount: 30 g Total Volume: 10 ml Analyst: 2306 SDG: State:
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 03:19:03
 Instrument : CP35--24952A
 Result file : 35PEST18271026.075.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Analysis Report (B)

Injected on : Nov 14, 2018 03:19:03
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.075.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDB.MET

Summary Report

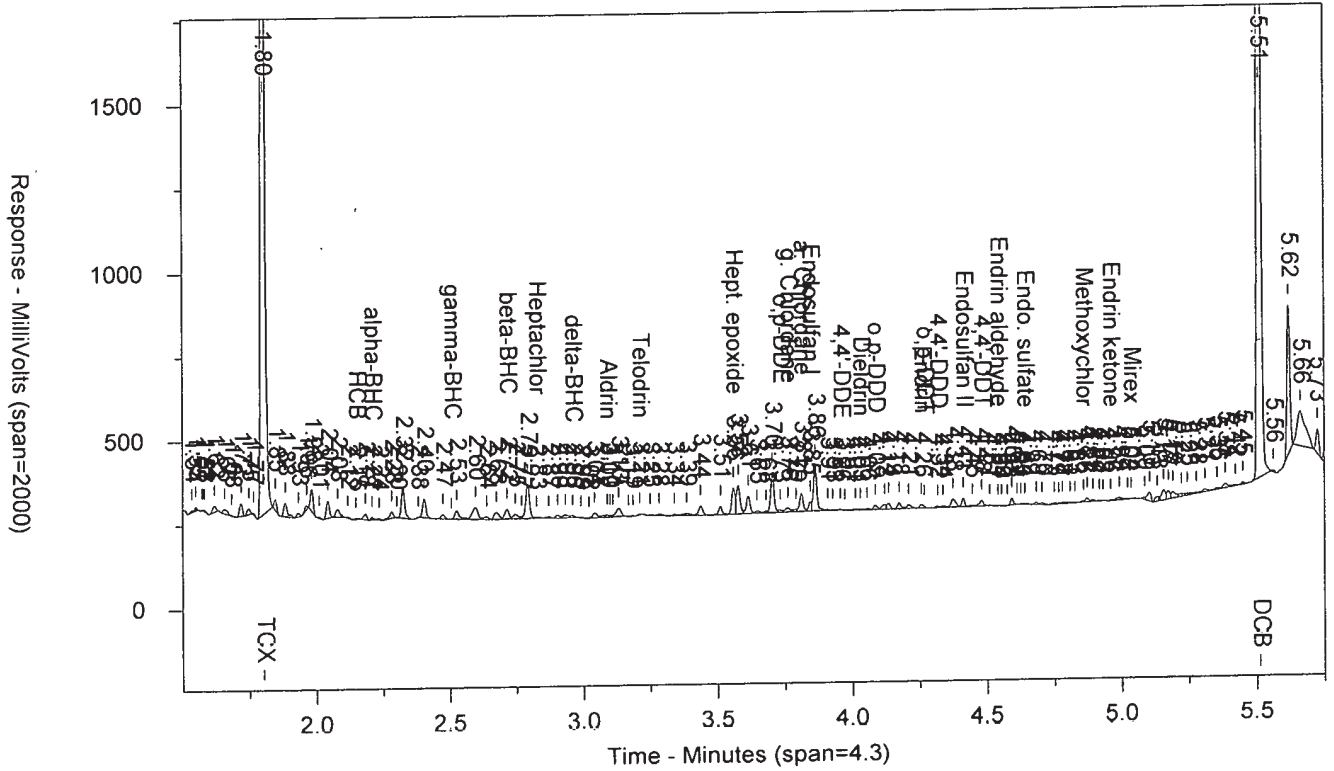
Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0	0		4.41	4	40	
Aroclor-1221			0	0		** 80.75	3	5	
Aroclor-1248			0	0		** 62.96	4	30	
Aroclor-1254			0	0		30.80	4	40	
Aroclor-1260			0	0		7.23	4	40	
Chlordane			17	4		** 118.79	4	40	
Toxaphene			33	14		** 46.28	4	40	

Units: ug/kg

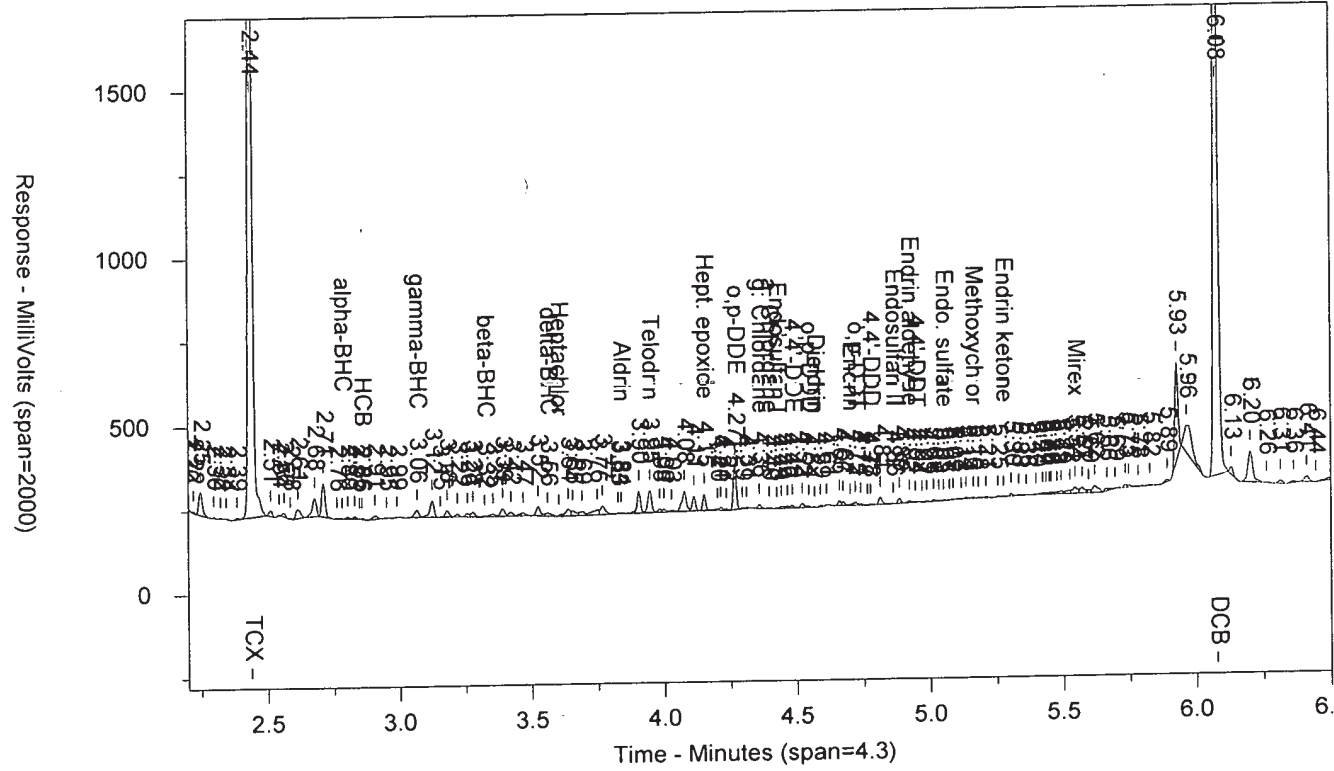
BLANKA 11/2/18 CFG ACPBLK38305 BLK 183050038A 14587

SW-846 8081

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026.075.RAW



\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.075.RAW



Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: BLANKA 11/2/18 CFG ACPBLK38305 BLK 183050038A 14587 SW-846 8081B
 Injected On: 11/14/2018 3:19:03 AM Sample Weight: 30
 Instrument ID: CP35-24952 Dilution Factor: 10
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

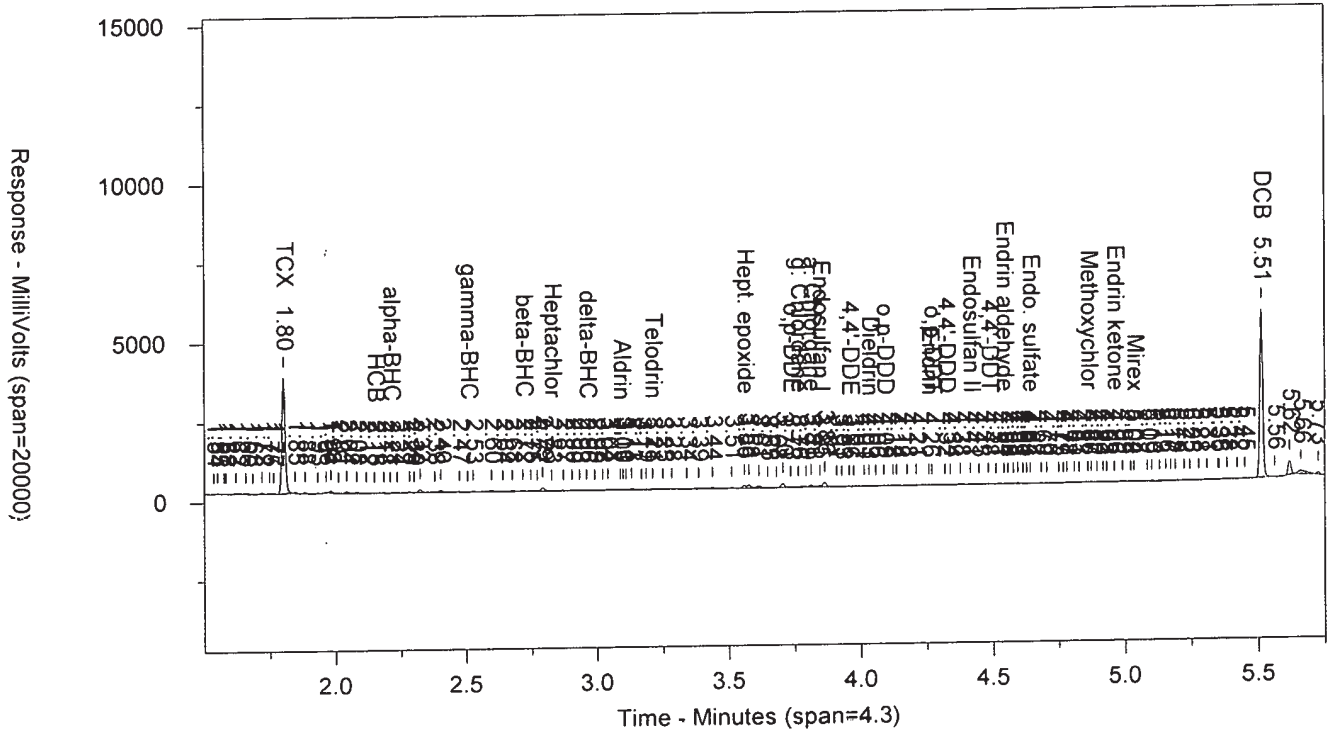
RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.802	3660671	8.372	TCX	2.438	2993892	8.166	TCX
2.148	2600	-.045	HCB	2.857	1435	-.061	HCB
2.209	7674	.012	alpha-BHC		0		alpha-BHC
2.715	29682	.067	beta-BHC	3.323	4099	-.056	beta-BHC
2.825	3894	.009	Heptachlor		0		Heptachlor
2.96	5890	.011	delta-BHC	3.56	9190	.019	delta-BHC
	0		gamma-BHC	3.065	21350	.05	gamma-BHC
3.089	6428	.013	Aldrin	3.837	3123	.007	Aldrin
3.21	2790	-.041	Telodrin	3.946	67320	.149	Telodrin
3.559	78214	.156	Hept. epoxide	4.151	48704	.046	Hept. epoxide
3.734	7188	-.138	o,p-DDE	4.266	131183	.318	o,p-DDE
3.763	11798	.021	g. Chlordane	4.359	11675	-.01	g. Chlordane
3.813	54357	.097	a. Chlordane	4.396	3217	-.056	a. Chlordane
3.845	28121	.054	Endosulfan I	4.425	1852	-.054	Endosulfan I
3.956	1964	.003	4,4'-DDE	4.483	7542	.017	4,4'-DDE
4.031	3463	.006	Dieldrin		0		Dieldrin
4.087	13661	-.085	o,p-DDD	4.544	4801	-.156	o,p-DDD
4.257	10782	.021	Endrin		0		Endrin
4.318	5324	-.082	4,4'-DDD	4.776	2047	-.08	4,4'-DDD
4.413	25862	.049	Endosulfan II	4.862	655	-.086	Endosulfan II
4.481	17383	.048	4,4'-DDT	4.944	2902	.009	4,4'-DDT
4.542	1002	.002	Endrin aldehyde	4.922	5913	-.043	Endrin aldehyde
4.642	412	.029	Endo. sulfate	5.05	1009	-.075	Endo. sulfate
	0		o,p-DDT	4.719	8149	-.14	o,p-DDT
4.859	4097	.948	Methoxychlor	5.164	2545	.015	Methoxychlor
4.96	2931	-.057	Endrin ketone		0		Endrin ketone
5.036	1146	.003	Mirex	5.544	18522	-.5	Mirex
5.512	5338179	10.634	DCB	6.076	2321770	11.206	DCB

Files:

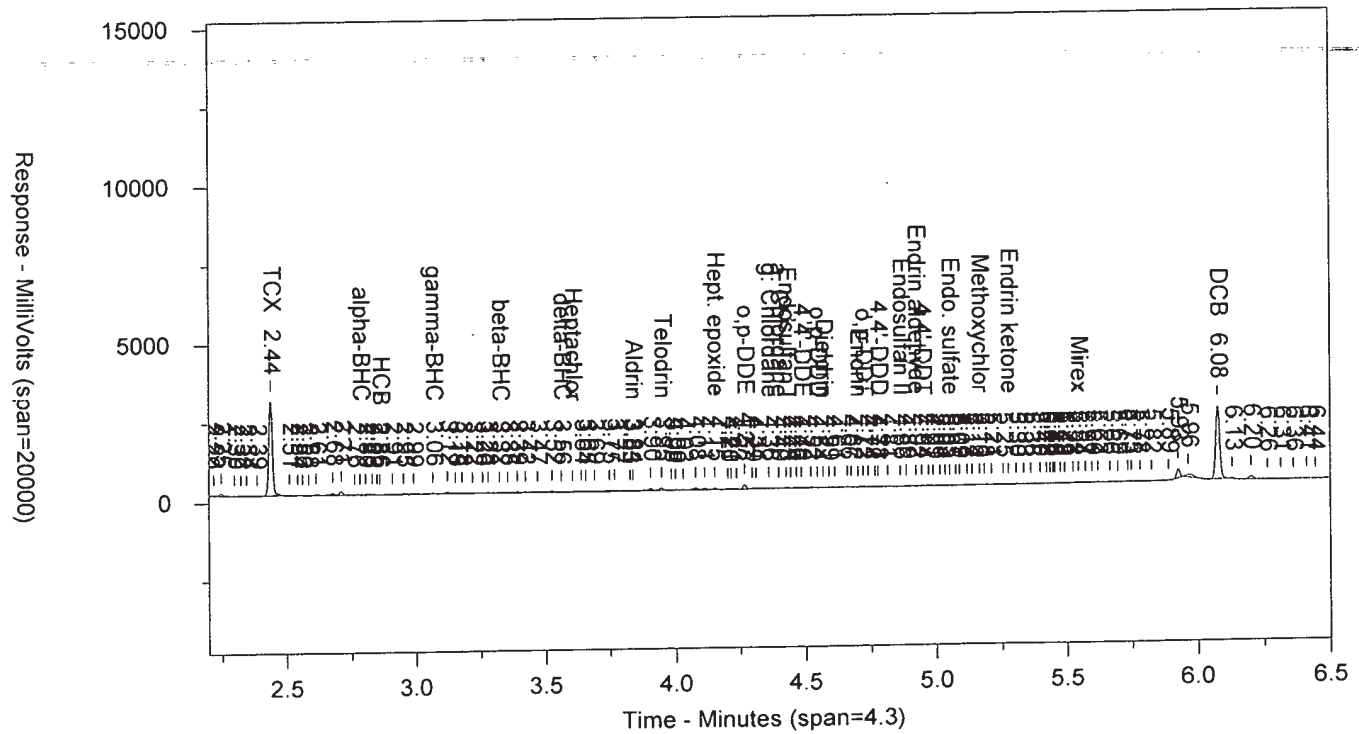
Area File: 35pest18271026.075.RAW
 Area File: 35pest18271026B.075.RAW
 Method A: 35PESTD.MET
 Method B: 35PESTDDB.MET
 Calibration File A: 35pest1827109.CAL
 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 11/14/2018 3:26:24 AM
 File Reported On: 11/14/2018 at 8:53:54 AM

BLANKA 11/2/18 CFG ACPBLK38305 BLK 183050038A 14587 SW-846 8C

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026.075.RAW



\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.075.RAW



Data Summary

Sample Name: 9874411 **MS CFG** **T1302MS MS** **Sample ID:AC** **Batchnumber: 183050038A**
Sample Amount: 30.1 g **Total Volume:** 10 ml **Analyst:** 15222 **SDG:** TID13 **State:** NY
Analyses: 14587

Analysis Report (A)

Injected on Nov 14, 2018 04:53:37
Instrument 24952A
Result file 35PEST18271026.084.RAW
Calibration file 35PEST1827109
Method file 35PESTD

%SSR(TCX) 86% (42 - 129) **Conc:** 8.605951
%SSR(DCB) 98% (39 - 152) **Conc:** 9.735836

Analysis Report (B)

Injected on Nov 14, 2018 04:53:37
Instrument 24952B
Result file 35PEST18271026B.084.RAW
Calibration file 35PEST1827109B
Method file 35PESTD

%SSR(TCX) 64% (42 - 129) **Conc:** 6.391414
%SSR(DCB) 98% (39 - 152) **Conc:** 9.707406

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	1.79	1.81	1.83	3775550	8.605951	Tetrachloro-m-xylene	2.42	2.44	2.46	2351005	6.391414
HCB	2.14	2.17	2.18	335368	0.672162	Alpha BHC	2.76	2.78	2.80	867235	1.7315
Alpha BHC	2.20	2.22	2.24	1514040	2.274576	HCB	2.85	2.85	2.89	377778	0.923539
Gamma BHC - Lindane	2.49	2.51	2.53	1191453	2.111926	Gamma BHC - Lindane	3.06	3.08	3.10	437375	1.025577
Beta BHC	2.69	2.71	2.73	817103	3.379483	Beta BHC	3.31	3.33	3.35	428126	2.135858
Heptachlor	2.79	2.80	2.83	38581090 E	85.98077	Delta BHC	3.53	3.55	3.57	1353309	2.771811
Delta BHC	2.94	2.96	2.98	1180995	2.205918	Heptachlor	3.58	3.60	3.62	774182	1.823918
Aldrin	3.07	3.09	3.11	1115882	2.190986	Aldrin	3.83	3.85	3.87	881787	1.925528
Telodrin	3.18	3.20	3.22	1498140	4.117469	Telodrin	3.92	3.94	3.96	7877933 E	25.94396
Heptachlor Epoxide	3.54	3.56	3.58	1213059	2.411504	Heptachlor Epoxide	4.13	4.15	4.17	1295082	3.342207
o,p-DDE	3.73	3.71	3.77	136133	0.228873	o,p-DDE	4.24	4.26	4.28	281327	0.886839
Gamma Chlordane	3.73	3.74	3.77	1679402	3.008503	Gamma Chlordane	4.34	4.36	4.38	959072	2.294846
Alpha Chlordane	3.79	3.81	3.83	1414658	2.515978	Alpha Chlordane	4.37	4.39	4.41	1306675	3.21713
Endosulfan I	3.82	3.85	3.86	3512562 E	6.689809	Endosulfan I	4.39	4.41	4.43	846594	2.179121
p,p-DDE	3.94	3.96	3.98	3147579	5.525852	p,p-DDE	4.46	4.47	4.50	1913153	4.281505
Dieldrin	4.02	4.04	4.06	3208152	5.567101	o,p-DDD	4.52	4.53	4.56	126658	0.364347
o,p-DDD	4.07	4.09	4.11	473395	1.361575	Dieldrin	4.55	4.56	4.59	2053313	4.779932
Endrin	4.22	4.24	4.26	3080798	6.006112	Endrin	4.69	4.70	4.71	1851644	5.197152
o,p-DDT	4.25	4.27	4.29	126100	0.272881	o,p-DDT	4.70	4.72	4.74	97288	0.209599
p,p-DDD	4.30	4.32	4.34	3158349	6.211973	p,p-DDD	4.75	4.77	4.79	2054567	5.326817
Endosulfan II	4.39	4.40	4.43	2977723	5.632214	Endosulfan II	4.83	4.84	4.86	1937588	5.19084
p,p-DDT	4.47	4.49	4.51	2740787	7.612496	Endrin Aldehyde	4.89	4.90	4.93	1409287	4.647751
Endrin Aldehyde	4.52	4.54	4.56	2176232	4.850868	p,p-DDT	4.92	4.94	4.96	1888567	5.872036
Endosulfan Sulfate	4.63	4.65	4.67	2814412	6.157377	Endosulfan Sulfate	5.04	5.05	5.07	1990560	5.672774
Methoxychlor	4.84	4.86	4.88	7968394	41.73413	Methoxychlor	5.14	5.16	5.18	5243998	30.66731
Endrin Ketone	4.95	4.97	4.99	3482490	6.221743	Endrin Ketone	5.26	5.27	5.30	2191596	5.392282
Mirex	5.03	5.04	5.06	392641	1.000507	Mirex	5.53	5.55	5.57	23216	0
Decachlorobiphenyl	5.49	5.51	5.55	4900546	9.735836	Decachlorobiphenyl	6.05	6.07	6.11	2021608	9.707406

Single Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	Comments
<input type="checkbox"/> Tetrachloro-m-xylene	A	8.605951	0.4983	0.9967	0.9967		29.53	
<input type="checkbox"/> Tetrachloro-m-xylene-D1	A	8.605951	0.4983	0.9967	0.9967			
<input type="checkbox"/> Tetrachloro-m-xylene-D2	B	6.391414	0.4983	0.9967	0.9967			
<input type="checkbox"/> HCB	B	0.923539	0.2093	0.4983	0.8272		31.51	
<input type="checkbox"/> Alpha BHC	A	2.274576	0.1694	0.598	0.8272		27.11	
<input type="checkbox"/> Gamma BHC - Lindane	B	1.025577	0.2093	0.598	0.8272	P	69.25	
<input type="checkbox"/> Beta BHC	B	2.135858	0.4385	0.897	0.9967	P	45.10	
<input type="checkbox"/> Heptachlor	B	1.823918	0.309	0.6179	0.8272	P	191.69	
<input type="checkbox"/> Delta BHC	B	2.771811	0.4485	0.897	0.9967		22.74	
<input type="checkbox"/> Aldrin	A	2.190986	0.1694	0.598	0.8272		12.90	
<input type="checkbox"/> Telodrin	A	4.117469			1.196	P	145.21	
<input type="checkbox"/> Heptachlor Epoxide	B	3.342207	0.1694	0.598	0.8272		32.35	
<input type="checkbox"/> o,p-DDE			<0.3289	<0.897	<1.6944			
<input type="checkbox"/> Gamma Chlordane	A	3.008503	0.2492	0.598	0.8272		26.91	

Reviewed and digitally signed by Dylan Schreiner on 11/19/2018 10:40:53

Data Summary

Sample Name: **9874411** MS CFG T1302MS MS Sample ID: AC Batchnumber: 183050038A
 Sample Amount: 30.1 g Total Volume: 10 ml Analyst: 15222 SDG: TID13 State: NY
 Analyses: 14587

Analysis Report (A)

Injected on Nov 14, 2018 04:53:37
 Instrument 24952A
 Result file 35PEST18271026.084.RAW
 Calibration file 35PEST1827109
 Method file 35PESTD

Analysis Report (B)

Injected on Nov 14, 2018 04:53:37
 Instrument 24952B
 Result file 35PEST18271026B.084.RAW
 Calibration file 35PEST1827109B
 Method file 35PESTDB

Single Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	Comments
<input type="checkbox"/> Alpha Chlordane	B	3.21713	0.1694	0.598	0.8272		24.46	
<input type="checkbox"/> Endosulfan I	B	2.179121	0.2193	0.598	0.8272	P	101.72	
<input type="checkbox"/> p,p-DDE	A	5.525852	0.3289	1.196	1.6944		25.38	
<input type="checkbox"/> Dieldrin	A	5.567101	0.3289	1.196	1.6944		15.22	
<input type="checkbox"/> o,p-DDD	B	0.364347	0.3289	<0.897	<1.6944	JP	115.56	
<input type="checkbox"/> Endrin	A	6.006112	0.6777	1.3953	1.6944		14.44	
<input type="checkbox"/> o,p-DDT			<0.3289	<0.897	<1.6944			
<input type="checkbox"/> p,p-DDD	A	6.211973	0.3289	1.196	1.6944		15.34	
<input type="checkbox"/> Endosulfan II	A	5.632214	1.0963	2.1927	2.2924		8.16	
<input type="checkbox"/> p,p-DDT	A	7.612496	0.7874	1.5947	1.6944		25.81	
<input type="checkbox"/> Endrin Aldehyde	A	4.850868	0.3289	1.196	1.6944		4.28	
<input type="checkbox"/> Endosulfan Sulfate	A	6.157377	0.3289	1.196	1.6944		8.19	
<input type="checkbox"/> Methoxychlor	B	30.66731	1.794	6.4784	6.6777		30.57	
<input type="checkbox"/> Endrin Ketone	A	6.221743	0.598	1.794	1.9934		14.28	
<input type="checkbox"/> Mirex			<0.3488	<0.6977	<1.6944			
<input type="checkbox"/> Decachlorobiphenyl	A	9.735836	0.4983	0.9967	0.9967		0.29	
<input type="checkbox"/> Decachlorobiphenyl-D1	A	9.735836	0.4983	0.9967	0.9967			
<input type="checkbox"/> Decachlorobiphenyl-D2	B	9.707406	0.4983	0.9967	0.9967			

Multiple Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	Hits	Comments
<input type="checkbox"/> Chlordane			<3.9867	<7.9734	<16.9435			4	
<input type="checkbox"/> Toxaphene			<13.9535	<27.907	<32.8904			4	

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Valerio L. Tomayko
 Valerio L. Tomayko
 Principal Specialist

NOV 19 2018

Reviewed and digitally signed by Dylan Schreiner on 11/19/2018 10:40:53

Eurofins Lancaster Laboratories-Single Component Data Summary

Sample Name: 9874411 MS CFG T1302MS ID: AC **Batchnumber:** 183050038A
Sample Amount: 30.1 g Total Volume: 10 ml Analyst: 2306 SDG: TID13 State: NY
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 04:53:37
 Instrument : CP35--24952A
 Result file : 35PEST18271026.084.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : 86% (42-129) Conc.: 8.605951
 %SSR(DCB) : 98% (89-152) Conc.: 9.735836

Peak name	Min	R.T.	Max	Height	Amount
TCX	1.79	1.81	1.83	3775550	8.605951
HCB	2.14	2.17	2.18	335368	0.672162
alpha-BHC	2.20	2.22	2.24	1514040	2.274576
gamma-BHC	2.49	2.51	2.53	1191453	2.111926
beta-BHC	2.69	2.71	2.73	817103	3.379483
Heptachlor	2.79	2.80	2.83	38581090 E	85.980770
delta-BHC	2.94	2.96	2.98	1180995	2.205918
Aldrin	3.07	3.09	3.11	1115882	2.190986
Telodrin	3.18	3.20	3.22	1498140	4.117469
Hept. epoxide	3.54	3.56	3.58	1213059	2.411504
o,p-DDE	3.73	3.71	3.77	136133	0.228873
g. Chlordane	3.73	3.74	3.77	1679402	3.008503
a. Chlordane	3.79	3.81	3.83	1414658	2.515978
Endosulfan I	3.82	3.85	3.86	3512562 E	6.689889
4,4'-DDE	3.91	3.96	3.98	3147679	5.525852
Dieldrin	4.02	4.04	4.06	3208152	5.567101
o,p-DDD	4.07	4.09	4.11	473395	1.361575
Endrin	4.22	4.24	4.26	3080798	6.006112
o,p-DDT	4.25	4.27	4.29	126100	0.272881
4,4'-DDD	4.30	4.32	4.34	3158349	6.211973
Endosulfan II	4.39	4.40	4.43	2977723	5.632214
4,4'-DDT	4.47	4.49	4.51	2740787	7.612496
Endrin aldehyde	4.52	4.54	4.56	2176232	4.850868
Endo. sulfate	4.63	4.65	4.67	2814412	6.157377
Methoxychlor	4.84	4.86	4.88	7968394	41.734130
Endrin ketone	4.95	4.97	4.99	3482490	6.221743
Mirex	5.03	5.04	5.06	392641	1.000507
DCB	5.49	5.51	5.55	4900546	9.735836

Analysis Report (B)

Injected on : Nov 14, 2018 04:53:37
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.084.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDB.MET
 %SSR(TCX) : 64% (42-129) Conc.: 6.391414
 %SSR(DCB) : 98% (39-152) Conc.: 9.707406

Peak name	Min	R.T.	Max	Height	Amount
TCX	2.42	2.44	2.46	2351005	6.391414
alpha-BHC	2.76	2.78	2.80	867235	1.731500
HCB	2.85	2.85	2.89	377778	0.923539
gamma-BHC	3.06	3.08	3.10	437375	1.025577
beta-BHC	3.31	3.33	3.35	428126	2.135858
delta-BHC	3.53	3.55	3.57	1353309	2.771811
Heptachlor	3.58	3.60	3.62	774182	1.823918
Aldrin	3.83	3.85	3.87	881787	1.925528
Telodrin	3.92	3.94	3.96	7877933 E	25.943960
Hept. epoxide	4.13	4.15	4.17	1295082	3.342207
o,p-DDE	4.24	4.26	4.28	281327	0.886839
g. Chlordane	4.34	4.36	4.38	959072	2.294846
a. Chlordane	4.37	4.39	4.41	1306675	3.217130
Endosulfan I	4.39	4.41	4.43	846594	2.179121
4,4'-DDE	4.46	4.47	4.50	1913153	4.281505
o,p-DDD	4.52	4.53	4.56	126658	0.364347
Dieldrin	4.55	4.56	4.59	2053313	4.779932
Endrin	4.69	4.70	4.71	1851644	5.197152
o,p-DDT	4.70	4.72	4.74	97288	0.209599
4,4'-DDD	4.75	4.77	4.79	2054567	5.326817
Endosulfan II	4.83	4.84	4.86	1037588	5.100840
Endrin aldehyde	4.89	4.90	4.93	1409287	4.647751
4,4'-DDT	4.92	4.94	4.96	1888667	5.872036
Endo. sulfate	5.04	5.05	5.07	1990560	5.677774
Methoxychlor	5.14	5.16	5.18	5243998	30.667310
Endrin ketone	5.26	5.27	5.30	2191596	5.392282
Mirex	5.53	5.55	5.57	23216	-0.473287
DCB	6.05	6.07	6.11	2021608	9.707406

Summary Report

Compound Name	Column	Amount Found	LOQ	DL	Qualifiers	%RPD	Comments
<input type="checkbox"/> TCX	A	8.605951	0.9967	0.4983		29.53	
<input type="checkbox"/> HCB	B	0.923539	0.8272	0.2093		31.51	
<input checked="" type="checkbox"/> alpha-BHC	A	2.274576	0.8272	0.1694		27.11	
<input checked="" type="checkbox"/> gamma-BHC	B	1.025577	0.8272	0.2093		69.25	**
<input checked="" type="checkbox"/> beta-BHC	B	2.135858	0.9967	0.4385		45.10	**
<input checked="" type="checkbox"/> Heptachlor	B	1.823918	0.8272	0.309		191.69	**
<input checked="" type="checkbox"/> delta-BHC	B	2.771811	0.9967	0.4485		22.74	
<input checked="" type="checkbox"/> Aldrin	A	2.190986	0.8272	0.1694		12.90	
<input type="checkbox"/> Telodrin	A	4.117469	1.196			145.21	**
<input checked="" type="checkbox"/> Hept. epoxide	B	3.342207	0.8272	0.1694		32.35	
<input type="checkbox"/> o,p-DDE	A	0.228873	<1.6944	<0.3289		117.95	**
<input checked="" type="checkbox"/> g. Chlordane	A	3.008503	0.8272	0.2492		26.91	
<input checked="" type="checkbox"/> a. Chlordane	B	3.217130	0.8272	0.1694		24.46	

%RPD = High - Low Amount divided by the Average times 100

** %Difference > 40, lower amount found reported

* Recovery outside QC Limits

Higher Amount Found unless RPD > 40

Eurofins Lancaster Laboratories-Single Component Data Summary

Sample Name: 9874411 MS CFG T1302MS ID: AC **Batchnumber:** 183050038A
Sample Amount: 30.1 g **Total Volume:** 10 ml **Analyst:** 2306 **SDG:** TID13 **State:** NY
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 04:53:37
 Instrument : CP35--24952A
 Result file : 35PEST18271026.084.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Analysis Report (B)

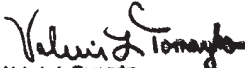
Injected on : Nov 14, 2018 04:53:37
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.084.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDDB.MET

Summary Report

Compound Name	Column	Amount Found	LOQ	DL	Qualifiers	%RPD	Comments
<input checked="" type="checkbox"/> Endosulfan I	B	2.179121	0.8272	0.2193		101.72	**
<input checked="" type="checkbox"/> 4,4'-DDE	A	5.525852	1.6944	0.3289		25.38	
<input checked="" type="checkbox"/> Dieldrin	A	5.567101	1.6944	0.3289		15.22	
<input type="checkbox"/> o,p-DDD	B	0.364347	<1.6944	0.3289	J	115.56	**
<input checked="" type="checkbox"/> Endrin	A	6.006112	1.6944	0.6777		14.44	
<input type="checkbox"/> o,p-DDT	A	0.272881	<1.6944	<0.3289		26.23	
<input checked="" type="checkbox"/> 4,4'-DDD	A	6.211973	1.6944	0.3289		15.34	
<input checked="" type="checkbox"/> Endosulfan II	A	5.632214	2.2924	1.0963		8.16	
<input checked="" type="checkbox"/> 4,4'-DDT	A	7.612496	1.6944	0.7874		25.01	
<input checked="" type="checkbox"/> Endrin aldehyde	A	4.850868	1.6944	0.3289		4.28	
<input checked="" type="checkbox"/> Endo. sulfate	A	6.157377	1.6944	0.3289		8.19	
<input checked="" type="checkbox"/> Methoxychlor	A	41.734130	6.6777	1.794		30.57	DI OOS ↑
<input checked="" type="checkbox"/> Endrin ketone	A	6.221743	1.9934	0.598		14.28	
<input type="checkbox"/> Mirex	B	-0.473287	<1.6944	<0.3488		559.08	**
<input type="checkbox"/> DCB	A	9.735836	0.9967	0.4983		0.29	

Units: ug/kg

Reviewed by: DJS 15222
 Date: 11/19/18

Verified by: 
Valerie L. Tomayko
Principal Specialist
 Date: NOV 19 2018

%RPD = High - Low Amount divided by the Average times 100
 ** %Difference > 40, lower amount found reported
 * Recovery outside QC Limits

Higher Amount Found unless RPD > 40

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9874411 MS CFG T1302MS ID: AC **Batchnumber:** 183050038A
Sample Amount: 30.1 g **Total Volume:** 10 ml **Analyst:** 2306 **SDG:** TID13 **State:** NY
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 04:53:37
 Instrument : CP35--24952A
 Result file : 35PEST18271026.084.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : 86% (42-129) Conc.: 8.605951
 %SSR(DCB) : 98% (39-152) Conc.: 9.735836

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
5	88.72						
+ 2.17	2.17	2.23	335368.4	42.453228	1		
E 2.17	2.22	2.23	1514040	191.65755	1		
+ 2.45	2.46	2.51	22427.16	1.891589	2		
2.45	2.48	2.51	131877.1	11.122998	2		
E+ 2.45	2.51	2.51	1191453	100.491517	2		
2.64	2.68	2.70	378308.4	54.296593	3		
2.83	2.85	2.89	881618	41.558107	4		
E 2.91	2.96	2.97	1180995	95.821315	5		

Height Summation: 4086838.5
 Amount Avg CF: 78.891313 Linear:

Aroclor-1221							
2	125.39						
+ 2.04	2.05	2.08	75054.5	15.661884	1		
2.04	2.06	2.08	105856.4	22.089423	1		
E 2.12	2.14	2.16	1210424	367.665572	2		

Height Summation: 1316280.4
 Amount Avg CF: 194.877498 Linear:

Aroclor-1248							
6	129.57						
E 3.08	3.09	3.14	1115882	99.073183	1		
E+ 3.08	3.14	3.14	2348858	208.542515	1		
+ 3.30	3.32	3.36	102912.8	6.866453	2		
+* 3.33	3.33	3.39	131461.1	25.752325	3		
* 3.30	3.33	3.36	131461.1	8.771226	2		
3.33	3.37	3.39	63554.22	12.449834	3		
E 3.57	3.59	3.63	8204986	489.22739	4		
+* 3.57	3.62	3.63	185914.4	11.085262	4		
* 3.60	3.62	3.66	185914.4	10.149973	5		
+ 3.60	3.65	3.66	120763.8	6.593084	5		
+ 4.00	4.02	4.06	132798.3	12.842867	6		
E 4.00	4.04	4.06	3208152	310.259011	6		

Height Summation: 12909949.72
 Amount Avg CF: 154.988436 Linear:

Aroclor-1254							
6	149.32						
3.60	3.62	3.66	185914.4	10.108814	1		
+ 3.60	3.65	3.66	120763.8	6.566349	1		
+ 3.70	3.71	3.76	136132.7	6.179627	2		
3.70	3.74	3.76	1679402	76.23501	2		
E 3.94	3.96	4.00	3147579	177.38994	3		
+ 3.94	3.99	4.00	256843.4	14.475073	3		
E+ 4.14	4.14	4.20	2104149	92.934139	4		
4.14	4.18	4.20	125662.4	5.550143	4		
+ 4.35	4.36	4.41	131705.3	8.753676	5		
4.35	4.38	4.41	107774.4	7.16313	5		
E+ 4.35	4.40	4.41	2977723	197.911714	5		
+ 4.42	4.43	4.48	94046.05	3.958815	6		
4.42	4.45	4.48	96298.78	4.053642	6		

Height Summation: 5342630.98
 Amount Avg CF: 46.750113 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 04:53:37
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.084.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : 64% (42-129) Conc.: 6.391414
 %SSR(DCB) : 98% (39-152) Conc.: 9.707406

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
6	85.99						
2.73	2.76	2.79	86549.76	12.030238	1		
E+ 2.73	2.78	2.79	867234.6	120.543818	1		
+ 3.05	3.06	3.11	276548.4	31.923193	2		
3.05	3.08	3.11	437374.9	50.4881	2		
E 3.23	3.28	3.29	737357.2	113.965122	3		
E 3.52	3.55	3.58	1353309	74.022345	4		
E* 3.55	3.58	3.61	1798277	162.074516	5		
E+* 3.52	3.58	3.58	1798277	98.360892	4		
E+ 3.55	3.60	3.61	774182.4	69.775256	5		
+ 3.64	3.64	3.70	74479.98	8.496118	6		
3.64	3.65	3.70	63737.66	7.270715	6		
+ 3.64	3.69	3.70	486471.1	55.492979	6		

Height Summation: 4476605.52
 Amount Avg CF: 69.975173 Linear:

Aroclor-1221							
2	140.97						
E 2.66	2.68	2.70	17819690	6342.034956	2		
2.74	2.76	2.78	86549.76	10.07914	3		

Aroclor-1248							
6	52.45						
3.72	3.73	3.78	255195	24.612345	1		
+* 3.75	3.76	3.81	290405.9	29.841996	2		
+* 3.72	3.76	3.78	290405.9	28.008269	1		
3.75	3.79	3.81	380663.8	39.116882	2		
+ 3.86	3.87	3.92	287177.9	23.569883	3		
3.86	3.90	3.92	370506.9	30.40904	3		
+ 4.16	4.19	4.22	195216.3	13.124716	4		
+ 4.16	4.21	4.22	135176.3	9.088127	4		
+ 4.16	4.22	4.22	138590.1	9.317642	4		
+ 4.28	4.28	4.34	210846	18.823463	5		
4.28	4.30	4.34	95359.28	8.513284	5		
+ 4.28	4.32	4.34	219598.2	19.604823	5		
+ 4.51	4.51	4.57	68648.84	8.766314	6		
4.51	4.53	4.57	126657.7	16.173924	6		
E+ 4.51	4.56	4.57	2053313	262.203785	6		

Height Summation: 1423598.98
 Amount Avg CF: 21.991695 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9874411 MS CFG T1302MS ID: AC **Batchnumber:** 183050038A
Sample Amount: 30.1 g **Total Volume:** 10 ml **Analyst:** 2306 **SDG:** TID13 **State:** NY
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 04:53:37
 Instrument : CP35--24952A
 Result file : 35PEST18271026.084.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
E 4.10	4.14	4.16	2104149	84.266685	6	145.82	1
E 4.21	4.24	4.27	3080798	103.43072			2
+ 4.21	4.27	4.27	126099.6	4.233505			2
+ 4.42	4.43	4.48	94046.05	3.205559			3
4.42	4.45	4.48	96298.78	3.282343			3
4.60	4.63	4.66	65135.29	3.09719			4
E+ 4.60	4.65	4.66	2814412	133.825581			4
+ 4.72	4.73	4.78	6732.695	0.142943			5
4.72	4.75	4.78	48101.09	1.021243			5
+ 4.72	4.77	4.78	46026	0.977186			5
+ 4.91	4.92	4.97	39293.18	1.103617			6
4.91	4.95	4.97	46737.3	1.312734			6
E+ 4.91	4.97	4.97	3482490	97.814462			6

Height Summation: 5441219.46
Amount Avg CF: 32.735153 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
E 3.57	3.59	3.61	8204986	624.121539	4	173.37	2
3.72	3.74	3.76	1679402	31.920709			3
3.79	3.81	3.83	1414658	33.107318			4
+ 4.40	4.40	4.44	2977723	148.42745			5
4.40	4.43	4.44	94046.05	4.687815			5

Height Summation: 11393092.05
Amount Avg CF: 173.459345 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaohene							
+ 4.35	4.36	4.39	131705.3	17.09376	5	203.83	1
4.35	4.30	4.39	107774.4	13.987817			1
+ 4.40	4.40	4.44	2977723	417.551656			2
4.40	4.43	4.44	94046.05	13.187622			2
4.57	4.58	4.61	147541.7	21.239814			3
+ 4.57	4.60	4.61	204395.1	29.424318			3
4.78	4.79	4.82	91310.6	18.021416			4
E 4.85	4.86	4.89	7968394	872.240644			5

Height Summation: 8409066.75
Amount Avg CF: 187.735463 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 04:53:37
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.084.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
E 4.14	4.15	4.20	1295082	87.905069	6	107.63	1
+ 4.14	4.19	4.20	195216.3	13.250514			1
4.28	4.30	4.34	95359.28	4.884767			2
+ 4.28	4.32	4.34	219598.2	11.248891			2
4.51	4.53	4.57	126657.7	5.14083			3
E+ 4.51	4.56	4.57	2053313	83.340638			3
E+ 4.69	4.70	4.75	1851644	97.350759			4
4.69	4.72	4.75	97287.63	5.114927			4
+ 4.69	4.74	4.75	43062.17	2.264007			4
E 4.83	4.84	4.89	1937588	160.116963			5
E 4.91	4.94	4.97	1888567	107.350109			6
+ 4.91	4.97	4.97	41712.88	2.371048			6

Height Summation: 5440541.61
Amount Avg CF: 61.752111 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
+ 4.61	4.62	4.67	104981	6.012413	6	104.92	1
4.61	4.64	4.67	17203.99	0.985297			1
+ 4.61	4.66	4.67	143689.3	8.229294			1
E 4.76	4.77	4.82	2054567	93.737094			2
+ 4.76	4.81	4.82	195509	8.919858			2
E 4.91	4.94	4.97	1888567	80.124957			3
+ 4.91	4.97	4.97	41712.88	1.769724			3
5.08	5.11	5.14	20453.77	1.734612			4
+ 5.08	5.13	5.14	61338.93	5.201937			4
E 5.23	5.27	5.29	2191596	69.920408			5
5.38	5.39	5.44	83072.23	4.419282			6
+ 5.38	5.43	5.44	7594.699	0.404023			6

Height Summation: 6255459.99
Amount Avg CF: 41.820275 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
3.42	3.43	3.46	955623.9	71.22354	5	75.25	1
4.17	4.19	4.21	195216.3	15.218809			2
4.35	4.36	4.39	959071.7	18.894108			3
4.38	4.39	4.41	1306675	38.82418			4
+ 4.38	4.41	4.41	846594.2	25.154171			4
4.87	4.90	4.91	1409287	102.595178			5

Height Summation: 4825873.9
Amount Avg CF: 49.351163 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9874411 MS CFG T1302MS ID: AC **Batchnumber:** 183050038A
Sample Amount: 30.1 g **Total Volume:** 10 ml **Analyst:** 2306 **SDG:** TID13 **State:** NY
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 04:53:37
 Instrument : CP35--24952A
 Result file : 35PEST18271026.084.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Analysis Report (B)

Injected on : Nov 14, 2018 04:53:37
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.084.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDB.MET

	Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene						4	89.35	
4.70	4.72	4.74	97287.63	19.92497				1
+ 4.99	4.99	5.03	43436.87	7.276159				3
+ 4.99	5.00	5.03	44191.91	7.402637				3
4.99	5.02	5.03	15972.76	2.675615				3
+ 5.21	5.21	5.25	160827.4	39.747396				4
+ 5.21	5.22	5.25	75249.76	18.597465				4
5.21	5.23	5.25	85413.27	21.109308				4
+ 5.27	5.27	5.31	2191596	344.512666				5
5.27	5.30	5.31	16405.89	2.578959				5

Height Summation: 215079.55
Amount Avg CF: 11.572213 Linear:

Summary Report

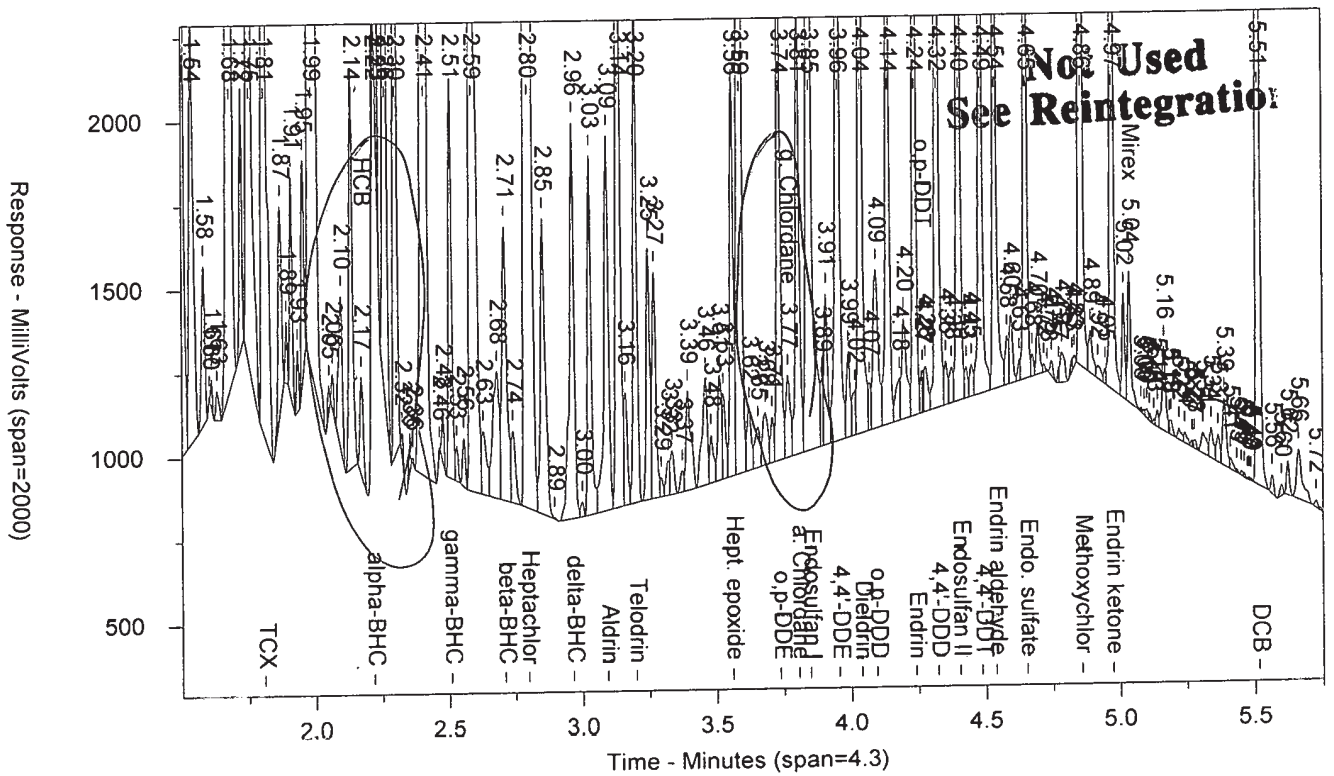
Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0	0	E	11.98	4	40	
Aroclor-1221			0	0	E	** 176.88	3	5	
Aroclor-1248			0	0	E	** 150.30	4	30	
Aroclor-1254			0	0	E	27.65	4	40	
Aroclor-1260			0	0	E	24.37	4	40	
Chlordane			16.9435	3.9867	E	** 111.40	4	40	
Toxaphene			32.8904	13.9535	E	** 176.78	4	40	

Units: ug/kg

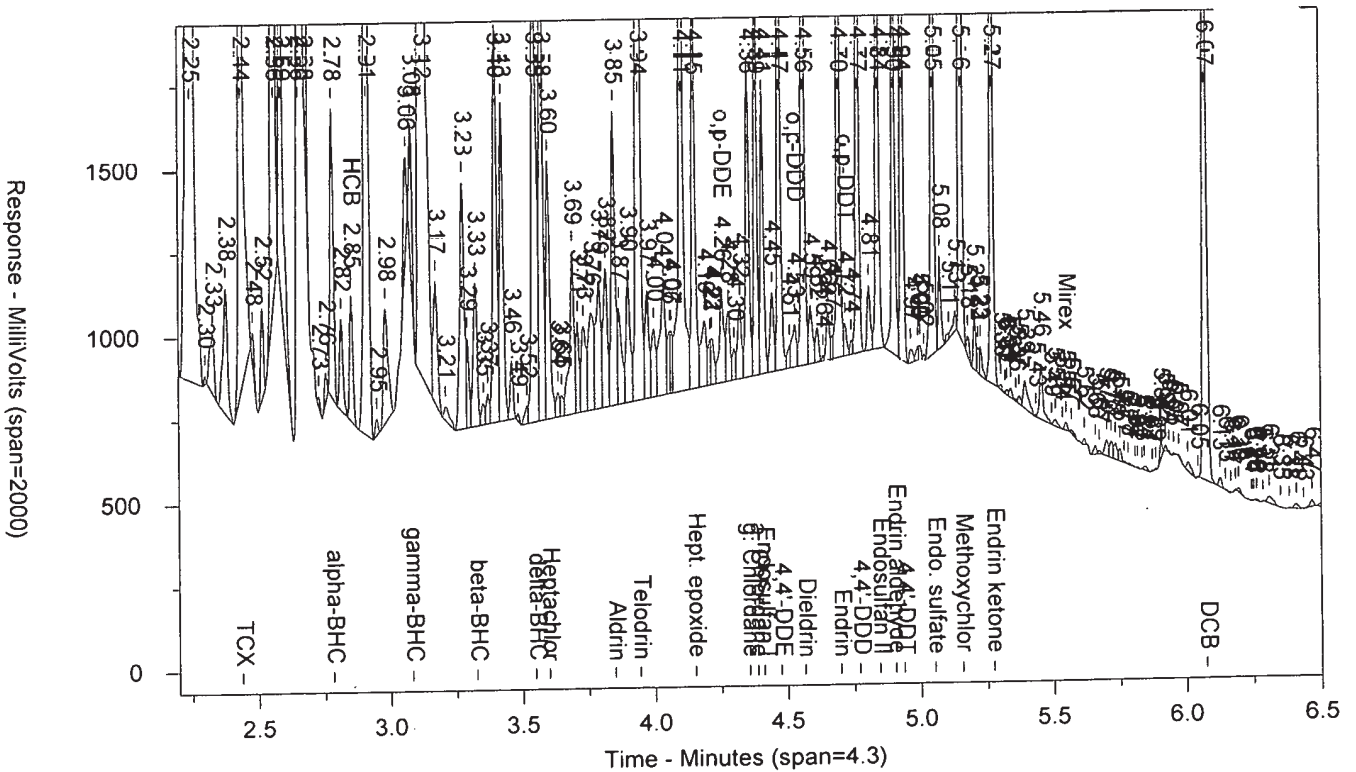
9874411MS CFG ACT1302MS MS 183050038A 14587

SW-846 8081B

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026.084.RAW



\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.084.RAW



LANCASTER LABORATORIES

Sample Number: 9874411MS CFG ACT1302MS MS 183050038A 14587
 Injected On: 11/14/2018 4:53:37 AM
 Instrument ID: CP35-24952
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

SW-846 8081B

Sample Weight: 30.1
 Dilution Factor: 10

Not Used
 see Reintegration

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.808	3775551	8.606	TCX	2.439	2351005	6.391	TCX
2.173	295532	.586	HCB	2.854	377778	.924	HCB
2.219	328639	.494	alpha-BHC	2.782	867235	1.732	alpha-BHC
2.508	1191453	2.112	gamma-BHC	3.081	437375	1.026	gamma-BHC
2.711	817103	3.379	beta-BHC	3.326	428126	2.136	beta-BHC
2.798	38581090	85.981	Heptachlor	3.6	774182	1.824	Heptachlor
2.964	1180995	2.206	delta-BHC	3.548	1353309	2.772	delta-BHC
3.093	1115883	2.191	Aldrin	3.849	881787	1.926	Aldrin
3.2	1498141	4.117	Telodrin	3.943	7877933	25.944	Telodrin
3.56	1213059	2.412	Hept. epoxide	4.152	1295082	3.342	Hept. epoxide
3.736	1679402	4.817	o,p-DDE	4.250	281327	.887	o,p-DDE
3.768	245880	.44	g. Chlordane	4.355	959072	2.295	g. Chlordane
3.806	1414658	2.516	a. Chlordane	4.386	1306675	3.217	a. Chlordane
3.849	3512562	6.69	Endosulfan I	4.411	846594	2.179	Endosulfan I
3.955	3147579	5.526	4,4'-DDE	4.474	1913153	4.282	4,4'-DDE
4.039	3208153	5.567	Dieldrin	4.565	2053313	4.78	Dieldrin
4.095	473395	1.362	o,p-DDD	4.532	126658	.364	o,p-DDD
4.24	3080799	6.006	Endrin	4.698	1851644	5.197	Endrin
4.266	126100	.273	o,p-DDT	4.72	97288	.21	o,p-DDT
4.324	3158349	6.212	4,4'-DDD	4.77	2054567	5.327	4,4'-DDD
4.405	2977723	5.632	Endosulfan II	4.844	1937588	5.191	Endosulfan II
4.485	2740787	7.612	4,4'-DDT	4.935	1888567	5.872	4,4'-DDT
4.538	2176232	4.851	Endrin aldehyde	4.904	1409287	4.648	Endrin aldehyde
4.652	2814412	6.157	Endo. sulfate	5.053	1990561	5.673	Endo. sulfate
4.858	7968394	41.734	Methoxychlor	5.157	5243998	30.667	Methoxychlor
4.973	3482490	6.222	Endrin ketone	5.273	2191596	5.392	Endrin ketone
5.037	392641	1.001	Mirex	5.549	23216	-.473	Mirex
5.514	4900546	9.736	DCB	6.074	2021608	9.707	DCB

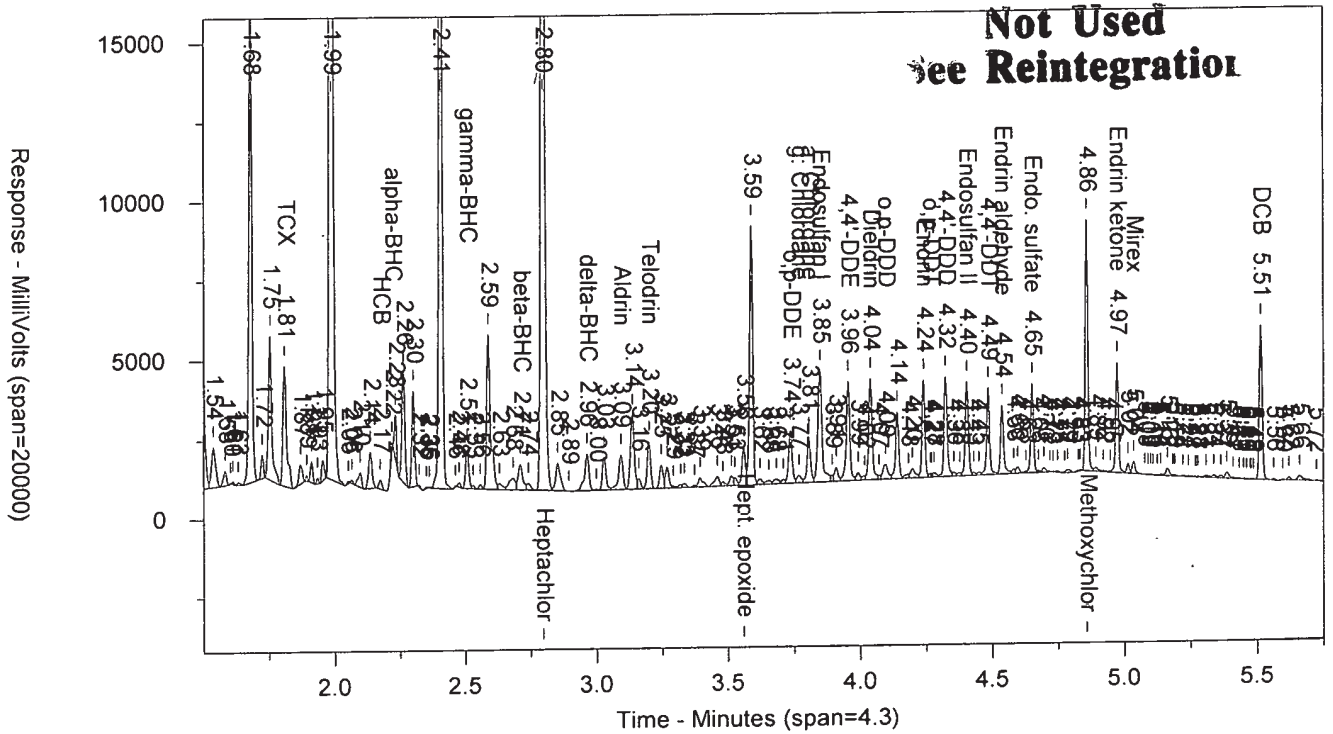
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 Method B: 35PESTDB.MET
 Calibration File A: 35pest1827109.CAL
 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 11/14/2018 5:00:59 AM
 File Reported On: 11/14/2018 at 8:55:41 AM

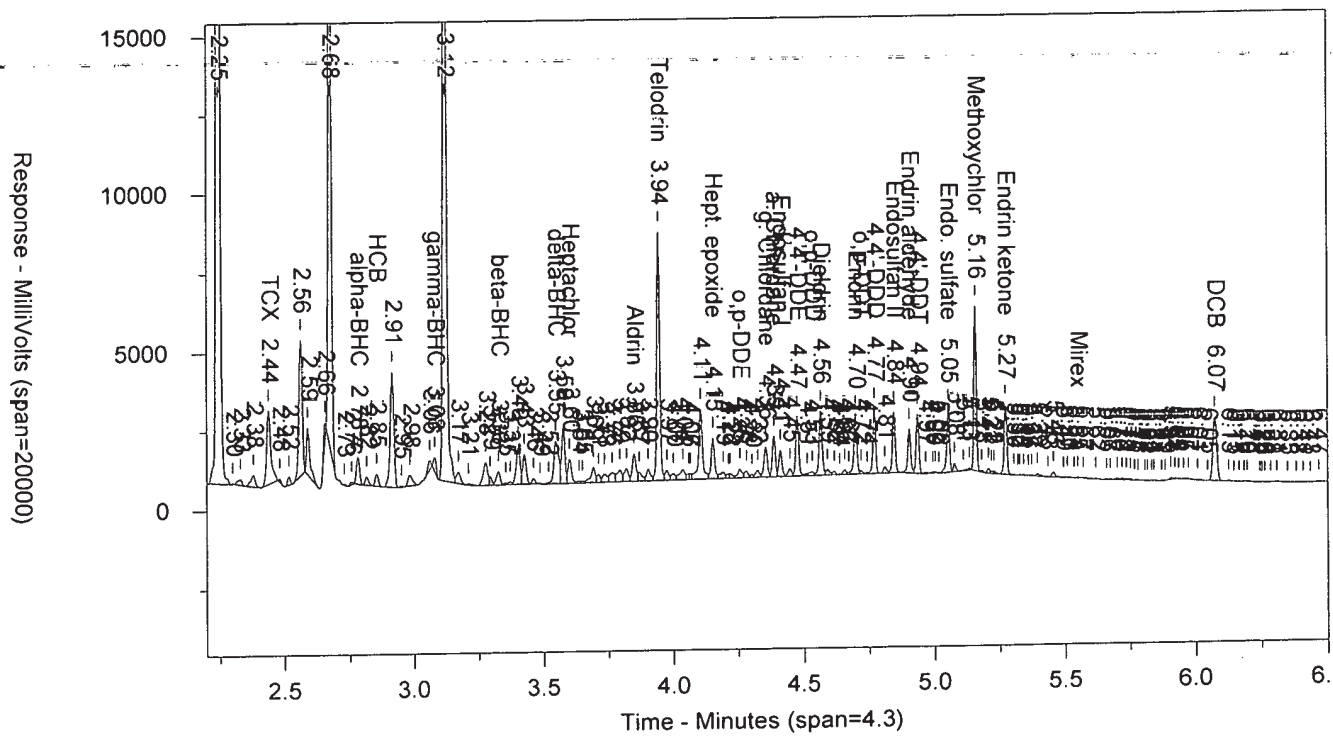
9874411MS CFG ACT1302MS MS 183050038A 14587

SW-846 8081

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026.084.RAW



\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.084.RAW



9874411MS CFG ACT1302MS MS 183050038A 14587

SW-846 8081B

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026.084.BND

M = Manually Integrated

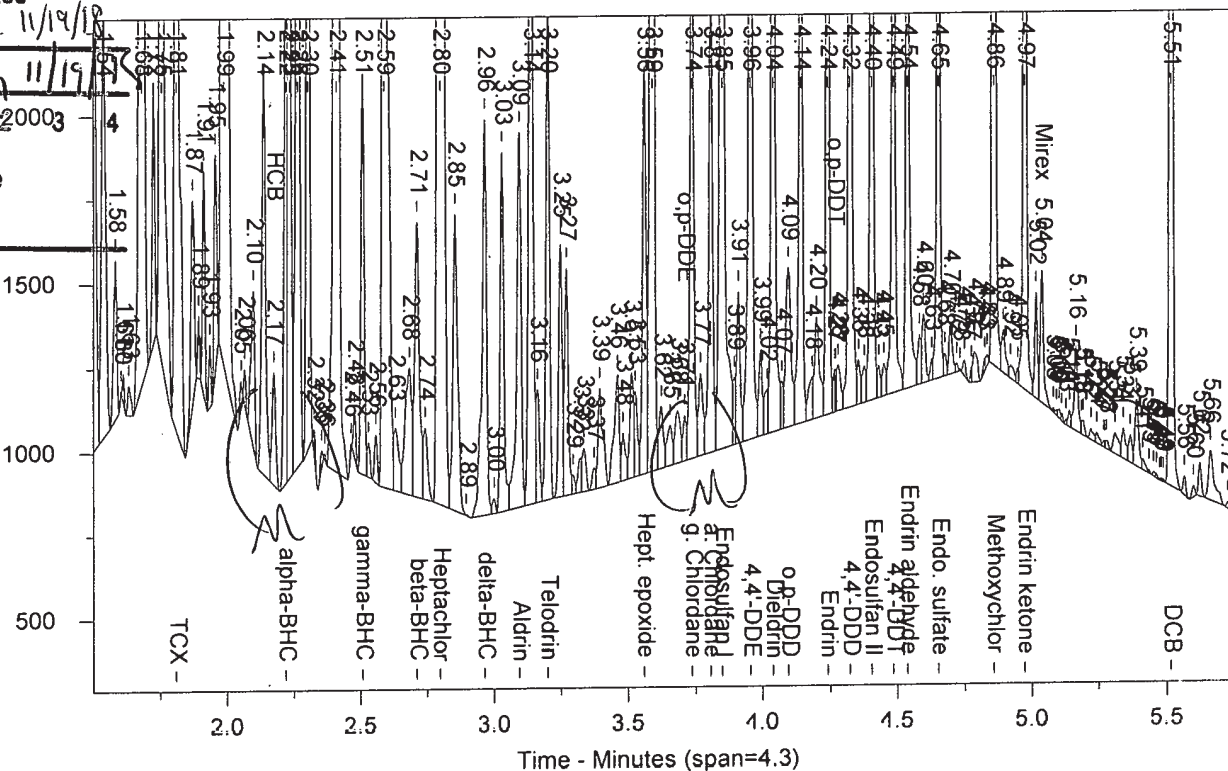
Analyst OSS 15222 11/19/18

Approved by Wan 11/19/18

Circle Reason 1 20003

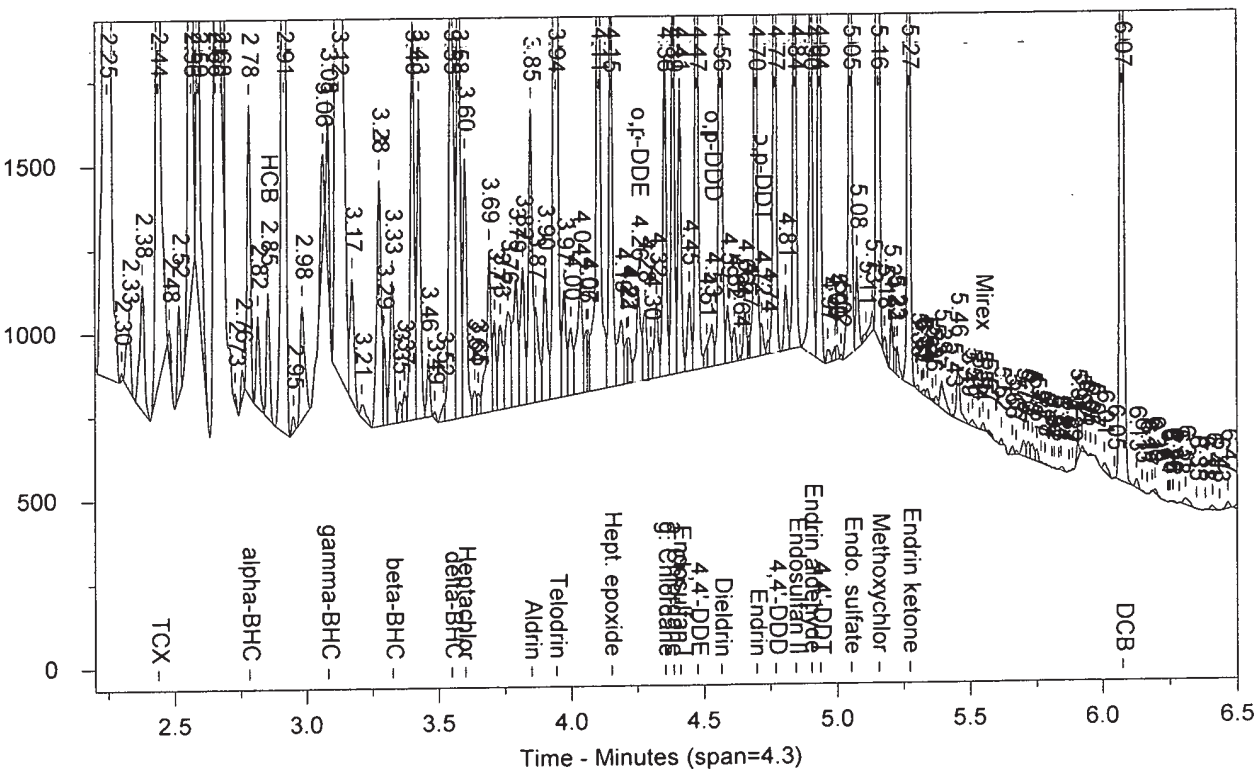
- 1 = Missed Peak
- 2 = Improper Baseline
- 3 = RT Update
- 4 = Other

Response - Millivolts (span=2000)



\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.084.BND

Response - Millivolts (span=2000)



Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: 9874411MS CFG ACT1302MS MS 183050038A 14587 SW-846 8081B
 Injected On: 11/14/2018 4:53:37 AM Sample Weight: 30.1
 Instrument ID: CP35-24952 Dilution Factor: 10
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

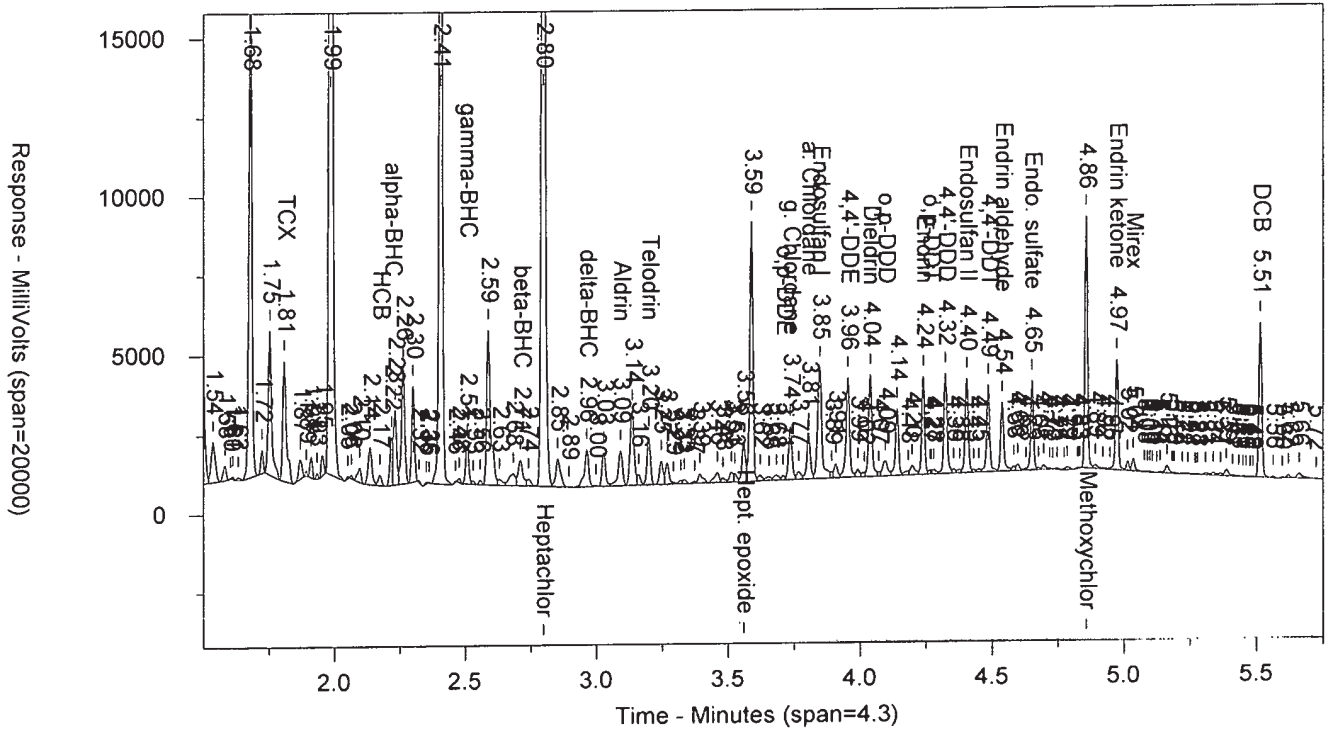
RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.808	3775551	8.606	TCX	2.439	2351005	6.391	TCX
2.173	335368	.672	HCB	2.854	377778	.924	HCB
2.219	1514040	2.275	alpha-BHC	2.782	867235	1.732	alpha-BHC
2.508	1191453	2.112	gamma-BHC	3.081	437375	1.026	gamma-BHC
2.711	817103	3.379	beta-BHC	3.326	428126	2.136	beta-BHC
2.798	38581090	85.981	Heptachlor	3.6	774182	1.824	Heptachlor
2.964	1180995	2.206	delta-BHC	3.548	1353309	2.772	delta-BHC
3.093	1115883	2.191	Aldrin	3.849	881787	1.926	Aldrin
3.2	1498141	4.117	Telodrin	3.943	7877933	25.944	Telodrin
3.56	1213059	2.412	Hept. epoxide	4.152	1295082	3.342	Hept. epoxide
3.709	136133	.229	o,p-DDE	4.258	281327	.087	o,p-DDE
3.736	1679402	3.009	g. Chlordane	4.355	959072	2.295	g. Chlordane
3.806	1414658	2.516	a. Chlordane	4.386	1306675	3.217	a. Chlordane
3.849	3512563	6.69	Endosulfan I	4.411	846594	2.179	Endosulfan I
3.955	3147579	5.526	4,4'-DDE	4.474	1913153	4.282	4,4'-DDE
4.039	3208153	5.567	Dieldrin	4.565	2053313	4.78	Dieldrin
4.095	473395	1.362	o,p-DDD	4.532	126658	.364	o,p-DDD
4.24	3080799	6.006	Endrin	4.698	1851644	5.197	Endrin
4.266	126100	.273	o,p-DDT	4.72	97288	.21	o,p-DDT
4.324	3158349	6.212	4,4'-DDD	4.77	2054567	5.327	4,4'-DDD
4.405	2977723	5.632	Endosulfan II	4.844	1937588	5.191	Endosulfan II
4.485	2740787	7.612	4,4'-DDT	4.935	1888567	5.872	4,4'-DDT
4.538	2176232	4.851	Endrin aldehyde	4.904	1409287	4.648	Endrin aldehyde
4.652	2814412	6.157	Endo. sulfate	5.053	1990561	5.673	Endo. sulfate
4.858	7968394	41.734	Methoxychlor	5.157	5243998	30.667	Methoxychlor
4.973	3482490	6.222	Endrin ketone	5.273	2191596	5.392	Endrin ketone
5.037	392641	1.001	Mirex	5.549	23216	-.473	Mirex
5.514	4900546	9.736	DCB	6.074	2021608	9.707	DCB

Files:

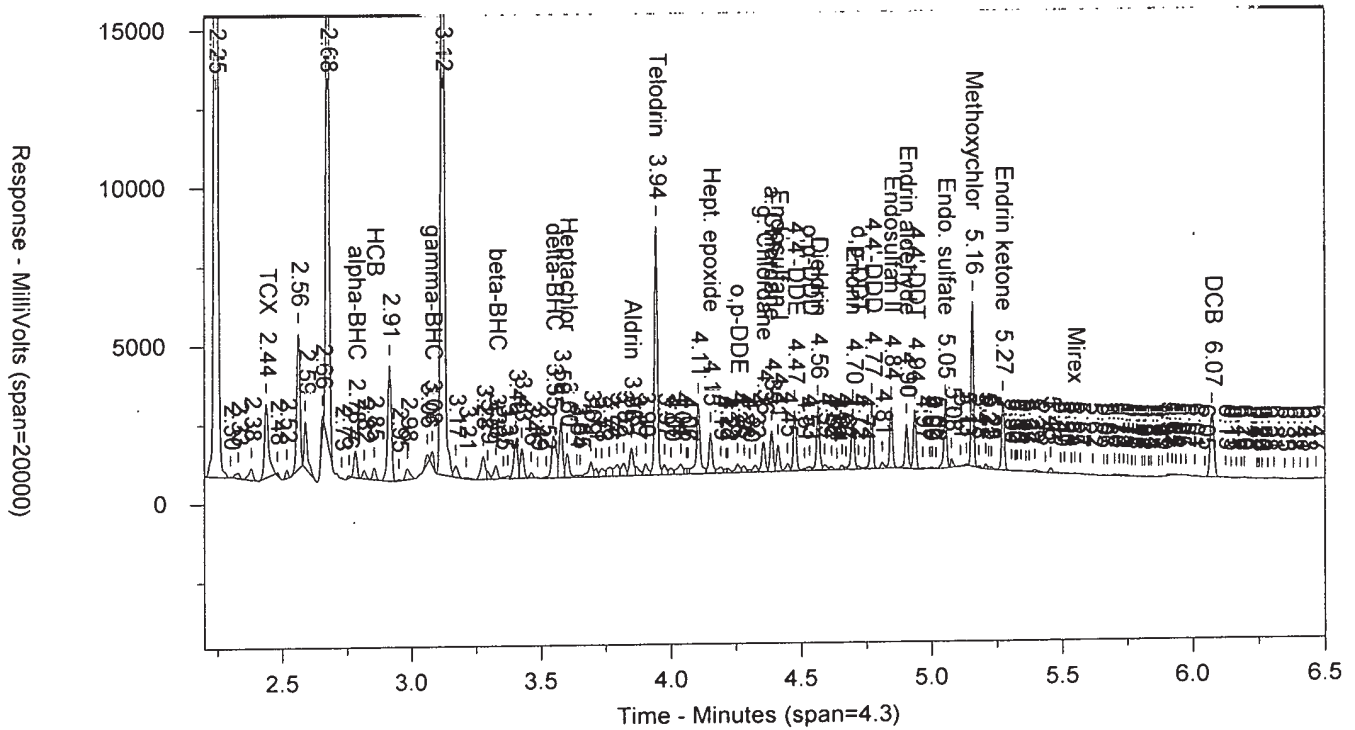
Area File: 35pest18271026.084.BND
 Area File: 35pest18271026B.084.BND
 Method A: 35PESTD.MET
 Method B: 35PESTDDB.MET
 Calibration File A: 35pest1827109.CAL
 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 11/19/2018 10:05:55 AM
 File Reported On: 11/19/2018 at 10:06:30 AM

9874411MS CFG ACT1302MS MS 183050038A 14587 SW-846 8081

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Data Summary

Sample Name: **9874411** MSD CFG T1302MSD MSD Sample ID: AC Batchnumber: **183050038A**
 Sample Amount: 30.2 g Total Volume: 10 ml Analyst: 15222 SDG: TID13 State: NY
 Analyses: 14587

Analysis Report (A)

Injected on Nov 14, 2018 05:04:03
 Instrument 24952A
 Result file 35PEST18271026.085.RAW
 Calibration file 35PEST1827109
 Method file 35PESTD

%SSR(TCX) 81% (42 - 129) Conc: 8.056678
 %SSR(DCB) 99% (39 - 152) Conc: 9.757976

Analysis Report (B)

Injected on Nov 14, 2018 05:04:03
 Instrument 24952B
 Result file 35PEST18271026B.085.RAW
 Calibration file 35PEST1827109B
 Method file 35PESTD

%SSR(TCX) 61% (42 - 129) Conc: 6.103986
 %SSR(DCB) 104% (39 - 152) Conc: 10.23797

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	1.79	1.81	1.83	3546320	8.056678	Tetrachloro-m-xylene	2.42	2.44	2.46	2252738	6.103986
HCB	2.14	2.17	2.18	111898	0.189933	Alpha BHC	2.76	2.78	2.80	871145	1.733547
Alpha BHC	2.20	2.22	2.24	865083	1.295331	HCB	2.85	2.85	2.89	89697	0.169832
Gamma BHC - Lindane	2.49	2.51	2.53	1241295	2.192988	Gamma BHC - Lindane	3.06	3.08	3.10	526172	1.229706
Beta BHC	2.69	2.71	2.73	726568	2.988695	Beta BHC	3.31	3.33	3.35	448326	2.232831
Heptachlor	2.79	2.80	2.83	20040800 E	44.51449	Delta BHC	3.53	3.55	3.57	1092412	2.23004
Delta BHC	2.94	2.96	2.98	1192976	2.220919	Heptachlor	3.58	3.60	3.62	801570	1.882187
Aldrin	3.07	3.09	3.11	1109413	2.171071	Aldrin	3.83	3.85	3.87	889551	1.93605
Telodrin	3.18	3.20	3.22	399710	1.059746	Telodrin	3.92	3.94	3.96	2370440 E	7.72901
Heptachlor Epoxide	3.54	3.56	3.58	1238165	2.453263	Heptachlor Epoxide	4.13	4.15	4.17	1104166	2.82788
o,p-DDE	3.73	3.71	3.77	147109	0.259221	o,p-DDE	4.24	4.26	4.28	212334	0.622828
Gamma Chlordane	3.73	3.74	3.77	1533554	2.738131	Gamma Chlordane	4.34	4.36	4.38	999840	2.386091
Alpha Chlordane	3.79	3.81	3.83	1403791	2.488384	Alpha Chlordane	4.37	4.39	4.41	1057941	2.583994
Endosulfan I	3.82	3.84	3.86	1754482	3.330454	Endosulfan I	4.39	4.41	4.43	867370	2.226632
p,p-DDE	3.94	3.96	3.98	3174150	5.554048	p,p-DDE	4.46	4.48	4.50	1935085	4.316248
Dieldrin	4.02	4.04	4.06	3276200	5.666359	o,p-DDD	4.52	4.53	4.56	97998	0.241183
o,p-DDD	4.07	4.09	4.11	251113	0.66038	Dieldrin	4.55	4.56	4.59	2029056	4.707823
Endrin	4.22	4.24	4.26	3089644	6.003411	Endrin	4.69	4.70	4.71	1873667	5.242236
o,p-DDT	4.25	4.27	4.29	85827	0.155581	o,p-DDT	4.70	4.72	4.74	82101	0.1497
p,p-DDD	4.30	4.32	4.34	3243008	6.35983	p,p-DDD	4.75	4.77	4.79	2018069	5.213356
Endosulfan II	4.39	4.40	4.43	3052948	5.755377	Endosulfan II	4.83	4.84	4.86	1888814	5.041217
β,β-UI I	4.47	4.49	4.51	2683640	7.429089	Endrin Aldehyde	4.89	4.90	4.93	1444437	4.749455
Endrin Aldehyde	4.52	4.54	4.56	2276269	5.057052	p,p-DDT	4.92	4.94	4.96	1975653	6.122468
Endosulfan Sulfate	4.63	4.65	4.67	2925352	6.37781	Endosulfan Sulfate	5.04	5.05	5.07	1936008	5.496917
Methoxychlor	4.84	4.86	4.88	7686848	40.15877	Methoxychlor	5.14	5.16	5.18	5373229	31.31901
Endrin Ketone	4.95	4.97	4.99	3628157	6.463093	Endrin Ketone	5.26	5.27	5.30	2332514	5.725224
Mirex	5.03	5.04	5.06	198982	0.505358	Mirex	5.53	5.55	5.57	9000	0
Decachlorobiphenyl	5.49	5.51	5.55	4928223	9.757976	Decachlorobiphenyl	6.05	6.07	6.11	2137562	10.23797

Single Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	Comments
<input type="checkbox"/> Tetrachloro-m-xylene	A	8.056678	0.4967	0.9934	0.9934		27.58	
<input type="checkbox"/> Tetrachloro-m-xylene-D1	A	8.056678	0.4967	0.9934	0.9934			
<input type="checkbox"/> Tetrachloro-m-xylene-D2	B	6.103986	0.4967	0.9934	0.9934			
<input type="checkbox"/> HCB			<0.2086	<0.4967	<0.8245			
<input type="checkbox"/> Alpha BHC	B	1.733547	0.1689	0.596	0.8245		28.94	
<input type="checkbox"/> Gamma BHC - Lindane	B	1.229706	0.2086	0.596	0.8245	P	56.29	
<input type="checkbox"/> Beta BHC	A	2.988695	0.4371	0.894	0.9934		28.95	
<input type="checkbox"/> Heptachlor	B	1.882187	0.3079	0.6159	0.8245	P	183.77	
<input type="checkbox"/> Delta BHC	B	2.23004	0.447	0.894	0.9934		0.41	
<input type="checkbox"/> Aldrin	A	2.171071	0.1689	0.596	0.8245		11.44	
<input type="checkbox"/> Telodrin	A	1.059746			<1.1921	JP	151.77	
<input type="checkbox"/> Heptachlor Epoxide	B	2.82788	0.1689	0.596	0.8245		14.19	
<input type="checkbox"/> o,p-DDE			<0.3278	<0.894	<1.6887			
<input type="checkbox"/> Gamma Chlordane	A	2.738131	0.2483	0.596	0.8245		13.74	

Reviewed and digitally signed by Dylan Schreiner on 11/19/2018 10:41:01

Data Summary

Sample Name: **9874411** MSD CFG T1302MSD MSD Sample ID: AC Batchnumber: **183050038A**
 Sample Amount: 30.2 g Total Volume: 10 ml Analyst: 15222 SDG: TID13 State: NY
 Analyses: 14587

Analysis Report (A)

Injected on Nov 14, 2018 05:04:03
 Instrument 24952A
 Result file 35PEST18271026.085.RAW
 Calibration file 35PEST1827109
 Method file 35PESTD

Analysis Report (B)

Injected on Nov 14, 2018 05:04:03
 Instrument 24952B
 Result file 35PEST18271026B.085.RAW
 Calibration file 35PEST1827109B
 Method file 35PESTD

Single Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	Comments
<input type="checkbox"/> Alpha Chlordane	B	2.583994	0.1689	0.596	0.8245		3.77	
<input type="checkbox"/> Endosulfan I	A	3.330454	0.2185	0.596	0.8245		39.73	
<input type="checkbox"/> p,p-DDE	A	5.554048	0.3278	1.1921	1.6887		25.08	
<input type="checkbox"/> Dieldrin	A	5.666359	0.3278	1.1921	1.6887		18.48	
<input type="checkbox"/> o,p-DDD			<0.3278	<0.894	<1.6887			
<input type="checkbox"/> Endrin	A	6.003411	0.6755	1.3907	1.6887		13.54	
<input type="checkbox"/> o,p-DDT			<0.3278	<0.894	<1.6887			
<input type="checkbox"/> p,p-DDD	A	6.35983	0.3278	1.1921	1.6887		19.81	
<input type="checkbox"/> Endosulfan II	A	5.755377	1.0927	2.1854	2.2848		13.23	
<input type="checkbox"/> p,p-DDT	A	7.429089	0.7848	1.5894	1.6887		19.28	
<input type="checkbox"/> Endrin Aldehyde	A	5.057052	0.3278	1.1921	1.6887		6.27	
<input type="checkbox"/> Endosulfan Sulfate	A	6.37781	0.3278	1.1921	1.6887		14.84	
<input type="checkbox"/> Methoxychlor	B	31.31901	1.7881	6.457	6.6556		24.73	
<input type="checkbox"/> Endrin Ketone	A	6.463093	0.596	1.7881	1.9868		12.11	
<input type="checkbox"/> Mirex			<0.3477	<0.6954	<1.6887			
<input type="checkbox"/> Decachlorobiphenyl	B	10.23797	0.4967	0.9934	0.9934		4.80	
<input type="checkbox"/> Decachlorobiphenyl-D1	A	9.757976	0.4967	0.9934	0.9934			
<input type="checkbox"/> Decachlorobiphenyl-D2	B	10.23797	0.4967	0.9934	0.9934			

Multiple Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	Hits	Comments
<input type="checkbox"/> Chlordane			<3.9735	<7.947	<16.8874			4	No Req.
<input type="checkbox"/> Toxaphene			<13.9073	<27.8146	<32.7815			4	

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Valerie L. Tomayko
 Valerie L. Tomayko
 Principal Specialist

NOV 19 2018

Eurofins Lancaster Laboratories-Single Component Data Summary

Sample Name: 9874411 MSD CFG T1302MSD ID: AC **Batchnumber:** 183050038A
Sample Amount: 30.2 g **Total Volume:** 10 ml **Analyst:** 2306 **SDG:** TID13 **State:** NY
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 05:04:03
 Instrument : CP35--24952A
 Result file : 35PEST18271026.085.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : 81% (42-129) Conc.: 8.056678
 %SSR(DCB) : 99% (39-152) Conc.: 9.757976

Peak name	Min	R.T.	Max	Height	Amount
TCX	1.79	1.81	1.83	3546320	8.056678
HCB	2.14	2.17	2.18	111898	0.189933
alpha-BHC	2.20	2.22	2.24	865083	1.295331
gamma-BHC	2.49	2.51	2.53	1241295	2.192988
beta-BHC	2.69	2.71	2.73	726568	2.988695
Heptachlor	2.79	2.80	2.83	20040800 E	44.514490
delta-BHC	2.94	2.96	2.98	1192976	2.220919
Aldrin	3.07	3.09	3.11	1109413	2.171071
Telodrin	3.18	3.20	3.22	399710	1.059746
Hept. epoxide	3.54	3.56	3.58	1238165	2.453263
o,p-DDE	3.73	3.71	3.77	147109	0.259221
g. Chlordane	3.73	3.74	3.77	1533554	2.738131
a. Chlordane	3.79	3.81	3.83	1403791	2.488384
Endosulfan I	3.82	3.84	3.86	1754482	3.330454
4,4'-DDE	3.94	3.96	3.98	3174150	5.554048
Dieldrin	4.02	4.04	4.06	3276200	5.666359
o,p-DDD	4.07	4.09	4.11	251113	0.660380
Endrin	4.22	4.24	4.26	3089644	6.003411
o,p-DDT	4.25	4.27	4.29	85827	0.155581
4,4'-DDD	4.30	4.32	4.34	3243008	6.359830
Endosulfan II	4.39	4.40	4.40	3052940	5.755377
4,4'-DDT	4.47	4.49	4.51	2683640	7.429089
Endrin aldehyde	4.52	4.54	4.56	2276260	6.067062
Endo. sulfate	4.63	4.65	4.67	2925352	6.377810
Methoxychlor	4.84	4.86	4.88	7686848	40.158770
Endrin ketone	4.95	4.97	4.99	3628157	6.463093
Mirex	5.03	5.04	5.06	198982	0.505358
DCB	5.49	5.51	5.55	4928223	9.757976

Analysis Report (B)

Injected on : Nov 14, 2018 05:04:03
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.085.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDB.MET
 %SSR(TCX) : 61% (42-129) Conc.: 6.103986
 %SSR(DCB) : 104% (39-152) Conc.: 10.23797

Peak name	Min	R.T.	Max	Height	Amount
TCX	2.42	2.44	2.46	2252738	6.103986
alpha-BHC	2.76	2.78	2.80	871145	1.733547
HCB	2.85	2.85	2.89	89697	0.169832
gamma-BHC	3.06	3.08	3.10	526172	1.229706
beta-BHC	3.31	3.33	3.35	448326	2.232831
delta-BHC	3.53	3.55	3.57	1092412	2.230040
Heptachlor	3.58	3.60	3.62	801570	1.882187
Aldrin	3.83	3.85	3.87	889551	1.936050
Telodrin	3.92	3.94	3.96	2370440 E	7.729010
Hept. epoxide	4.13	4.15	4.17	1104166	2.827880
o,p-DDE	4.24	4.26	4.28	212334	0.622828
g. Chlordane	4.34	4.36	4.38	999840	2.386091
a. Chlordane	4.37	4.39	4.41	1057941	2.583994
Endosulfan I	4.39	4.41	4.43	867370	2.226632
4,4'-DDE	4.46	4.48	4.50	1935085	4.316248
o,p-DDD	4.52	4.53	4.56	97998	0.241183
Dieldrin	4.55	4.56	4.59	2029056	4.707823
Endrin	4.69	4.70	4.71	1873667	5.242236
o,p-DDT	4.70	4.72	4.74	82101	0.149700
4,4'-DDD	4.75	4.77	4.79	2018069	5.213356
Endosulfan II	4.83	4.84	4.86	1888814	6.041217
Endrin aldehyde	4.89	4.90	4.93	1444437	4.749455
4,4' DDT	4.92	4.94	4.96	1975653	6.122468
Endo. sulfate	5.04	5.05	5.07	1936008	5.496917
Methoxychlor	5.14	5.16	5.18	5373229	31.319010
Endrin ketone	5.26	5.27	5.30	2332514	5.725224
Mirex	5.53	5.55	5.57	9000	-0.547468
DCB	6.05	6.07	6.11	2137562	10.237970

Summary Report

Compound Name	Column	Amount Found	LOQ	DL	Qualifiers	%RPD	Comments
<input type="checkbox"/> TCX	A	8.056678	0.9934	0.4967		27.58	
<input type="checkbox"/> HCB	A	0.109933	<0.8245	<0.2086		11.17	
<input checked="" type="checkbox"/> alpha-BHC	B	1.733547	0.8245	0.1689		28.94	
<input checked="" type="checkbox"/> gamma-BHC	B	1.229706	0.8245	0.2086		56.29	**
<input checked="" type="checkbox"/> beta-BHC	A	2.988695	0.9934	0.4371		28.95	
<input checked="" type="checkbox"/> Heptachlor	B	1.882187	0.8245	0.3079		183.77	**
<input checked="" type="checkbox"/> delta-BHC	B	2.230040	0.9934	0.447		0.41	
<input checked="" type="checkbox"/> Aldrin	A	2.171071	0.8245	0.1689		11.44	
<input type="checkbox"/> Telodrin	A	1.059746	<1.1921			151.77	**
<input checked="" type="checkbox"/> Hept. epoxide	B	2.827880	0.8245	0.1689		14.19	
<input type="checkbox"/> o,p-DDE	A	0.259221	<1.6887	<0.3278		82.45	**
<input checked="" type="checkbox"/> g. Chlordane	A	2.738131	0.8245	0.2483		13.74	
<input checked="" type="checkbox"/> a. Chlordane	B	2.583994	0.8245	0.1689		3.77	

%RPD = High - Low Amount divided by the Average times 100

** %Difference > 40, lower amount found reported

* Recovery outside QC Limits

Higher Amount Found unless RPD > 40

Eurofins Lancaster Laboratories-Single Component Data Summary

Sample Name: 9874411 MSD CFG T1302MSD ID: AC **Batchnumber:** 183050038A
Sample Amount: 30.2 g **Total Volume:** 10 ml **Analyst:** 2306 **SDG:** TID13 **State:** NY
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 05:04:03
 Instrument : CP35--24952A
 Result file : 35PEST18271026.085.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

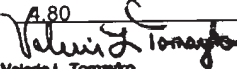
Analysis Report (B)

Injected on : Nov 14, 2018 05:04:03
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.085.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDDB.MET

Summary Report

Compound Name	Column	Amount Found	LOQ	DL	Qualifiers	%RPD	Comments
<input checked="" type="checkbox"/> Endosulfan I	A	3.330454	0.8245	0.2185		39.73	
<input checked="" type="checkbox"/> 4,4'-DDE	A	5.554048	1.6887	0.3278		25.08	
<input checked="" type="checkbox"/> Dieldrin	A	5.666359	1.6887	0.3278		18.48	
<input type="checkbox"/> o,p-DDD	B	0.241183	<1.6887	<0.3278		92.99	**
<input checked="" type="checkbox"/> Endrin	A	6.003411	1.6887	0.6755		13.54	
<input type="checkbox"/> o,p-DDT	A	0.155581	<1.6887	<0.3278		3.85	
<input checked="" type="checkbox"/> 4,4'-DDD	A	6.359830	1.6887	0.3278		19.81	
<input checked="" type="checkbox"/> Endosulfan II	A	5.755377	2.2848	1.0927		13.23	
<input checked="" type="checkbox"/> 4,4'-DDT	A	7.429089	1.6887	0.7848		19.28	
<input checked="" type="checkbox"/> Endrin aldehyde	A	5.057052	1.6887	0.3278		6.27	
<input checked="" type="checkbox"/> Endo. sulfate	A	6.377810	1.6887	0.3278		14.84	
<input checked="" type="checkbox"/> Methoxychlor	(B) A	40.158770	6.6556	1.7881		24.73	DI OCS ↑
<input checked="" type="checkbox"/> Endrin ketone	A	6.463093	1.9868	0.596		12.11	
<input type="checkbox"/> Mirex			<1.6887	<0.3477			
<input type="checkbox"/> DCB	B	10.237970	0.9934	0.4967			

Units: ug/kg

A.80

 Valerie L. Tomayko
 Principal Specialist

Reviewed by: DJS 15222
 Date: 11/19/18

Verified by: _____
 Date: NOV 19 2018

%RPD = High - Low Amount divided by the Average times 100

Higher Amount Found unless RPD > 40

** %Difference > 40, lower amount found reported

* Recovery outside QC Limits

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9874411 MSD CFG T1302MSD ID: AC **Batchnumber:** 183050038A
Sample Amount: 30.2 g **Total Volume:** 10 ml **Analyst:** 2306 **SDG:** TID13 **State:** NY
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 05:04:03
 Instrument : CP35--24952A
 Result file : 35PEST18271026.085.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : 81% (42-129) Conc.: 8.056678
 %SSR(DCB) : 99% (39-152) Conc.: 9.757976

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
					5	146.06	
+ 2.17	2.17	2.23	111897.6	14.117861			1
E 2.17	2.22	2.23	865083.2	109.145545			1
+ 2.45	2.47	2.51	4028.446	0.338649			2
	2.45	2.48	2.51	81929.05	6.887315		2
	2.64	2.67	2.70	197208	28.210493		2
+ 2.64	2.68	2.70	192583	27.54889			3
	2.83	2.85	2.89	193259.9	9.079807		4
+ 2.91	2.91	2.97	1795.547	0.145201			5
	2.91	2.92	2.97	8431.98	0.681873		5
E+ 2.91	2.96	2.97	1192976	96.472898			5
Height Summation:			1345912.13				
Amount Avg CF:			30.801007	Linear:			

Aroclor-1221							
					2	132.13	
+ 2.04	2.05	2.08	53297.82	11.085014			1
	2.04	2.07	2.08	22998.88	4.783365		1
E 2.12	2.14	2.16	465398.2	140.896333			2
Height Summation:			488397.08				
Amount Avg CF:			72.839849	Linear:			

Aroclor-1248							
					6	129.73	
E 3.08	3.09	3.14	1109413	98.17268			1
E+ 3.08	3.14	3.14	1615271	142.936385			1
+ 3.30	3.32	3.36	50607.21	3.365387			2
+* 3.33	3.33	3.39	46605.16	9.0994			3
* 3.30	3.33	3.36	46605.16	3.09925			2
	3.33	3.36	3.39	6980.56	1.362916		3
E 3.57	3.59	3.63	2434495	144.677621			4
* 3.60	3.62	3.66	137673	7.491352			5
+* 3.57	3.62	3.63	137673	8.181657			4
+ 3.60	3.65	3.66	89853.73	4.88931			5
+ 4.00	4.01	4.06	118897	11.460404			6
E 4.00	4.04	4.06	3276200	315.790765			6
Height Summation:			7011366.77				
Amount Avg CF:			95.099097	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2018 05:04:03
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.085.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : 61% (42-129) Conc.: 6.103986
 %SSR(DCB) : 104% (39-152) Conc.: 10.23797

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016							
					6	66.58	
+ 2.73	2.73	2.79	20513.1	2.841837			1
	2.73	2.76	2.79	43386.78	6.010704		1
E+ 2.73	2.78	2.79	871144.8	120.686377			1
+ 3.05	3.06	3.11	61715.17	7.100463			2
	3.05	3.08	3.11	526171.5	60.53716		2
	3.23	3.28	3.29	205840.7	31.709167		3
	3.52	3.55	3.58	1092412	59.55413		4
* 3.55	3.58	3.61	557360.2	50.06724			5
+* 3.52	3.58	3.58	557360.2	30.385149			4
E+ 3.55	3.60	3.61	801569.5	72.004374			5
+ 3.64	3.65	3.70	52128.23	5.926708			6
	3.64	3.67	3.70	90786.12	10.321908		6
+ 3.64	3.69	3.70	276581.8	31.445908			6
Height Summation:			2515957.3				
Amount Avg CF:			36.366718	Linear:			

Aroclor-1221							
					2	140.71	
E 2.66	2.68	2.70	5602464	1987.316846			2
	2.74	2.76	2.78	43386.78	5.035871		3
Height Summation:			5645850.78				
Amount Avg CF:			996.176359	Linear:			

Aroclor-1248							
					6	22.49	
	3.72	3.73	3.78	158373.7	15.223813		1
+* 3.75	3.76	3.81	194896.8	19.961202			2
+* 3.72	3.76	3.78	194896.8	18.734629			1
+* 3.75	3.77	3.81	175552.8	17.980002			2
+* 3.72	3.77	3.78	175552.8	16.87517			1
	3.75	3.78	3.81	176105	18.036558		2
+ 3.75	3.79	3.81	230199.7	23.576902			2
	3.86	3.90	3.92	211366	17.290243		3
	4.16	4.19	4.22	162987.7	10.921649		4
+ 4.16	4.21	4.22	129666.1	8.688801			4
+ 4.28	4.28	4.34	120937	10.761007			5
	4.28	4.32	4.34	121549	10.815463		5
+ 4.51	4.52	4.57	47337.49	6.024882			6
	4.51	4.53	4.57	97998.23	12.472732		6
E+ 4.51	4.56	4.57	2029056	258.248249			6
Height Summation:			928379.63				
Amount Avg CF:			14.126743	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9874411 MSD CFG T1302MSD ID: AC **Batchnumber:** 183050038A
Sample Amount: 30.2 g Total Volume: 10 ml Analyst: 2306 SDG: TID13 State: NY
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 05:04:03
 Instrument : CP35--24952A
 Result file : 35PEST18271026.085.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
3.60	3.62	3.66	137673	7.460974	6	161.62	1
+ 3.60	3.65	3.66	89853.73	4.869483			1
+ 3.70	3.71	3.76	147108.8	6.655765			2
3.70	3.74	3.76	1533554	69.383854			2
E 3.94	3.96	4.00	3174150	178.295075			3
+ 3.94	3.99	4.00	127719	7.1741			3
E+ 4.14	4.14	4.20	2611031	114.939782			4
4.14	4.18	4.20	62216.47	2.738821			4
+ 4.35	4.36	4.41	59946.44	3.971094			5
4.35	4.38	4.41	56618.34	3.750627			5
E+ 4.35	4.40	4.41	3052948	202.239585			5
4.42	4.45	4.48	37916.41	1.590785			6

Height Summation: 5002128.22
Amount Avg CF: 43.870023 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
E 4.10	4.14	4.16	2611031	104.219983	6	110.20	1
+ 4.21	4.22	4.27	57517.78	1.924633			2
E 4.21	4.24	4.27	3089644	103.384235			2
4.42	4.45	4.48	37916.41	1.288101			3
E 4.60	4.65	4.66	2925352	138.640191			4
+ 4.72	4.73	4.78	3196.694	0.067645			5
4.72	4.75	4.78	42063.73	0.890105			5
+ 4.91	4.92	4.97	12096.09	0.338624			6
+ 4.91	4.92	4.97	13711.26	0.38384			6
4.91	4.94	4.97	10002.72	0.280021			6
E+ 4.91	4.97	4.97	3628157	101.568448			6

Height Summation: 8716009.86
Amount Avg CF: 58.117106 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
2.64	2.67	2.68	197208	13.152661	5	96.79	1
E 3.57	3.59	3.61	2434495	184.569428			2
3.72	3.74	3.76	1533554	29.05203			3
3.79	3.81	3.83	1403791	32.744212			4
E 4.40	4.40	4.44	3052948	151.673214			5

Height Summation: 8621996
Amount Avg CF: 82.238309 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
+ 4.35	4.36	4.39	59946.44	7.754562	5	145.42	1
4.35	4.38	4.39	56618.34	7.324045			1
4.40	4.40	4.44	3052948	426.682543			2
4.57	4.58	4.61	57187.13	8.205287			3
+ 4.57	4.59	4.61	60243.09	8.64376			3
4.78	4.78	4.82	8336.42	1.63986			4
E 4.85	4.86	4.89	7686848	838.635738			5
+ 4.85	4.89	4.89	30530.55	3.330885			5

Height Summation: 10861937.89
Amount Avg CF: 256.497495 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 05:04:03
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.085.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254							
4.14	4.15	4.20	1104166	74.698276	6	142.10	1
+ 4.14	4.19	4.20	162987.7	11.026331			1
4.28	4.32	4.34	121549	6.205716			2
+ 4.51	4.52	4.57	47337.49	1.91499			3
4.51	4.53	4.57	97998.23	3.964418			3
+ 4.51	4.56	4.57	2029056	82.083383			3
E+ 4.69	4.70	4.75	1873667	98.182438			4
4.69	4.72	4.75	82101.34	4.30221			4
+ 4.69	4.74	4.75	16301.79	0.854234			4
E+ 4.83	4.84	4.89	1888814	155.56957			5
4.83	4.87	4.89	6659.343	0.548488			5
E 4.91	4.94	4.97	1975653	111.928404			6
+ 4.91	4.97	4.97	27654.04	1.566709			6

Height Summation: 3388126.913
Amount Avg CF: 33.607919 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
+ 4.61	4.62	4.67	86036.49	4.911118	6	105.22	1
4.61	4.66	4.67	69509.87	3.967749			1
E 4.78	4.77	4.82	2018069	91.767044			2
+ 4.76	4.81	4.82	154490.3	7.025091			2
E 4.91	4.94	4.97	1975653	83.542148			3
+ 4.91	4.97	4.97	27654.04	1.169374			3
5.08	5.11	5.14	12259.78	1.036266			4
+ 5.08	5.12	5.14	18594.28	1.571693			4
+ 5.08	5.13	5.14	21826.61	1.844908			4
5.23	5.24	5.29	19117.72	0.60791			5
E 5.23	5.27	5.29	2332514	74.169827			5
+ 5.38	5.39	5.44	60581.96	3.212171			6
5.38	5.41	5.44	19255.6	1.020969			6
+ 5.38	5.43	5.44	3075.309	0.163059			6

Height Summation: 6427261.25
Amount Avg CF: 42.584 Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Chlordane							
3.42	3.43	3.46	456968.1	33.945483	5	91.39	1
4.17	4.19	4.21	162987.7	12.664235			2
4.35	4.36	4.39	999839.8	19.632034			3
4.38	4.39	4.41	1057941	31.329662			4
+ 4.38	4.41	4.41	867370	25.686129			4
+ 4.87	4.87	4.91	6659.343	0.483191			5
4.87	4.90	4.91	1444437	104.805883			5

Height Summation: 4122173.6
Amount Avg CF: 40.475459 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9874411 MSD CFG T1302MSD ID: AC **Batchnumber:** 183050038A
Sample Amount: 30.2 g **Total Volume:** 10 ml **Analyst:** 2306 **SDG:** TID13 **State:** NY
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 05:04:03
 Instrument : CP35--24952A
 Result file : 35PEST18271026.085.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Analysis Report (B)

Injected on : Nov 14, 2018 05:04:03
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.085.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Toxaphene							
4.70	4.72	4.74	82101.34	16.759068	5	106.76	1
+ 4.70	4.74	4.74	16301.79	3.327629			1
4.86	4.87	4.90	6659.343	1.175835			2
+ 4.99	5.00	5.03	33547.74	5.601012			3
4.99	5.02	5.03	10706.16	1.787463			3
+ 5.21	5.21	5.25	60532.94	14.910766			4
5.21	5.22	5.25	56437.55	13.90197			4
+ 5.21	5.24	5.25	19117.72	4.709169			4
+ 5.27	5.27	5.31	2332514	365.450455			5
5.27	5.30	5.31	12072.58	1.891491			5
+ 5.27	5.31	5.31	9763.419	1.5297			5
Height Summation:				167976.973			
Amount Avg CF:				7.103165	Linear:		

Summary Report

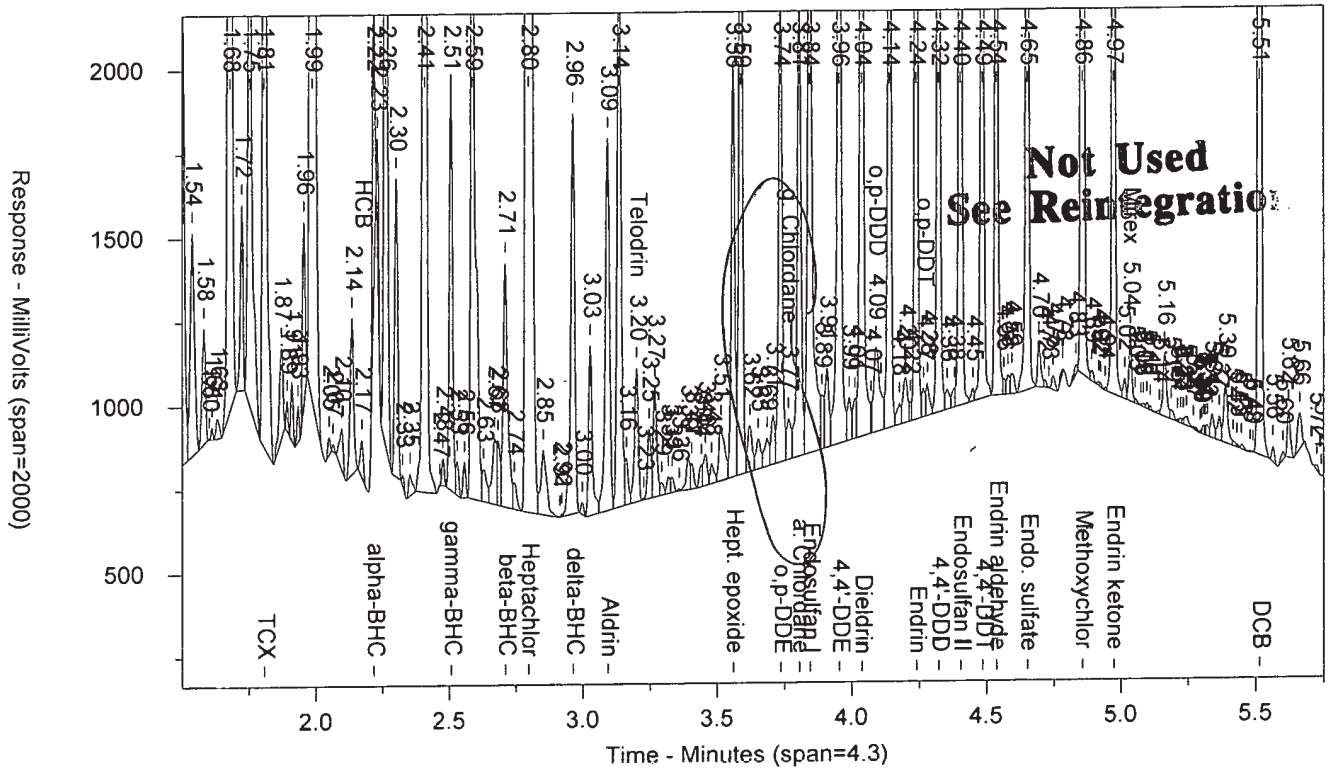
Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0	0	E	16.57	4	40	
Aroclor-1221			0	0	E	** 172.75	3	5	
Aroclor-1248			0	0	E	** 148.27	4	30	
Aroclor-1254			0	0	E	26.49	4	40	
Aroclor-1260			0	0	E	30.85	4	40	
Chiordane			18.8874	3.9735	E	** 68.07	4	40	
Toxaphene			32.7815	13.9073	E	** 189.22	4	40	

Units: ug/kg

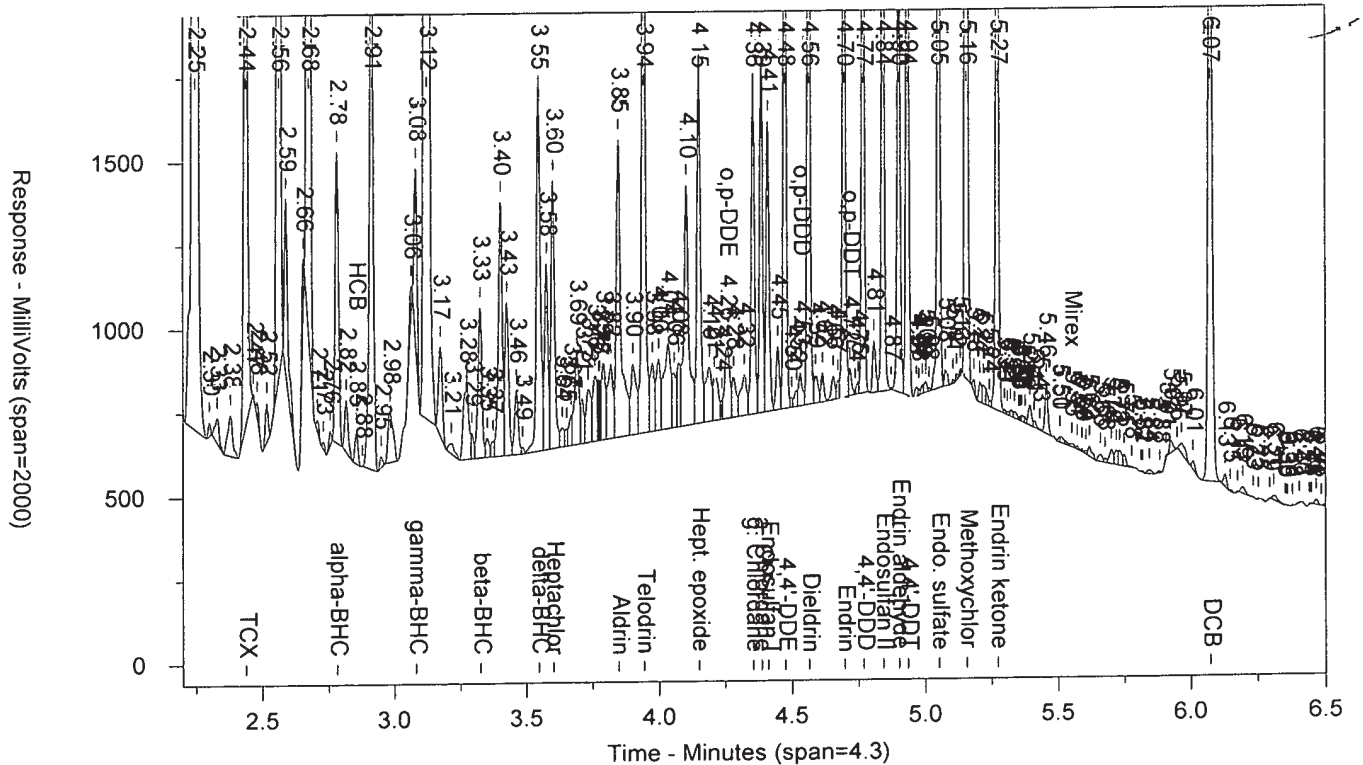
9874411MSD CFG ACT1302MSD MSD 183050038A 14587

SW-846 808

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\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.085.RAW



Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: 9874411MSD CFG ACT1302MSD MSD 183050038A 14587 SW-846 8081B
 Injected On: 11/14/2018 5:04:03 AM Sample Weight: 30.2
 Instrument ID: CP35-24952 Dilution Factor: 10
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

**Not Used
See Reintegration**

Threshold: 5
 Calibration Type: external
 Quantitation: Height

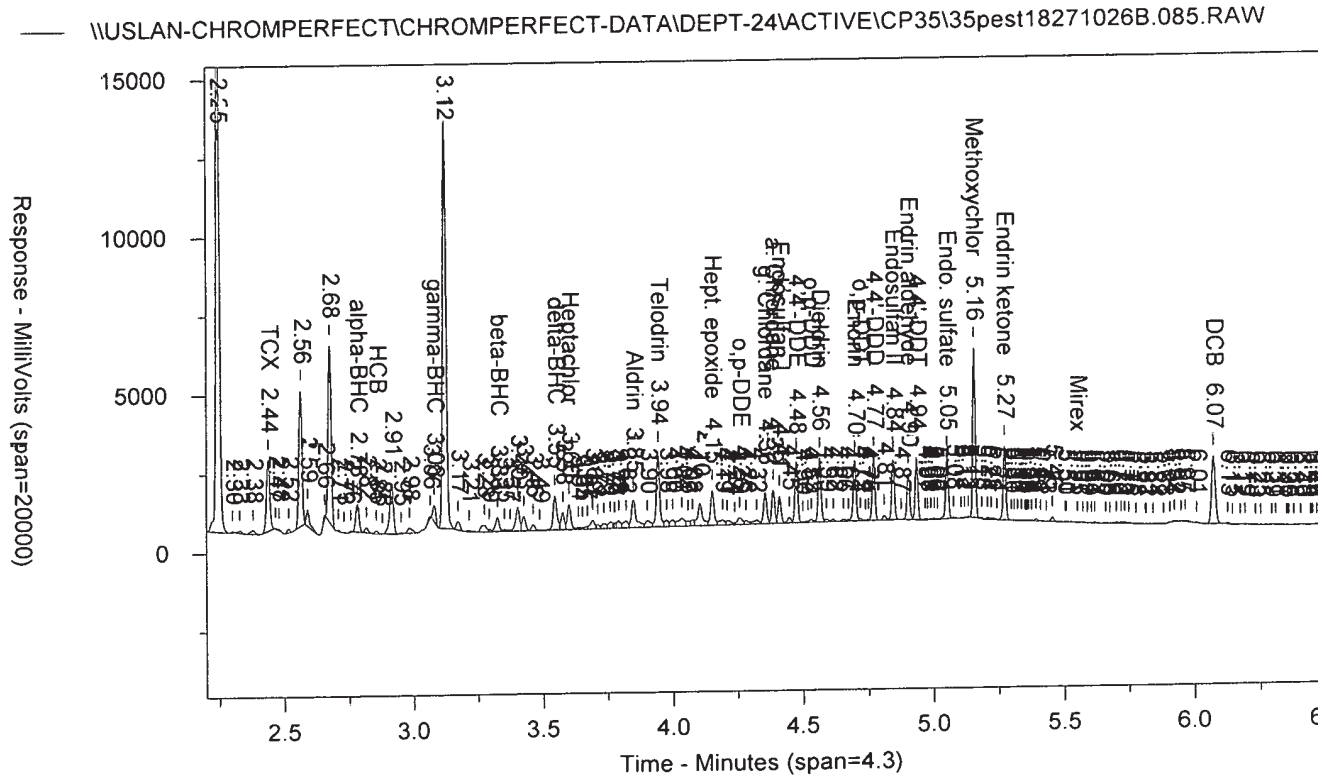
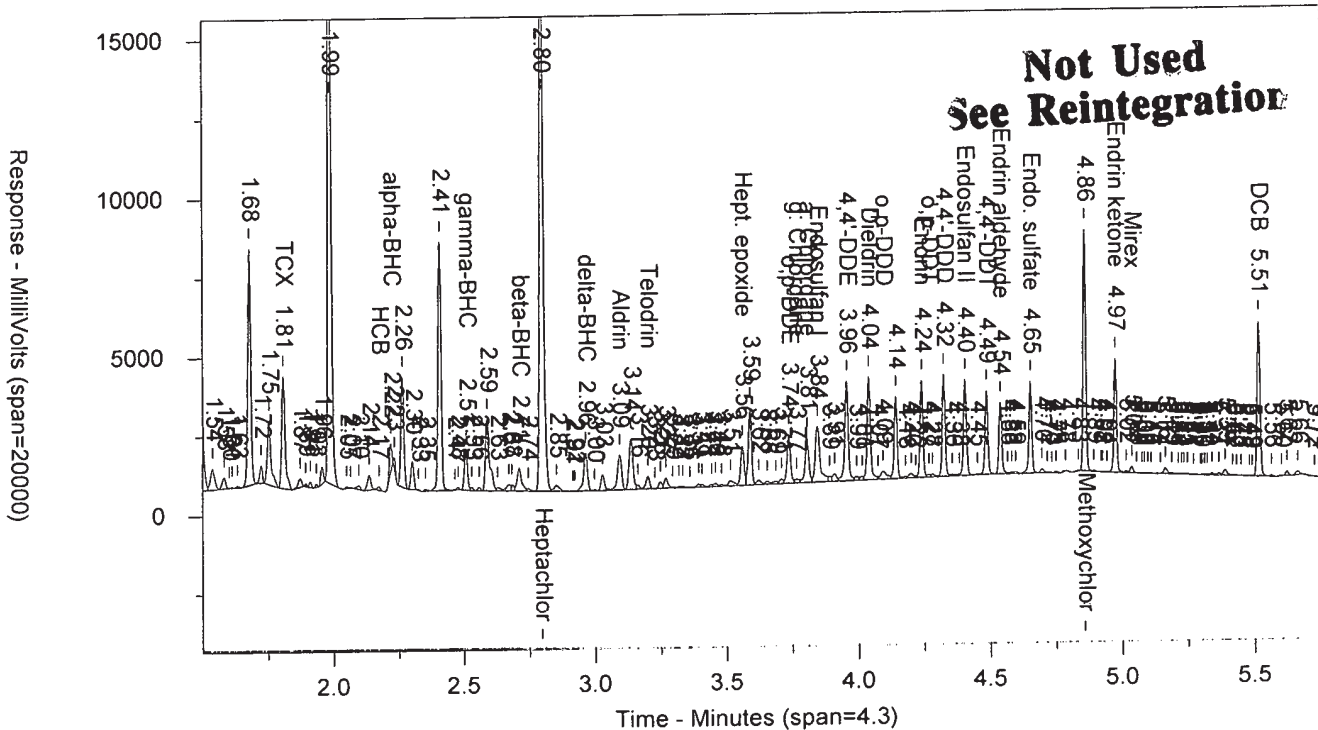
Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.808	3546320	8.057	TCX	2.438	2252738	6.104	TCX
2.173	111898	.19	HCB	2.855	89697	.17	HCB
2.218	865083	1.295	alpha-BHC	2.782	871145	1.734	alpha-BHC
2.508	1241295	2.193	gamma-BHC	3.081	526172	1.23	gamma-BHC
2.711	726568	2.989	beta-BHC	3.326	448326	2.233	beta-BHC
2.798	20040800	44.514	Heptachlor	3.601	801570	1.882	Heptachlor
2.964	1192976	2.221	delta-BHC	3.546	1092412	2.23	delta-BHC
3.093	1109413	2.171	Aldrin	3.848	889551	1.936	Aldrin
3.2	399710	1.06	Telodrin	3.943	2370440	7.729	Telodrin
3.56	1238165	2.453	Hept. epoxide	4.152	1104167	2.828	Hept. epoxide
3.736	1533554	4.188	o,p-DDE	4.257	212334	.623	o,p-DDE
3.766	121719	.217	g. Chlordane	4.355	999840	2.386	g. Chlordane
3.806	1403791	2.488	a. Chlordane	4.386	1057941	2.584	a. Chlordane
3.845	1754482	3.33	Endosulfan I	4.41	867370	2.227	Endosulfan I
3.956	3174150	5.554	4,4'-DDE	4.475	1935085	4.316	4,4'-DDE
4.038	3276200	5.666	Dieldrin	4.565	2029057	4.708	Dieldrin
4.092	251113	.66	o,p-DDD	4.532	97998	.241	o,p-DDD
4.24	3089644	6.003	Endrin	4.698	1873667	5.242	Endrin
4.267	85827	.156	o,p-DDT	4.719	82101	.15	o,p-DDT
4.323	3243008	6.36	4,4'-DDD	4.77	2018069	5.213	4,4'-DDD
4.404	3052948	5.755	Endosulfan II	4.844	1888815	5.041	Endosulfan II
4.485	2683640	7.429	4,4'-DDT	4.935	1975653	6.122	4,4'-DDT
4.538	2276269	5.057	Endrin aldehyde	4.903	1444437	4.749	Endrin aldehyde
4.652	2925352	6.378	Endo. sulfate	5.052	1936008	5.497	Endo. sulfate
4.857	7686848	40.159	Methoxychlor	5.157	5373229	31.319	Methoxychlor
4.973	3628157	6.463	Endrin ketone	5.273	2332514	5.725	Endrin ketone
5.036	198982	.505	Mirex	5.551	9000	-.547	Mirex
5.515	4928223	9.758	DCB	6.073	2137562	10.238	DCB

Files:

Area File: 35pest18271026.085.RAW
 Area File: 35pest18271026B.085.RAW
 Method A: 35PESTD.MET
 Method B: 35PESTD.B.MET
 Calibration File A: 35pest1827109.CAL
 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 11/14/2018 5:11:25 AM
 File Reported On: 11/14/2018 at 8:55:55 AM

9874411MSD CFG ACT1302MSD MSD 183050038A 14587 SW-846 81

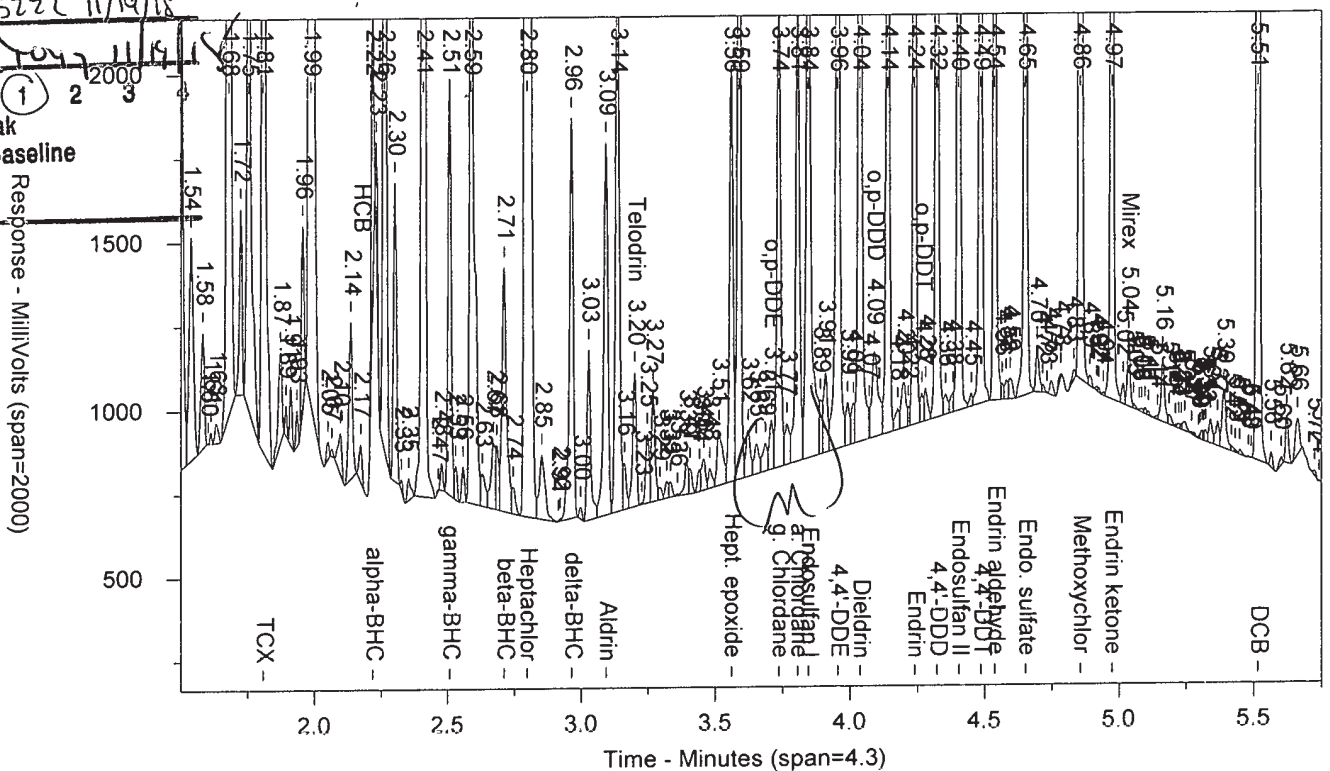


9874411MSD CFG ACT1302MSD MSD 183050038A 14587 SW-846 808
M = Manually Integrated \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026.085.BND

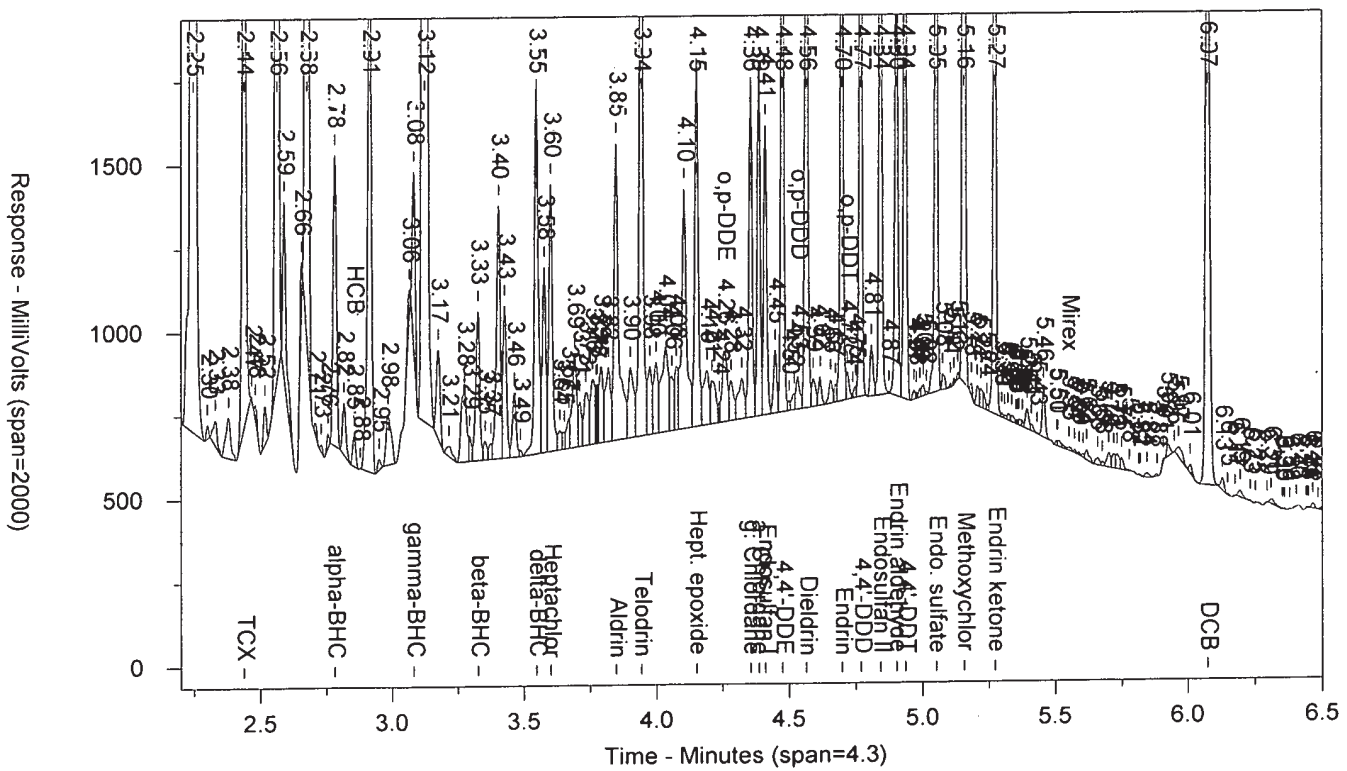
Analyst DIS 15222 11/19/18

Approved by [Signature]

- Circle Reason (1) 2 3 4
- 1 = Missed Peak
 - 2 = Improper Baseline
 - 3 = RT Update
 - 4 = Other



\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.085.BND



Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: 9874411MSD CFG ACT1302MSD MSD 183050038A 14587 SW-846 8081B
 Injected On: 11/14/2018 5:04:03 AM Sample Weight: 30.2
 Instrument ID: CP35-24952 Dilution Factor: 10
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

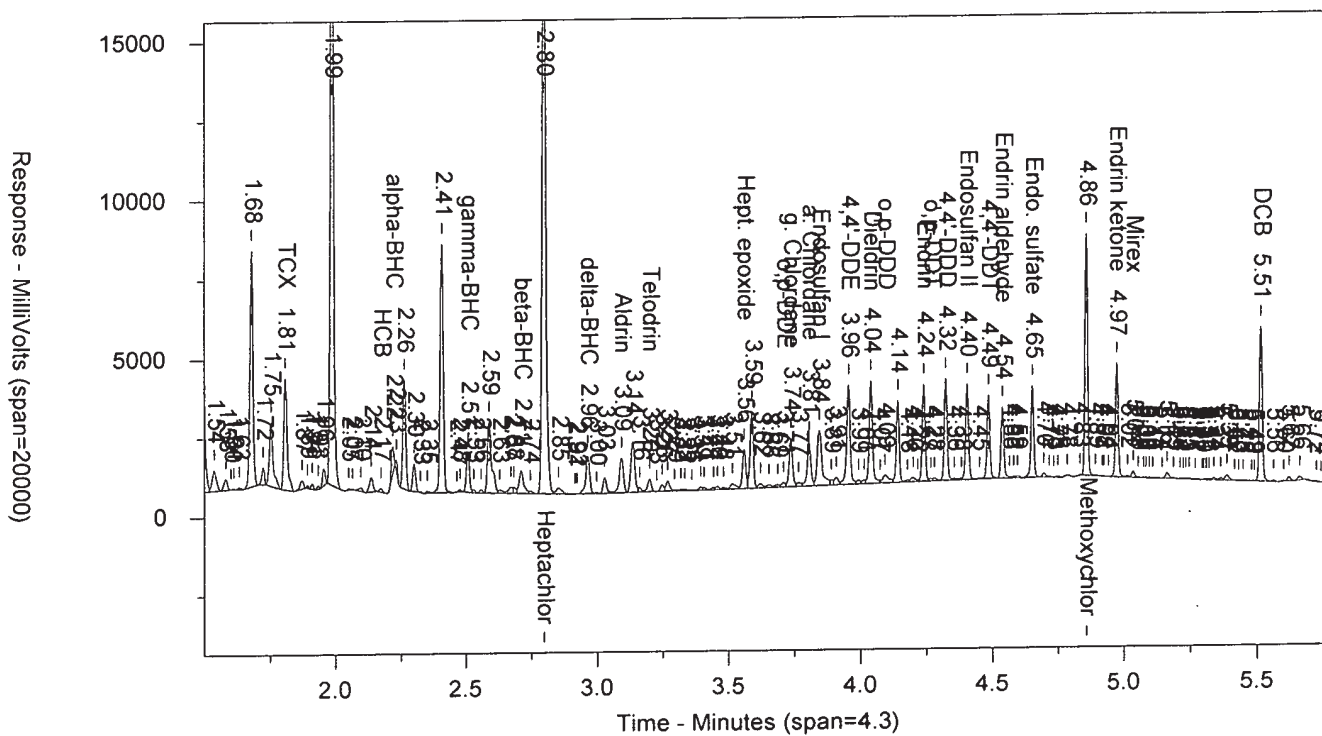
Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.808	3546320	8.057	TCX	2.438	2252738	6.104	TCX
2.173	111898	.19	HCB	2.855	89697	.17	HCB
2.218	865083	1.295	alpha-BHC	2.782	871145	1.734	alpha-BHC
2.508	1241295	2.193	gamma-BHC	3.081	526172	1.23	gamma-BHC
2.711	726568	2.989	beta-BHC	3.326	448326	2.233	beta-BHC
2.798	20040800	44.514	Heptachlor	3.601	801570	1.882	Heptachlor
2.964	1192976	2.221	delta-BHC	3.546	1092412	2.23	delta-BHC
3.093	1109413	2.171	Aldrin	3.848	889551	1.936	Aldrin
3.2	399710	1.06	Telodrin	3.943	2370440	7.729	Telodrin
3.56	1238165	2.453	Hept. epoxide	4.152	1104167	2.828	Hept. epoxide
3.708	147109	.259	o,p-DDE	4.257	212334	.623	o,p-DDE
3.736	1533554	2.738	g. Chlordane	4.355	999840	2.386	g. Chlordane
3.806	1403791	2.488	a. Chlordane	4.386	1057941	2.584	a. Chlordane
3.845	1754482	3.33	Endosulfan I	4.41	867370	2.227	Endosulfan I
3.956	3174150	5.554	4,4'-DDE	4.475	1935085	4.316	4,4'-DDE
4.038	3276200	5.666	Dieldrin	4.565	2029057	4.708	Dieldrin
4.092	251113	.66	o,p-DDD	4.532	97998	.241	o,p-DDD
4.24	3089644	6.003	Endrin	4.698	1873667	5.242	Endrin
4.267	85827	.156	o,p-DDT	4.719	82101	.15	o,p-DDT
4.323	3243008	6.36	4,4'-DDD	4.77	2018069	5.213	4,4'-DDD
4.404	3052948	5.755	Endosulfan II	4.844	1888815	5.041	Endosulfan II
4.485	2683640	7.429	4,4'-DDT	4.935	1975653	6.122	4,4'-DDT
4.538	2276269	5.057	Endrin aldehyde	4.903	1444437	4.749	Endrin aldehyde
4.652	2925352	6.378	Endo. sulfate	5.052	1936008	5.497	Endo. sulfate
4.857	7686848	40.159	Methoxychlor	5.157	5373229	31.319	Methoxychlor
4.973	3628157	6.463	Endrin ketone	5.273	2332514	5.725	Endrin ketone
5.036	198982	.505	Mirex	5.551	9000	-.547	Mirex
5.515	4928223	9.758	DCB	6.073	2137562	10.238	DCB

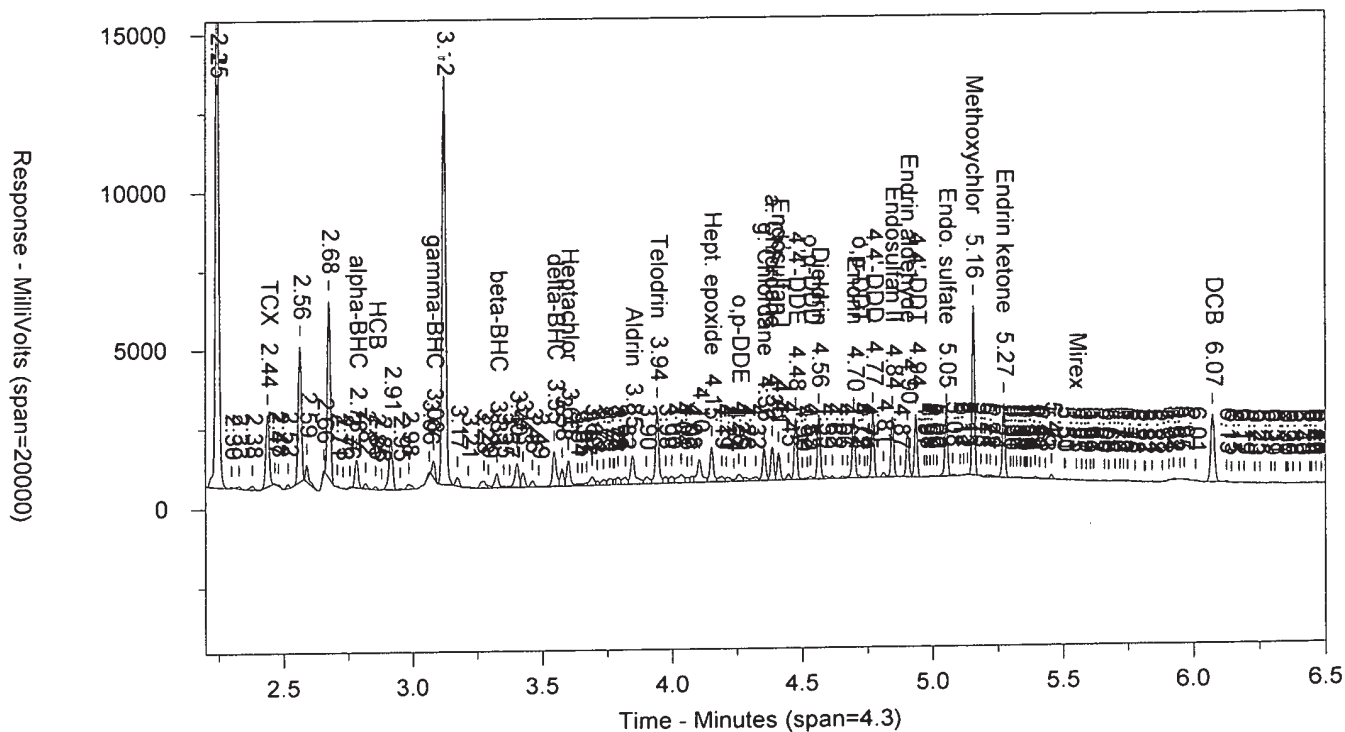
Files:

Area File: 35pest18271026.085.BND
 Area File: 35pest18271026B.085.BND
 Method A: 35PESTD.MET
 Method B: 35PESTD.B.MET
 Calibration File A: 35pest1827109.CAL
 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 11/19/2018 10:11:37 AM
 File Reported On: 11/19/2018 at 10:12:11 AM

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\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.085.BND



Data Summary

Sample Name: LCSA 11/2/18 CFG LCS38305 LCS Sample ID: AC Batchnumber: 183050038A
Sample Amount: 30 g Total Volume: 10 ml Analyst: 15222 SDG: State:
Analyses: 14587

Analysis Report (A)

Injected on Nov 14, 2018 03:29:33
Instrument 24952A
Result file 35PEST18271026.076.RAW
Calibration file 35PEST1827109
Method file 35PESTD

%SSR(TCX) 92% (26 - 145) Conc: 9.222289
 %SSR(DCB) 112% (39 - 152) Conc: 11.15351

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	1.79	1.81	1.83	4032505	9.222289
HCB	2.14	2.15	2.18	723	0
Alpha BHC	2.20	2.22	2.24	1993519	3.004893
Gamma BHC - Lindane	2.49	2.51	2.53	1710404	3.041905
Beta BHC	2.69	2.71	2.73	779331	3.231317
Heptachlor	2.79	2.81	2.83	1354768	3.029263
Delta BHC	2.94	2.96	2.98	1659924	3.11082
Aldrin	3.07	3.09	3.11	1443615	2.843923
Telodrin	3.18	3.22	3.22	12625	0
Heptachlor Epoxide	3.54	3.56	3.58	1575037	3.141536
o,p-DDE	3.73	3.71	3.77	87015	0.089511
Gamma Chlordane	3.73	3.74	3.77	1724624	3.099812
Alpha Chlordane	3.79	3.80	3.83	1649340	2.943138
Endosulfan I	3.82	3.84	3.86	1583533	3.025989
p,p-DDE	3.94	3.96	3.98	3417978	6.020564
Dieldrin	4.02	4.04	4.06	3725210	6.485898
o,p-DDD	4.07	4.09	4.11	53089	0.039991
Endrin	4.22	4.24	4.26	3489044	6.824672
o,p-DDT	4.25	4.26	4.29	38580	0.019153
p,p-DDD	4.30	4.32	4.34	3427052	6.770824
Endosulfan II	4.39	4.40	4.43	3342212	6.342698
p,p-DDT	4.47	4.49	4.51	2945892	8.209448
Endrin Aldehyde	4.52	4.54	4.56	2583380	5.777606
Endosulfan Sulfate	4.63	4.65	4.67	3335934	7.317534
Methoxychlor	4.84	4.86	4.88	7901428	41.52913
Endrin Ketone	4.95	4.97	4.99	3952480	7.093297
Mirex	5.03	5.05	5.06	1965	0.005024
Decachlorobiphenyl	5.49	5.51	5.55	5600942	11.15351

Analysis Report (B)

Injected on Nov 14, 2018 03:29:33
Instrument 24952B
Result file 35PEST18271026B.076.RAW
Calibration file 35PEST1827109B
Method file 35PESTD

%SSR(TCX) 89% (26 - 145) Conc: 8.980149
 %SSR(DCB) 119% (39 - 152) Conc: 11.79785

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.42	2.44	2.46	3292266	8.980149
Alpha BHC	2.76	2.78	2.80	1416066	2.836708
HCB	2.85	2.86	2.89	7157	0
Gamma BHC - Lindane	3.06	3.08	3.10	1210429	2.847732
Beta BHC	3.31	3.32	3.35	611499	3.093798
Delta BHC	3.53	3.54	3.57	1412746	2.903192
Heptachlor	3.58	3.60	3.62	1104380	2.610513
Aldrin	3.83	3.85	3.87	1235594	2.707118
Telodrin	3.92	3.94	3.96	47746	0.083943
Heptachlor Epoxide	4.13	4.15	4.17	1210501	3.128903
o,p-DDE	4.24	4.26	4.28	117817	0.266929
Gamma Chlordane	4.34	4.35	4.38	1290558	3.111557
Alpha Chlordane	4.37	4.39	4.41	1228228	3.030223
Endosulfan I	4.39	4.41	4.43	1153869	3.001198
p,p-DDE	4.46	4.47	4.50	2576145	5.784452
o,p-DDD	4.52	4.53	4.56	38636	0
Dieldrin	4.55	4.56	4.59	2524342	5.896034
Endrin	4.69	4.70	4.71	2291769	6.4677
p,p-DDD	4.75	4.77	4.79	2401058	6.260303
Endosulfan II	4.83	4.84	4.86	2275146	6.130824
Endrin Aldehyde	4.89	4.90	4.93	1701737	5.643944
p,p-DDT	4.92	4.93	4.96	2189739	6.831152
Endosulfan Sulfate	5.04	5.05	5.07	2264691	6.486246
Methoxychlor	5.14	5.16	5.18	5522782	32.40532
Endrin Ketone	5.26	5.27	5.30	2673616	6.618182
Mirex	5.53	5.54	5.57	6820	0
Decachlorobiphenyl	6.05	6.07	6.11	2442894	11.79785

Single Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	Comments
<input type="checkbox"/> Tetrachloro-m-xylene	A	9.222289	0.5	1	1		2.66	
<input type="checkbox"/> Tetrachloro-m-xylene-D1	A	9.222289	0.5	1	1			
<input type="checkbox"/> Tetrachloro-m-xylene-D2	B	8.980149	0.5	1	1			
<input type="checkbox"/> HCB			<0.21	<0.5	<0.83			
<input type="checkbox"/> Alpha BHC	A	3.004893	0.17	0.6	0.83		5.76	
<input type="checkbox"/> Gamma BHC - Lindane	A	3.041905	0.21	0.6	0.83		6.59	
<input type="checkbox"/> Beta BHC	A	3.231317	0.44	0.9	1		4.35	
<input type="checkbox"/> Heptachlor	A	3.029263	0.31	0.62	0.83		14.85	
<input type="checkbox"/> Delta BHC	A	3.11082	0.45	0.9	1		6.90	
<input type="checkbox"/> Aldrin	A	2.843923	0.17	0.6	0.83		4.93	
<input type="checkbox"/> Telodrin					<1.2			
<input type="checkbox"/> Heptachlor Epoxide	A	3.141536	0.17	0.6	0.83		0.40	
<input type="checkbox"/> o,p-DDE			<0.33	<0.9	<1.7			
<input type="checkbox"/> Gamma Chlordane	B	3.111557	0.25	0.6	0.83		0.38	

Reviewed and digitally signed by Dylan Schreiner on 11/19/2018 10:41:06

Data Summary

Sample Name: LCSEA 11/2/18 CFG LCS38305 LCS Sample ID: AC Batchnumber: 183050038A
Sample Amount: 30 g Total Volume: 10 ml Analyst: 15222 SDG: State:
Analyses: 14587

Analysis Report (A)

Injected on Nov 14, 2018 03:29:33
Instrument 24952A
Result file 35PEST18271026.076.RAW
Calibration file 35PEST1827109
Method file 35PESTD

Analysis Report (B)

Injected on Nov 14, 2018 03:29:33
Instrument 24952B
Result file 35PEST18271026B.076.RAW
Calibration file 35PEST1827109B
Method file 35PESTD

Single Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	Comments
<input type="checkbox"/> Alpha Chlordane	B	3.030223	0.17	0.6	0.83		2.92	
<input type="checkbox"/> Endosulfan I	A	3.025989	0.22	0.6	0.83		0.82	
<input type="checkbox"/> p,p-DDE	A	6.020564	0.33	1.2	1.7		4.00	
<input type="checkbox"/> Dieldrin	A	6.485898	0.33	1.2	1.7		9.53	
<input type="checkbox"/> o,p-DDD			<0.33	<0.9	<1.7			
<input type="checkbox"/> Endrin	A	6.824672	0.68	1.4	1.7		5.37	
<input type="checkbox"/> o,p-DDT			<0.33	<0.9	<1.7			
<input type="checkbox"/> p,p-DDD	A	6.770824	0.33	1.2	1.7		7.84	
<input type="checkbox"/> Endosulfan II	A	6.342698	1.1	2.2	2.3		3.40	
<input type="checkbox"/> p,p-DDT	A	8.209448	0.79	1.6	1.7		18.33	
<input type="checkbox"/> Endrin Aldehyde	A	5.777606	0.33	1.2	1.7		2.34	
<input type="checkbox"/> Endosulfan Sulfate	A	7.317534	0.33	1.2	1.7		12.04	
<input type="checkbox"/> Methoxychlor	B	32.40532	1.8	6.5	6.7		24.68	
<input type="checkbox"/> Endrin Ketone	A	7.093297	0.6	1.8	2		6.93	
<input type="checkbox"/> Mirex			<0.35	<0.7	<1.7			
<input type="checkbox"/> Decachlorobiphenyl	B	11.79785	0.5	1	1		5.61	
<input type="checkbox"/> Decachlorobiphenyl-D1	A	11.15351	0.5	1	1			
<input type="checkbox"/> Decachlorobiphenyl-D2	B	11.79785	0.5	1	1			

Multiple Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	Hits	Comments
<input type="checkbox"/> Chlordane			<4	<8	<17			4	No Req.
<input type="checkbox"/> Toxaphene			<14	<28	<33			4	

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100


 Valerie L. Tomayko
 Principal Specialist

NOV 19 2018

Reviewed and digitally signed by Dylan Schreiner on 11/19/2018 10:41:06

Data Summary

Sample Name: LCSA 11/2/18 CFG LCS38305 LCS Sample ID: AC Batchnumber: 183050038A
Sample Amount: 30 g Total Volume: 10 ml Analyst: 15222 SDG: State:
Analyses: 14587

Analysis Report (A)

Injected on Nov 14, 2018 03:29:33
Instrument 24952A
Result file 35PEST18271026.076.RAW
Calibration file 35PEST1827109
Method file 35PESTD

%SSR(TCX) 92% (42 - 129) Conc: 9.222289
 %SSR(DCB) 112% (39 - 152) Conc: 11.15351

Analysis Report (B)

Injected on Nov 14, 2018 03:29:33
Instrument 24952B
Result file 35PEST18271026B.076.RAW
Calibration file 35PEST1827109B
Method file 35PESTDDB

%SSR(TCX) 89% (42 - 129) Conc: 8.980149
 %SSR(DCB) 119% (39 - 152) Conc: 11.79785

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	1.79	1.81	1.83	4032505	9.222289	Tetrachloro-m-xylene	2.42	2.44	2.46	3292266	8.980149
HCB	2.14	2.15	2.18	723	0	Alpha BHC	2.76	2.78	2.80	1416066	2.836708
Alpha BHC	2.20	2.22	2.24	1993519	3.004893	HCB	2.85	2.86	2.89	7157	0
Gamma BHC - Lindane	2.49	2.51	2.53	1710404	3.041905	Gamma BHC - Lindane	3.06	3.08	3.10	1210429	2.847732
Beta BHC	2.69	2.71	2.73	779331	3.231317	Beta BHC	3.31	3.32	3.35	611499	3.093798
Heptachlor	2.79	2.81	2.83	1354768	3.029263	Delta BHC	3.53	3.54	3.57	1412746	2.903192
Delta BHC	2.94	2.96	2.98	1659924	3.11082	Heptachlor	3.58	3.60	3.62	1104380	2.610513
Aldrin	3.07	3.09	3.11	1443615	2.843923	Aldrin	3.83	3.85	3.87	1235594	2.707118
Telodrin	3.18	3.22	3.22	12625	0	Telodrin	3.92	3.94	3.96	47746	0.083943
Heptachlor Epoxide	3.54	3.56	3.58	1575037	3.141536	Heptachlor Epoxide	4.13	4.15	4.17	1210501	3.128903
o,p-DDE	3.73	3.71	3.77	87015	0.089511	o,p-DDE	4.24	4.26	4.28	117817	0.266929
Gamma Chlordane	3.73	3.74	3.77	1724624	3.099812	Gamma Chlordane	4.34	4.35	4.38	1290558	3.111557
Alpha Chlordane	3.79	3.80	3.83	1649340	2.943138	Alpha Chlordane	4.37	4.39	4.41	1228228	3.030223
Endosulfan I	3.82	3.84	3.86	1583533	3.025989	Endosulfan I	4.39	4.41	4.43	1153869	3.001198
p,p-DDE	3.94	3.96	3.98	3417978	6.020564	p,p-DDE	4.46	4.47	4.50	2576145	5.784452
Dieldrin	4.02	4.04	4.06	3725210	6.485898	o,p-DDD	4.52	4.53	4.56	38636	0
o,p-DDD	4.07	4.09	4.11	53089	0.039991	Dieldrin	4.55	4.56	4.59	2524342	5.896034
Endrin	4.22	4.24	4.26	3489044	6.824672	Endrin	4.69	4.70	4.71	2291769	6.4677
o,p-DDT	4.25	4.26	4.29	38580	0.019153	p,p-DDD	4.75	4.77	4.79	2401058	6.260303
p,p-DDD	4.30	4.32	4.34	3427052	6.770824	Endosulfan II	4.83	4.84	4.86	2275146	6.130824
Endosulfan II	4.39	4.40	4.43	3342212	6.342698	Endrin Aldehyde	4.89	4.90	4.93	1701737	5.643944
p,p-DDI	4.47	4.49	4.51	2945892	8.209448	p,p-DDI	4.92	4.93	4.96	2189739	6.831152
Endrin Aldehyde	4.52	4.54	4.56	2583380	5.777606	Endosulfan Sulfate	5.04	5.05	5.07	2264691	6.486246
Endosulfan Sulfate	4.63	4.65	4.67	3335934	7.317534	Methoxychlor	5.14	5.16	5.18	5522782	32.40532
Methoxychlor	4.84	4.86	4.88	7901428	41.52913	Endrin Ketone	5.26	5.27	5.30	2673616	6.618182
Endrin Ketone	4.95	4.97	4.99	3952480	7.093297	Mirex	5.53	5.54	5.57	6820	0
Mirex	5.03	5.05	5.06	1965	0.005024	Decachlorobiphenyl	6.05	6.07	6.11	2442894	11.79785
Decachlorobiphenyl	5.49	5.51	5.55	5600942	11.15351						

Single Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	Comments
<input type="checkbox"/> Tetrachloro-m-xylene	A	9.222289	0.5	1	1		2.66	
<input type="checkbox"/> Tetrachloro-m-xylene-D1	A	9.222289	0.5	1	1			
<input type="checkbox"/> Tetrachloro-m-xylene-D2	B	8.980149	0.5	1	1			
<input type="checkbox"/> HCB			<0.21	<0.5	<0.83			
<input type="checkbox"/> Alpha BHC	A	3.004893	0.17	0.6	0.83		5.76	
<input type="checkbox"/> Gamma BHC - Lindane	A	3.041905	0.21	0.6	0.83		6.59	
<input type="checkbox"/> Beta BHC	A	3.231317	0.44	0.9	1		4.35	
<input type="checkbox"/> Heptachlor	A	3.029263	0.31	0.62	0.83		14.85	
<input type="checkbox"/> Delta BHC	A	3.11082	0.45	0.9	1		6.90	
<input type="checkbox"/> Aldrin	A	2.843923	0.17	0.6	0.83		4.93	
<input type="checkbox"/> Telodrin					<1.2			
<input type="checkbox"/> Heptachlor Epoxide	A	3.141536	0.17	0.6	0.83		0.40	
<input type="checkbox"/> o,p-DDE			<0.33	<0.9	<1.7			
<input type="checkbox"/> Gamma Chlordane	B	3.111557	0.25	0.6	0.83		0.38	

Reviewed and digitally signed by Dylan Schreiner on 11/19/2018 10:41:11

Data Summary

Sample Name: **LCSA** 11/2/18 CFG LCS38305 LCS Sample ID: AC Batchnumber: 183050038A
 Sample Amount: 30 g Total Volume: 10 ml Analyst: 15222 SDG: State:
 Analyses: 14587

Analysis Report (A)

Injected on Nov 14, 2018 03:29:33
 Instrument 24952A
 Result file 35PEST18271026.076.RAW
 Calibration file 35PEST1827109
 Method file 35PESTD

Analysis Report (B)

Injected on Nov 14, 2018 03:29:33
 Instrument 24952B
 Result file 35PEST18271026B.076.RAW
 Calibration file 35PEST1827109B
 Method file 35PESTD

Single Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	Comments
<input type="checkbox"/> Alpha Chlordane	B	3.030223	0.17	0.6	0.83		2.92	
<input type="checkbox"/> Endosulfan I	A	3.025989	0.22	0.6	0.83		0.82	
<input type="checkbox"/> p,p-DDE	A	6.020564	0.33	1.2	1.7		4.00	
<input type="checkbox"/> Dieldrin	A	6.485898	0.33	1.2	1.7		9.53	
<input type="checkbox"/> o,p-DDD			<0.33	<0.9	<1.7			
<input type="checkbox"/> Endrin	A	6.824672	0.68	1.4	1.7		5.37	
<input type="checkbox"/> o,p-DDT			<0.33	<0.9	<1.7			
<input type="checkbox"/> p,p-DDD	A	6.770824	0.33	1.2	1.7		7.84	
<input type="checkbox"/> Endosulfan II	A	6.342698	1.1	2.2	2.3		3.40	
<input type="checkbox"/> p,p-DDT	A	8.209448	0.79	1.6	1.7		18.33	
<input type="checkbox"/> Endrin Aldehyde	A	5.777606	0.33	1.2	1.7		2.34	
<input type="checkbox"/> Endosulfan Sulfate	A	7.317534	0.33	1.2	1.7		12.04	
<input type="checkbox"/> Methoxychlor	B	32.40532	1.8	6.5	6.7		24.68	
<input type="checkbox"/> Endrin Ketone	A	7.093297	0.6	1.8	2		6.93	
<input type="checkbox"/> Mirex			<0.35	<0.7	<1.7			
<input type="checkbox"/> Decachlorobiphenyl	B	11.79785	0.5	1	1		5.61	
<input type="checkbox"/> Decachlorobiphenyl-D1	A	11.15351	0.5	1	1			
<input type="checkbox"/> Decachlorobiphenyl-D2	B	11.79785	0.5	1	1			

Multiple Component Summary

Compound Name	Column	Amount Found	DL	LOD	LOQ	Qualifiers	%RPD	No Req. Hits	Comments
<input type="checkbox"/> Chlordane			<4	<8	<17			4	
<input type="checkbox"/> Toxaphene			<14	<28	<33			4	

Units: ug/kg

%RPD = High - Low Amount divided by the Average times 100

Valerie L. Tomayto
 Valerie L. Tomayto
 Principal Specialist

NOV 19 2018

Eurofins Lancaster Laboratories-Single Component Data Summary

Sample Name: LCSA 11/2/18 CFG LCS38305 ID: AC **Batchnumber: 183050038A**
Sample Amount: 30 g **Total Volume:** 10 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 03:29:33
 Instrument : CP35--24952A
 Result file : 35PEST18271026.076.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.MET
 %SSR(TCX) : **92%** (26-145) Conc.: 9.222289
 %SSR(DCB) : 112% (39-152) Conc.: 11.15351

Analysis Report (B)

Injected on : Nov 14, 2018 03:29:33
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.076.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDDB.MET
 %SSR(TCX) : **89%** (26-145) Conc.: 8.980149
 %SSR(DCB) : **119%** (39-152) Conc.: 11.79785

Peak name	Min	R.T.	Max	Height	Amount
TCX	1.79	1.81	1.83	4032505	9.222289
HCB	2.14	2.15	2.18	723	-0.049189
alpha-BHC	2.20	2.22	2.24	1993519	3.004893
gamma-BHC	2.49	2.51	2.53	1710404	3.041905
beta-BHC	2.69	2.71	2.73	779331	3.231317
Heptachlor	2.79	2.81	2.83	1354768	3.029263
delta-BHC	2.94	2.96	2.98	1659924	3.110820
Aldrin	3.07	3.09	3.11	1443615	2.843923
Telodrin	3.18	3.22	3.22	12625	-0.013071
Hept. epoxide	3.54	3.56	3.58	1575037	3.141536
o,p-DDE	3.73	3.71	3.77	87015	0.089511
g. Chlordane	3.73	3.74	3.77	1724624	3.099812
a. Chlordane	3.79	3.80	3.83	1649340	2.943138
Endosulfan I	3.82	3.84	3.86	1583533	3.025989
4,4'-DDE	3.94	3.96	3.98	3417978	6.020564
Dieldrin	4.02	4.04	4.06	3725210	6.485898
o,p-DDD	4.07	4.09	4.11	53089	0.039991
Endrin	4.22	4.24	4.26	3489044	6.824672
o,p-DDT	4.25	4.26	4.29	38580	0.019153
4,4'-DDD	4.30	4.32	4.34	3427052	6.770824
Endosulfan II	4.39	4.40	4.43	3342212	6.312608
4,4'-DDT	4.47	4.49	4.51	2945892	8.209448
Endrin aldehyde	4.52	4.54	4.56	2583380	5.777606
Endo. sulfate	4.63	4.65	4.67	3335934	7.317534
Methoxychlor	4.84	4.86	4.88	7901428	41.529130
Endrin ketone	4.95	4.97	4.99	3952480	7.093297
Mirex	5.03	5.05	5.06	1965	0.005024
DCB	5.49	5.51	5.55	5600942	11.153510

Peak name	Min	R.T.	Max	Height	Amount
TCX	2.42	2.44	2.46	3292266	8.980149
alpha-BHC	2.76	2.78	2.80	1416066	2.836708
HCB	2.85	2.86	2.89	7157	-0.045545
gamma-BHC	3.06	3.08	3.10	1210429	2.847732
beta-BHC	3.31	3.32	3.35	611499	3.093798
delta-BHC	3.53	3.54	3.57	1412746	2.903192
Heptachlor	3.58	3.60	3.62	1104380	2.610513
Aldrin	3.83	3.85	3.87	1235594	2.707118
Telodrin	3.92	3.94	3.96	47746	0.083943
Hept. epoxide	4.13	4.15	4.17	1210501	3.128903
o,p-DDE	4.24	4.26	4.28	117817	0.266929
g. Chlordane	4.34	4.35	4.38	1290558	3.111557
a. Chlordane	4.37	4.39	4.41	1228228	3.030223
Endosulfan I	4.39	4.41	4.43	1153869	3.001198
4,4'-DDE	4.46	4.47	4.50	2576145	5.784452
o,p-DDD	4.52	4.53	4.56	38636	-0.011504
Dieldrin	4.55	4.56	4.59	2524342	5.896034
Endrin	4.69	4.70	4.71	2291769	6.467700
4,4'-DDD	4.75	4.77	4.79	2401058	6.260303
Endosulfan II	4.83	4.84	4.86	2275146	6.130824
Endrin aldehyde	4.80	4.00	4.03	1701737	5.643944
4,4'-DDT	4.92	4.93	4.96	2189739	6.831152
Endo. sulfate	5.04	5.05	5.07	2264691	6.486246
Methoxychlor	5.14	5.16	5.18	5527787	32.405320
Endrin ketone	5.26	5.27	5.30	2673616	6.618182
Mirex	5.53	5.54	5.57	6820	-0.562814
DCB	6.05	6.07	6.11	2442894	11.797850

Summary Report

Compound Name	Column	Amount Found	LOQ	DL	Qualifiers	%RPD	Comments
<input checked="" type="checkbox"/> TCX	A	9.222289	1	0.5		2.66	
<input checked="" type="checkbox"/> HCB			<0.83	<0.21			
<input checked="" type="checkbox"/> alpha-BHC	A	3.004893	0.83	0.17		5.76	
<input checked="" type="checkbox"/> gamma-BHC	A	3.041905	0.83	0.21		6.59	
<input checked="" type="checkbox"/> beta-BHC	A	3.231317	1	0.44		4.35	
<input checked="" type="checkbox"/> Heptachlor	A	3.029263	0.83	0.31		14.85	
<input checked="" type="checkbox"/> delta-BHC	A	3.110820	1	0.45		6.90	
<input checked="" type="checkbox"/> Aldrin	A	2.843923	0.83	0.17		4.93	
<input type="checkbox"/> Telodrin	A	-0.013071	<1.2			273.77	**
<input checked="" type="checkbox"/> Hept. epoxide	A	3.141536	0.83	0.17		0.40	
<input checked="" type="checkbox"/> o,p-DDE	A	0.089511	<1.7	<0.33		99.55	** LMDL
<input checked="" type="checkbox"/> g. Chlordane	B	3.111557	0.83	0.25		0.38	
<input checked="" type="checkbox"/> a. Chlordane	B	3.030223	0.83	0.17		2.92	
<input checked="" type="checkbox"/> Endosulfan I	A	3.025989	0.83	0.22		0.82	

%RPD = High - Low Amount divided by the Average times 100

Higher Amount Found unless RPD > 40

** %Difference > 40, lower amount found reported

* Recovery outside QC Limits

Eurofins Lancaster Laboratories-Single Component Data Summary

Sample Name: LCSA 11/2/18 CFG LCS38305 ID: AC **Batchnumber:** 183050038A
Sample Amount: 30 g **Total Volume:** 10 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 03:29:33
 Instrument : CP35--24952A
 Result file : 35PEST18271026.076.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Analysis Report (B)

Injected on : Nov 14, 2018 03:29:33
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.076.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTDDB.MET

Summary Report

Compound Name	Column	Amount Found	LOQ	DL	Qualifiers	%RPD	Comments
<input checked="" type="checkbox"/> 4,4'-DDE	A	6.020564	1.7	0.33		4.00	
<input checked="" type="checkbox"/> Dieldrin	A	6.485898	1.7	0.33		9.53	
<input checked="" type="checkbox"/> o,p-DDD	B	-0.011504	<1.7	<0.33		361.53	** DI LMDL
<input checked="" type="checkbox"/> Endrin	A	6.824672	1.7	0.68		5.37	
<input checked="" type="checkbox"/> o,p-DDT			<1.7	<0.33			
<input checked="" type="checkbox"/> 4,4'-DDD	A	6.770824	1.7	0.33		7.84	
<input checked="" type="checkbox"/> Endosulfan II	A	6.342698	2.3	1.1		3.40	
<input checked="" type="checkbox"/> 4,4'-DDT	A	8.209448	1.7	0.79		18.33	
<input checked="" type="checkbox"/> Endrin aldehyde	A	5.777606	1.7	0.33		2.34	
<input checked="" type="checkbox"/> Endo. sulfate	A	7.317534	1.7	0.33		12.04	
<input checked="" type="checkbox"/> Methoxychlor	(B) A	41.529130	6.7	1.8		24.68	DI CVS ↑
<input checked="" type="checkbox"/> Endrin ketone	A	7.093297	2	0.6		6.93	
<input checked="" type="checkbox"/> Mirex			<1.7	<0.35			
<input checked="" type="checkbox"/> DCB	B	11.797850	1	0.5			

Units: ug/kg

561
Valerie L. Tomayko
 Valerie L. Tomayko
 Principal Specialist

Reviewed by: DSS 15222
 Date: 11/19/18

Verified by: _____
 Date: NOV 19 2018

%RPD = High - Low Amount divided by the Average times 100

Higher Amount Found unless RPD > 40

** %Difference > 40, lower amount found reported

* Recovery outside QC Limits

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: LCSA 11/2/18 CFG LCS38305 ID: AC Batchnumber: 183050038A
Sample Amount: 30 g Total Volume: 10 ml Analyst: 2306 SDG: State:
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 03:29:33
Instrument : CP35--24952A
Result file : 35PEST18271026.076.RAW
Calibration file : 35PEST1827109.CAL
Method file : 35PESTD.MET
%SSR(TCX) : 92% (26-145) Conc.: 9.222289
%SSR(DCB) : 112% (39-152) Conc.: 11.15351

Table with columns: Min, R.T., Max, Height, Amount, Pks, %RSD, Peak. Data for Aroclor-1016, Aroclor-1221, Aroclor-1248.

Table with columns: Min, R.T., Max, Height, Amount, Pks, %RSD, Peak. Data for Aroclor-1254.

Table with columns: Min, R.T., Max, Height, Amount, Pks, %RSD, Peak. Data for Aroclor-1248.

Height Summation: 5360341.31
Amount Avg CF: 100.716045 Linear:

Table with columns: Min, R.T., Max, Height, Amount, Pks, %RSD, Peak. Data for Aroclor-1254.

Height Summation: 5277899.386
Amount Avg CF: 46.554048 Linear:

Analysis Report (B)

Injected on : Nov 14, 2018 03:29:33
Instrument : CP35--24952B
Result file : 35PEST18271026B.076.RAW
Calibration file : 35PEST1827109B.CAL
Method file : 35PESTD.MET
%SSR(TCX) : 89% (26-145) Conc.: 8.980149
%SSR(DCB) : 119% (39-152) Conc.: 11.79785

Table with columns: Min, R.T., Max, Height, Amount, Pks, %RSD, Peak. Data for Aroclor-1016, Aroclor-1221, Aroclor-1248.

Table with columns: Min, R.T., Max, Height, Amount, Pks, %RSD, Peak. Data for Aroclor-1221, Aroclor-1248.

Table with columns: Min, R.T., Max, Height, Amount, Pks, %RSD, Peak. Data for Aroclor-1248.

Height Summation: 96867.178
Amount Avg CF: 1.629386 Linear:

Table with columns: Min, R.T., Max, Height, Amount, Pks, %RSD, Peak. Data for Aroclor-1254.

Height Summation: 6824787.921
Amount Avg CF: 72.978045 Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: LCSA 11/2/18 CFG LCS38305 ID: AC **Batchnumber:** 183050038A
Sample Amount: 30 g **Total Volume:** 10 ml **Analyst:** 2306 **SDG:** **State:**
Analyses: 14587

Analysis Report (A)

Injected on : Nov 14, 2018 03:29:33
 Instrument : CP35--24952A
 Result file : 35PEST18271026.076.RAW
 Calibration file : 35PEST1827109.CAL
 Method file : 35PESTD.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
4.10	4.14	4.16	18510.65	0.743783	6	111.75	1
E 4.21	4.24	4.27	3489044	117.527098			2
+ 4.21	4.26	4.27	38580.42	1.299567			2
4.42	4.44	4.48	7868.276	0.269084			3
E 4.60	4.65	4.66	3335934	159.152752			4
4.72	4.75	4.78	10933.11	0.232896			5
+ 4.72	4.76	4.78	18720.18	0.398776			5
E 4.91	4.97	4.97	3952480	111.38536			6
Height Summation:			10814770.036				
Amount Avg CF:			64.885162	Linear:			

Chlordane							
+ 2.64	2.64	2.68	6799.198	0.456491	4	122.56	1
2.64	2.67	2.68	12499.59	0.83921			1
3.72	3.74	3.76	1724624	32.889519			3
3.79	3.80	3.83	1649340	38.728259			4
E 4.40	4.40	4.44	3342212	167.151071			5
Height Summation:			6728675.59				
Amount Avg CF:			59.902015	Linear:			

Toxaphene							
4.35	4.38	4.39	28524.07	3.714421	5	144.58	1
4.40	4.40	4.44	3342212	470.224388			2
4.57	4.60	4.61	10879.81	1.571457			3
4.78	4.78	4.82	34419.95	6.8159			4
E 4.85	4.86	4.89	7901428	867.79341			5
Height Summation:			11317463.83				
Amount Avg CF:			270.023915	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2018 03:29:33
 Instrument : CP35--24952B
 Result file : 35PEST18271026B.076.RAW
 Calibration file : 35PEST1827109B.CAL
 Method file : 35PESTD.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260							
+ 4.61	4.62	4.67	5801.15	0.333348	6	109.28	1
4.61	4.64	4.67	1661.304	0.095462			1
+ 4.61	4.66	4.67	14395.97	0.827226			1
E 4.76	4.77	4.82	2401058	109.910472			2
+ 4.76	4.81	4.82	32826.31	1.502652			2
E 4.91	4.93	4.97	2189739	93.212254			3
+ 4.91	4.96	4.97	9649.438	0.410755			3
5.08	5.09	5.14	18461.62	1.570884			4
E 5.23	5.27	5.29	2673616	85.583044			5
5.38	5.42	5.44	5594.374	0.298602			6
+ 5.38	5.44	5.44	4362.737	0.232863			6
Height Summation:			7290130.298				
Amount Avg CF:			48.445119	Linear:			

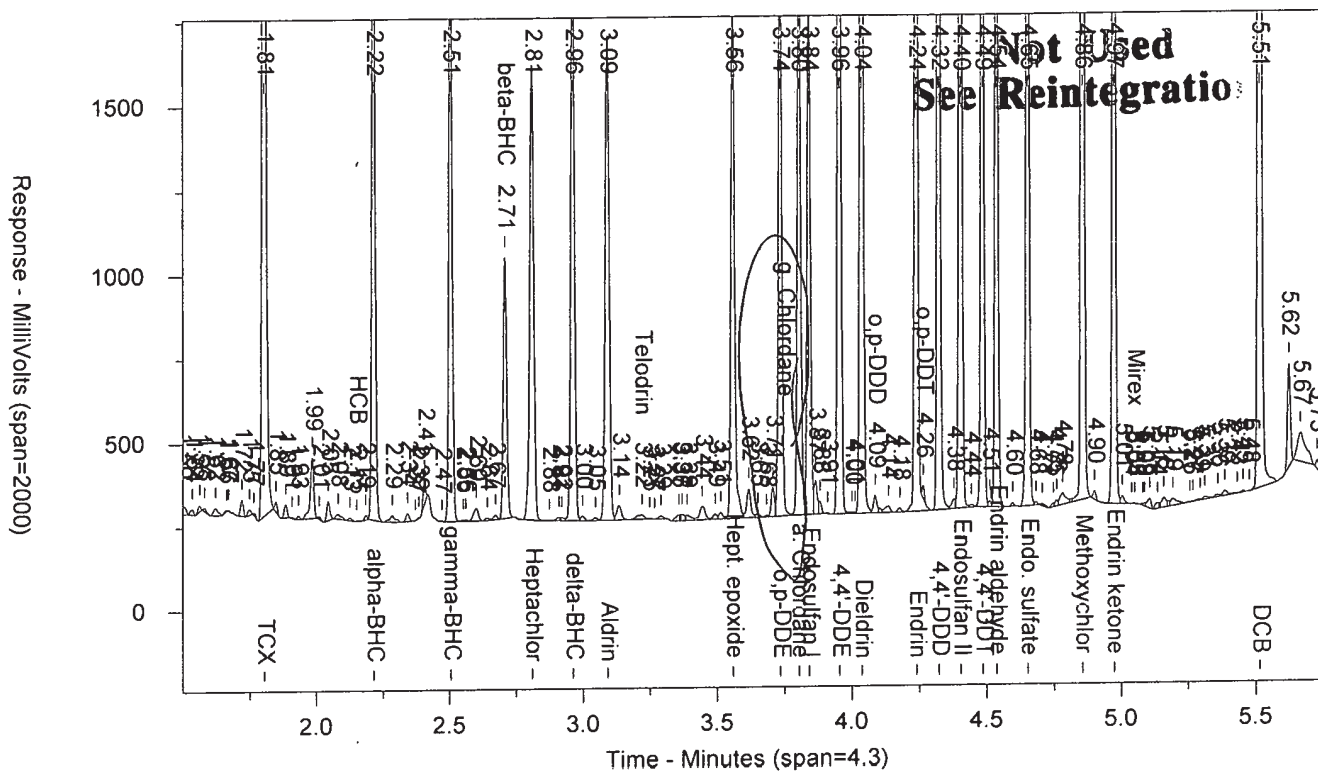
Chlordane							
4.17	4.19	4.21	21782.52	1.703797	4	108.03	2
4.35	4.35	4.39	1290558	25.509274			3
4.38	4.39	4.41	1228228	36.614992			4
+ 4.38	4.41	4.41	1153869	34.398259			4
4.87	4.88	4.91	19543.82	1.42752			5
+ 4.87	4.90	4.91	1701737	124.298299			5
Height Summation:			2560112.34				
Amount Avg CF:			16.313896	Linear:			
Toxaphene							
4.86	4.88	4.90	19543.82	3.473842	3	47.98	2
+ 4.86	4.90	4.90	1701737	302.47745			2
4.99	5.01	5.03	9174.088	1.541884			3
+ 5.27	5.27	5.31	2673616	421.685791			5
5.27	5.30	5.31	10758.29	1.69681			5
Height Summation:			39476.198				
Amount Avg CF:			2.237512	Linear:			

Summary Report

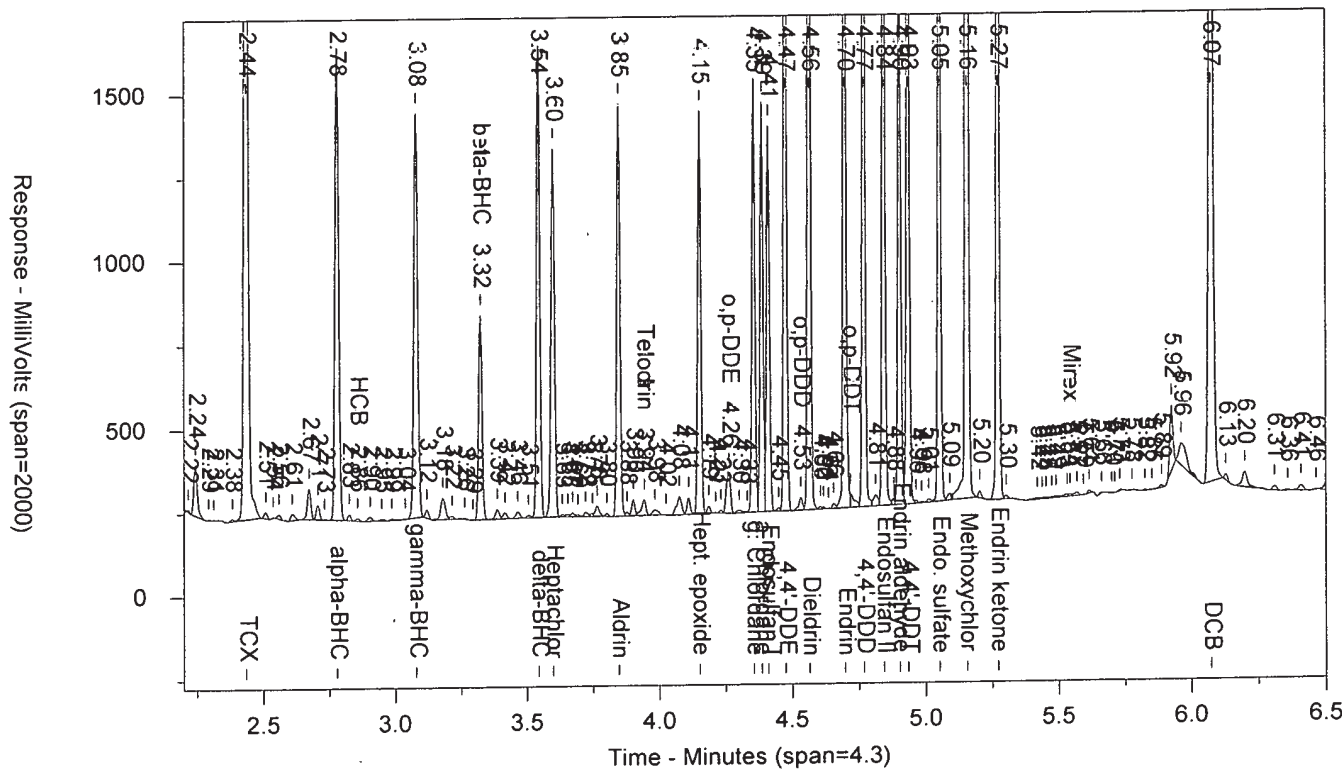
Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			0	0	E	** 195.81	4	40	
Aroclor-1221			0	0	E	** 125.91	3	5	
Aroclor-1248			0	0	E	** 193.63	4	30	
Aroclor-1254			0	0	E	** 44.21	4	40	
Aroclor-1260			0	0	E	29.01	4	40	
Chlordane			17	4	E	** 114.38	4	40	
Toxaphene			33	14	E	** 196.71	4	40	

Units: ug/kg

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026.076.RAW



\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.076.RAW



LANCASTER LABORATORIES

Sample Number: LCSA 11/2/18 CFG ACLCS38305 LCS 183050038A 14587

SW-846 8081B

Injected On: 11/14/2018 3:29:33 AM

Sample Weight: 30

Instrument ID: CP35-24952

Dilution Factor: 10

Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min

Column A ID: DB-CLP1 30m x 0.32mm x 0.5um

Column B ID: DB-CLP2 30m x 0.32mm x 0.25um

Injection Volume: 1 ul

**Not Used
See Reintegration**

Threshold: 5

Calibration Type: external

Quantitation: Height

Analyst: 2306

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.805	4032505	9.222	TCX	2.435	3292266	8.98	TCX
2.152	723	-.049	HCB	2.857	7157	-.046	HCB
2.216	1993519	3.005	alpha-BHC	2.78	1416066	2.837	alpha-BHC
2.506	1710404	3.042	gamma-BHC	3.078	1210429	2.848	gamma-BHC
2.709	779331	3.231	beta-BHC	3.324	611499	3.094	beta-BHC
2.81	1354768	3.029	Heptachlor	3.599	1104380	2.611	Heptachlor
2.962	1659924	3.111	delta-BHC	3.544	1412746	2.903	delta-BHC
3.091	1443615	2.844	Aldrin	3.847	1235594	2.707	Aldrin
3.221	12625	-.013	Telodrin	3.943	47746	.084	Telodrin
3.559	1575037	3.142	Hept. epoxide	4.151	1210501	3.129	Hept. epoxide
3.736	1724624	4.761	o,p-DDE	4.261	117817	.267	o,p-DDE
3.805	1649340	2.943	a. Chlordane	4.385	1228228	3.03	a. Chlordane
3.841	1583533	3.026	Endosulfan I	4.409	1153869	3.001	Endosulfan I
3.955	3417978	6.021	4,4'-DDE	4.474	2576145	5.784	4,4'-DDE
4.038	3725210	6.486	Dieldrin	4.564	2524342	5.896	Dieldrin
4.087	53089	.04	o,p-DDD	4.532	38636	-.012	o,p-DDD
4.21	3489044	6.825	Endrin	4.697	2291769	6.468	Endrin
4.265	38580	.019	o,p-DDT		0		o,p-DDT
4.323	3427052	6.771	4,4'-DDD	4.769	2401058	6.26	4,4'-DDD
	0		g. Chlordane	4.355	1290558	3.112	g. Chlordane
4.404	3342212	6.343	Endosulfan II	4.844	2275146	6.131	Endosulfan II
4.486	2945893	8.209	4,4'-DDT	4.934	2189739	6.831	4,4'-DDT
4.538	2583381	5.778	Endrin aldehyde	4.902	1701737	5.644	Endrin aldehyde
4.652	3335934	7.318	Endo. sulfate	5.052	2264691	6.486	Endo. sulfate
4.857	7901429	41.529	Methoxychlor	5.156	5522783	32.405	Methoxychlor
4.974	3952480	7.093	Endrin ketone	5.272	2673617	6.618	Endrin ketone
5.05	1965	.005	Mirex	5.541	6820	-.563	Mirex
5.515	5600942	11.154	DCB	6.073	2442894	11.798	DCB

Files:

Area File: 35pest18271026.076.RAW

Area File: 35pest18271026B.076.RAW

Method A: 35PESTD.MET

Method B: 35PESTD.B.MET

Calibration File A: 35pest1827109.CAL

Calibration File B: 35pest1827109B.CAL

Format A: pestD35.FMTA

Format B: pestD35.FMTA

Area File Created On: 11/14/2018 3:36:55 AM

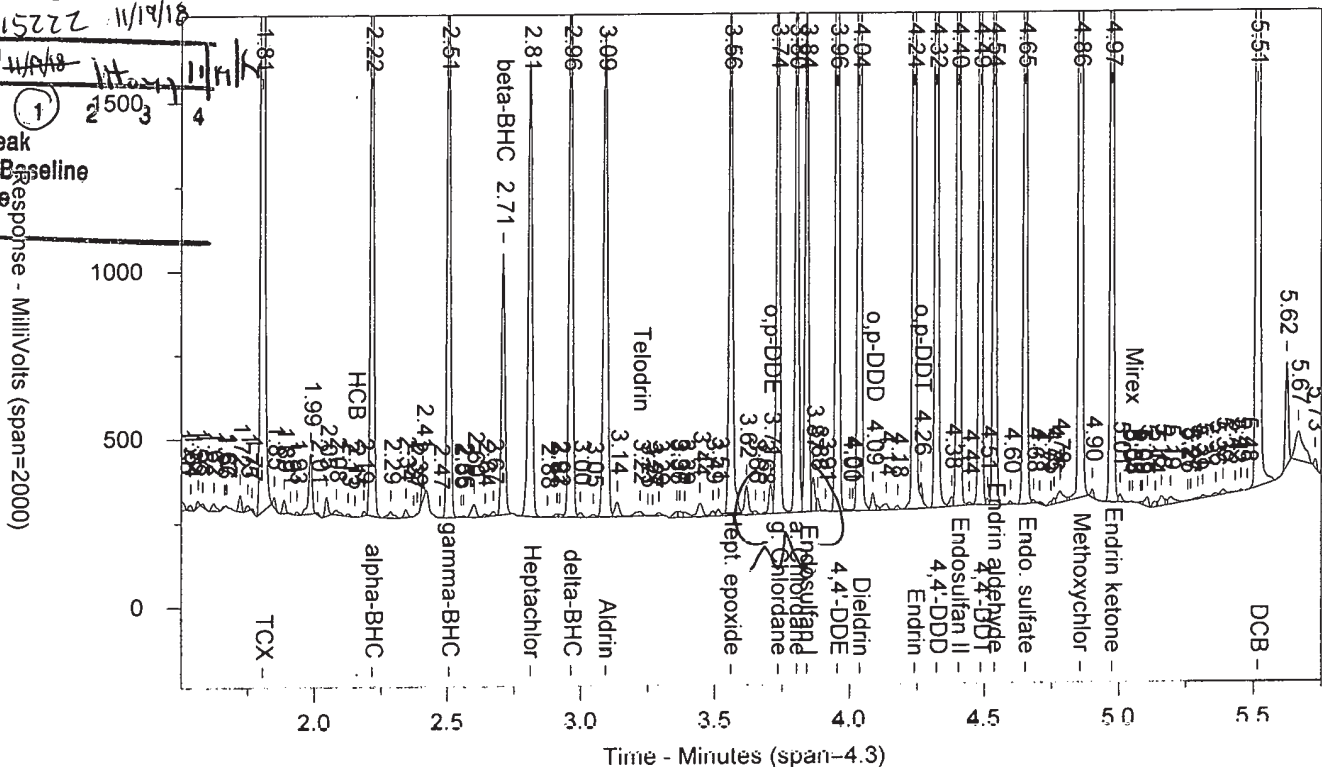
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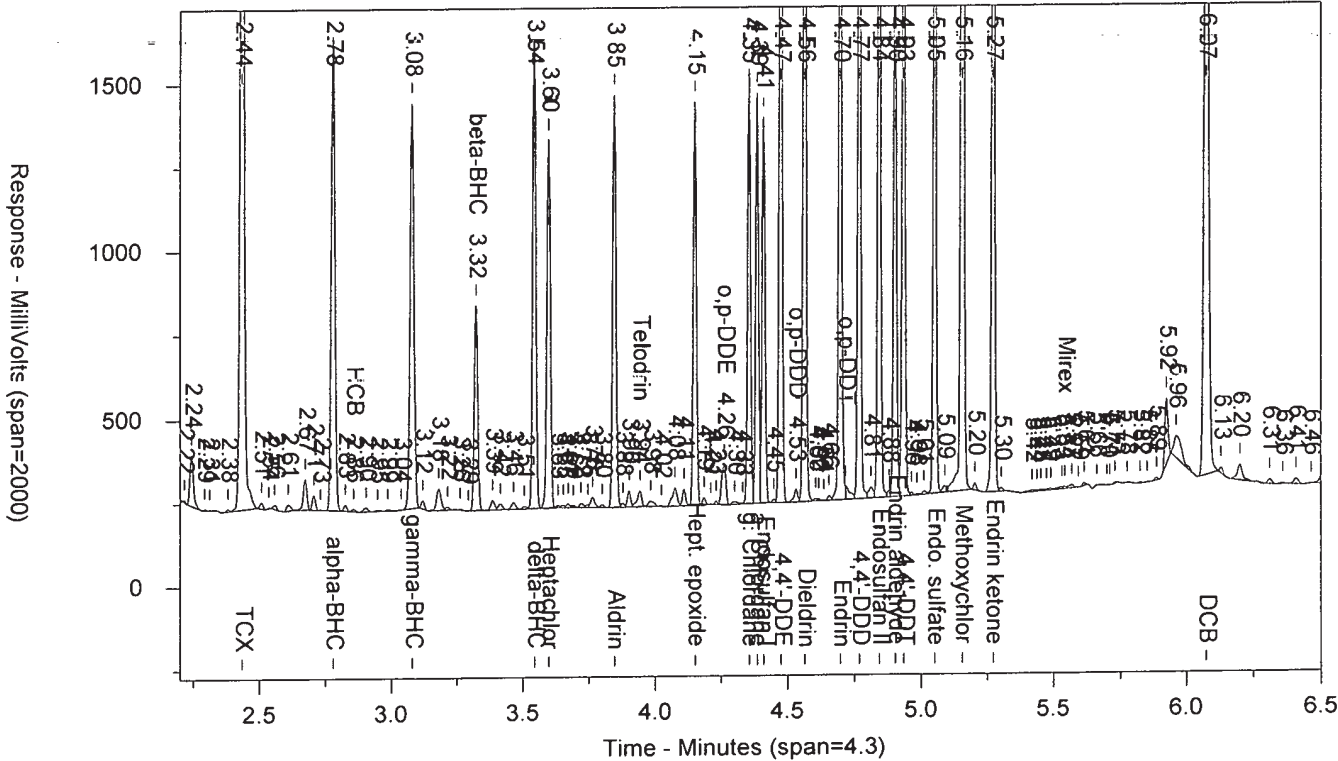
Analyst DSS 15222 11/19/18

Approved by [Signature] 11/19/18

- Circle Reason (1)
- 1 = Missed Peak
 - 2 = Improper Baseline
 - 3 = RT Update
 - 4 = Other



\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.076.BND



Chrom Perfect Chromatogram Report

LANCASTER LABORATORIES

Sample Number: LCSA 11/2/18 CFG ACLCS38305 LCS 183050038A 14587 SW-846 8081B
 Injected On: 11/14/2018 3:29:33 AM Sample Weight: 30
 Instrument ID: CP35-24952 Dilution Factor: 10
 Oven Parameters: 150c to 200 @ 45c/min, to 230 @ 15c/min, to 330 @ 45c/min; hold 2 min
 Column A ID: DB-CLP1 30m x 0.32mm x 0.5um
 Column B ID: DB-CLP2 30m x 0.32mm x 0.25um
 Injection Volume: 1 ul

Threshold: 5
 Calibration Type: external
 Quantitation: Height

Analyst: 2306

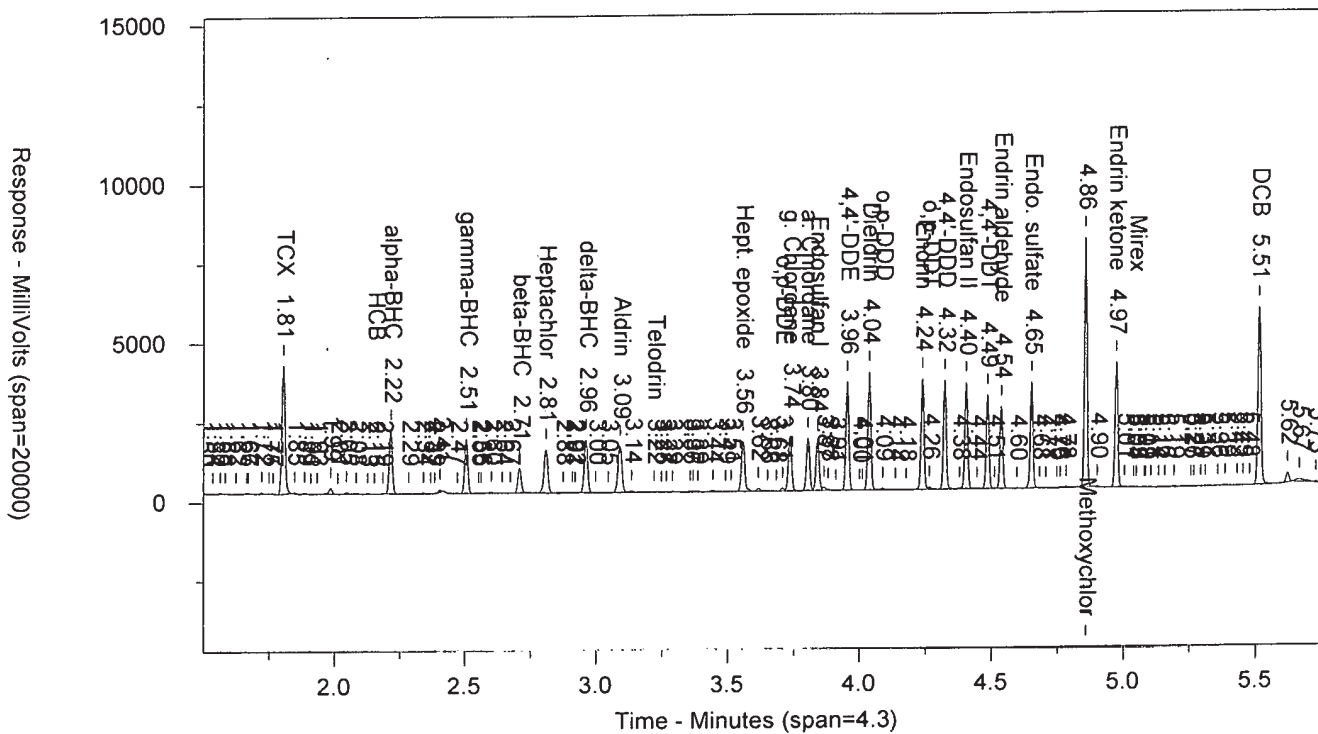
RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
1.805	4032505	9.222	TCX	2.435	3292266	8.98	TCX
2.152	723	-.049	HCB	2.857	7157	-.046	HCB
2.216	1993519	3.005	alpha-BHC	2.78	1416066	2.837	alpha-BHC
2.506	1710404	3.042	gamma-BHC	3.078	1210429	2.848	gamma-BHC
2.709	779331	3.231	beta-BHC	3.324	611499	3.094	beta-BHC
2.81	1354768	3.029	Heptachlor	3.599	1104380	2.611	Heptachlor
2.962	1659924	3.111	delta-BHC	3.544	1412746	2.903	delta-BHC
3.091	1443615	2.844	Aldrin	3.847	1235594	2.707	Aldrin
3.221	12625	-.013	Telodrin	3.943	47746	.084	Telodrin
3.559	1575037	3.142	Hept. epoxide	4.151	1210501	3.129	Hept. epoxide
3.707	87015	.09	o,p-DDE	4.261	117817	.267	o,p-DDE
3.736	1724624	3.1	g. Chlordane	4.355	1290558	3.112	g. Chlordane
3.805	1649340	2.943	a. Chlordane	4.385	1228228	3.03	a. Chlordane
3.841	1583533	3.026	Endosulfan I	4.409	1153869	3.001	Endosulfan I
3.955	3417978	6.021	4,4'-DDE	4.474	2576145	5.784	4,4'-DDE
4.038	3725210	6.486	Dieldrin	4.564	2524342	5.896	Dieldrin
4.087	53089	.04	o,p-DDD	4.532	38838	-.012	o,p-DDD
4.24	3489044	6.825	Endrin	4.697	2291769	6.468	Endrin
4.265	38580	.019	o,p-DDT		0		o,p-DDT
4.323	3427052	6.771	4,4'-DDD	4.769	2401058	6.26	4,4'-DDD
4.404	3342212	6.343	Endosulfan II	4.844	2275146	6.131	Endosulfan II
4.486	2945893	8.209	4,4'-DDT	4.934	2189739	6.831	4,4'-DDT
4.538	2583381	5.778	Endrin aldehyde	4.902	1701737	5.644	Endrin aldehyde
4.652	3335934	7.318	Endo. sulfate	5.052	2264691	6.486	Endo. sulfate
4.857	7901429	41.529	Methoxychlor	5.156	5522783	32.405	Methoxychlor
4.974	3952480	7.093	Endrin ketone	5.272	2673617	6.618	Endrin ketone
5.05	1965	.005	Mirex	5.541	6820	-.563	Mirex
5.515	5600942	11.154	DCB	6.073	2442894	11.798	DCB

Files:

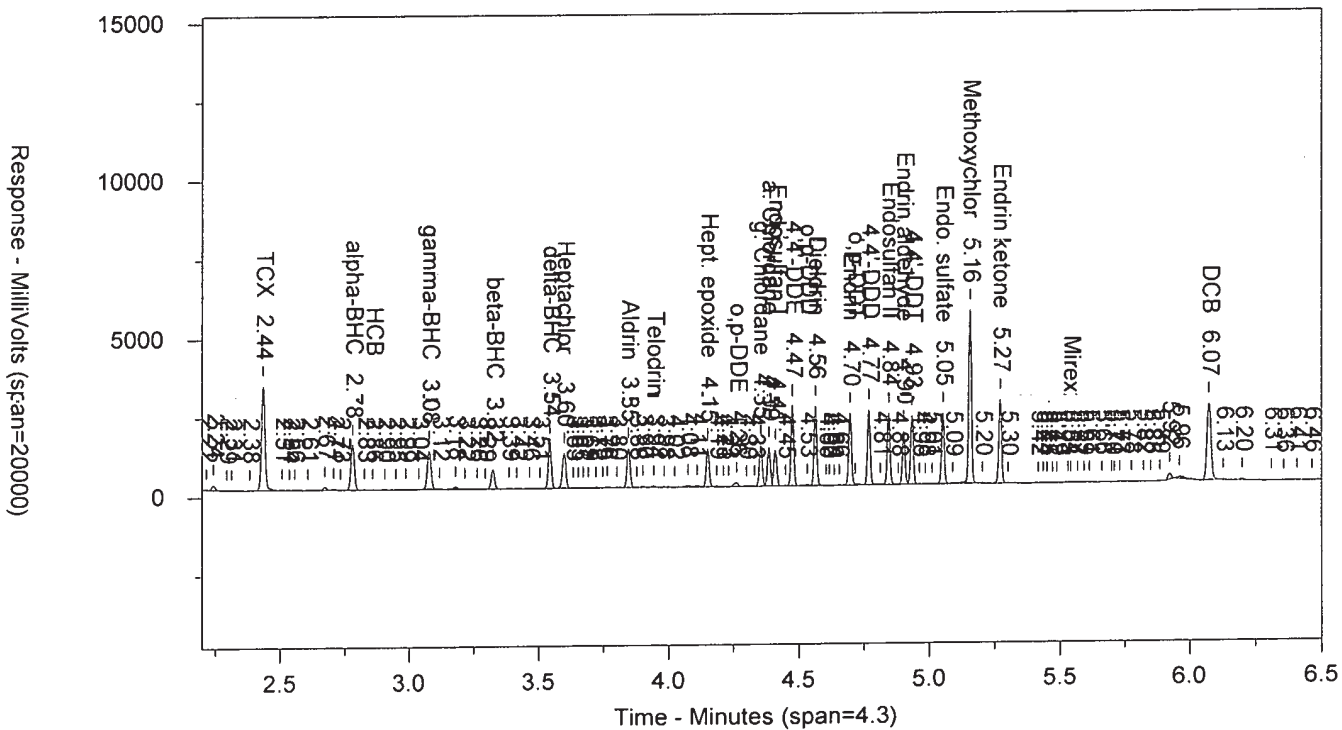
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 Area File: 35pest18271026B.076.BND
 Method A: 35PESTD.MET
 Method B: 35PESTDDB.MET
 Calibration File A: 35pest1827109.CAL
 Calibration File B: 35pest1827109B.CAL
 Format A: pestD35.FMTA
 Format B: pestD35.FMTA
 Area File Created On: 11/19/2018 9:49:03 AM
 File Reported On: 11/19/2018 at 9:50:00 AM

LCSA 11/2/18 CFG ACLCS38305 LCS 183050038A 14587 SW-846 808

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026.076.BND



\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP35\35pest18271026B.076.BND



Extraction/Distillation/Digestion Logs

Pesticides

183050038A

Dept: 24 Prep Analysis: 10496 PPL Pest. Microwave Extraction ocpst 8081B w/GPC & 3546

Solvent Used	Lot No.
1:1 MethyleneChloride/Acetone	1230611021M
Methylene Chloride	180618
Sodium Sulfate	183046
Syringe Filter	16837045
<u>hexane</u>	

QC	Sample Code	Amt (mL)	SS/IS Sol.	Amt (mL)	MS Sol.	Amt (mL)	FV (mL)	pH	BC	pH	BC	Comments
9874411MSD	T1302MSD	<u>30.2</u>	SS1828524A	1	MS1830024A	1	10	Z	<u>30A</u>	Z	<u>30A</u>	<u>brown soil</u>
9874411MS	T1302MS	<u>30.1</u>	SS1828524A	1	MS1830024A	1	10	Z	<u>30A</u>	Z	<u>30A</u>	<u>↓</u>
BLANKA	PBLK38305	<u>30.0</u>	SS1828524A	1			10	Z		Z		<u>MS1830024A</u>
LCSA	LCS38305	<u>30.0</u>	SS1828524A	1	MS1830024A	1	10	Z		Z		

Spike Solutions: Witness:

MS1830024A SW846 SPIKE

SS1828524A SW846 SURROGATE STANDARI

Sample #	Sample Code	Amt (mL)	SS/IS Sol.	Amt (mL)	FV (mL)	pH	BC	pH	BC	Comments	Analyses	List	Due Date	Prio
1	9874411	<u>30.19</u>	SS1828524A	1	10	Z	312B	Z	312B	Soil;Rocks:Black	14587	31489	11/08/2018	N
2	9874412	<u>30.29</u>	SS1828524A	1	10	Z	312A	Z	312A	Soil;Rocks:Black	14587	31489	11/08/2018	N
3	9874413	<u>30.27</u>	SS1828524A	1	10	Z	312A	Z	312A	Soil;Rocks:Black	14587	31489	11/08/2018	N

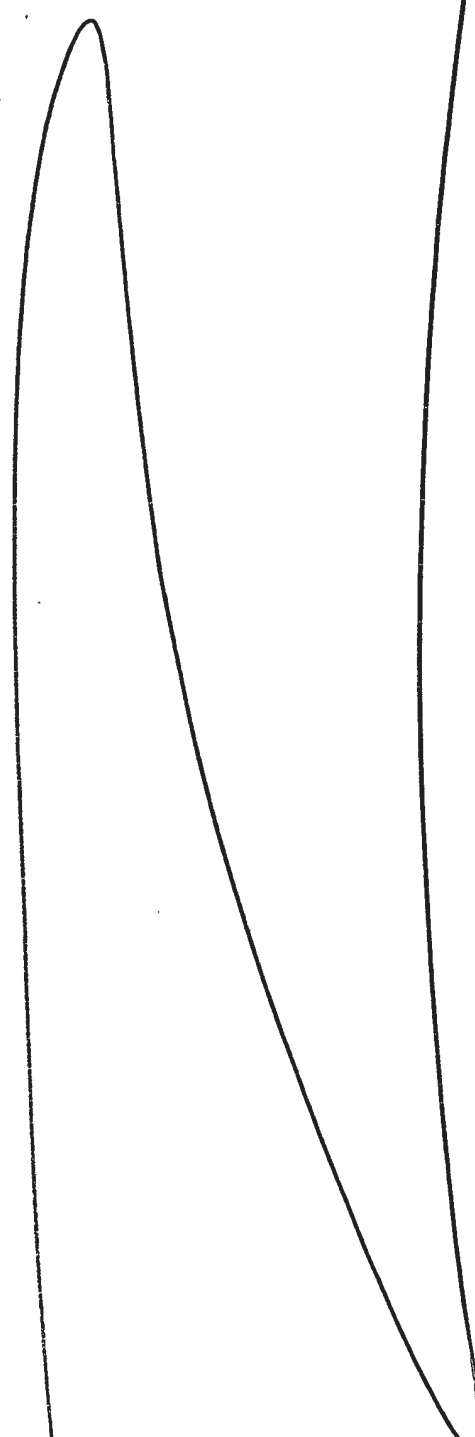
Bench#	Bench#	Bench#
Rack ID:	Work Station	Micro Temp
	<u>Had 12</u>	100? <input checked="" type="checkbox"/>
Internal Standard	Balance #	
	<u>17009</u>	

R-VAP ID	R-VAP ID	R-VAP ID	R-VAP ID	R-VAP ID
S-bath ID	S-bath ID	S-bath ID	S-bath ID	S-bath ID
<u>98</u>				
N-Evap	N-Evap	N-Evap	N-Evap	N-Evap

183050038A



11-2-18
MS8993



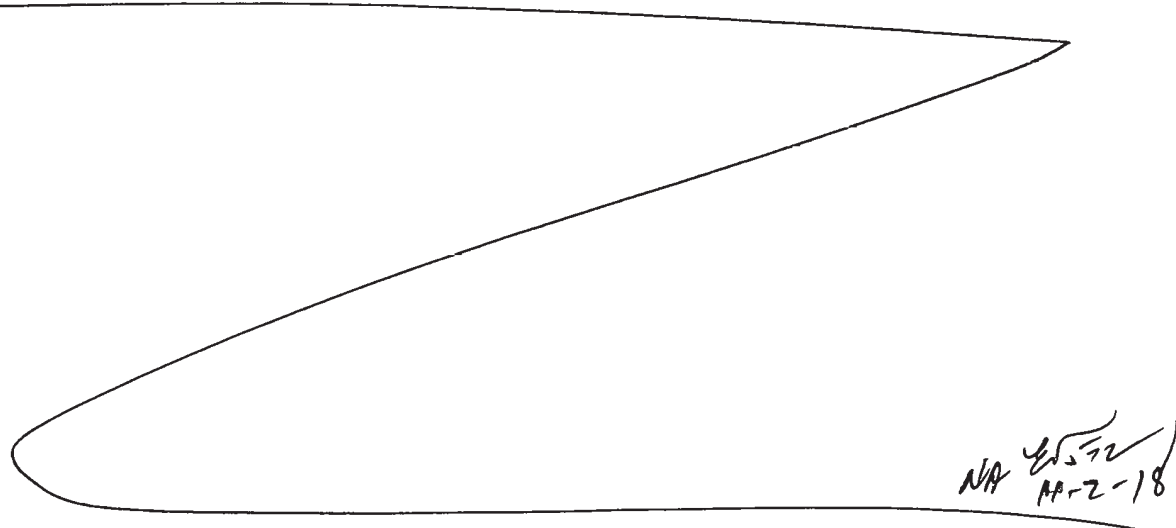
Prep-Process Worksheet

GPC
Prep: 10496 PPL Pest. Microwave Extractor
Batch: 183050038A

Verified: <u>WTGJ</u>
Start Date: <u>11-2-18</u>
Start Time: <u>18:00</u>
Tech 1: <u>ESW</u>
Tech 2: _____

Sample #	Vol. (mL) on	Final Conc Volume (ml)	Column ID	D.F.		Comments
				Aliq	F.V.	
9874411MSD	5	5	(1)			
9874411MS	5	5	(1)			
BLANKA	5	5	(1)			
LCSA	5	5	(1)			

Sample #	Vol. (mL) on	Final Conc Volume (ml)	Column ID		D.F.		Comments	Analyses
					Aliq	F.V.		
1 9874411 S	5	5	(1)	2				14587
2 9874412 S	5	5	(1)	2				14587
3 9874413 S	5	5	(1)	2				14587



Additional Comment: Tube Vap A+B at 48°C

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		<u>Meth</u>	<u>186618</u>
		<u>Hexane</u>	<u>186229</u>

Instrument #: <u>J2-3</u>
Column ID #1: <u>107</u>
Column ID #2: _____

S-Evap/bath C S-Evap/bath C N-Evap C

The documented temperatures are NIST corrected.

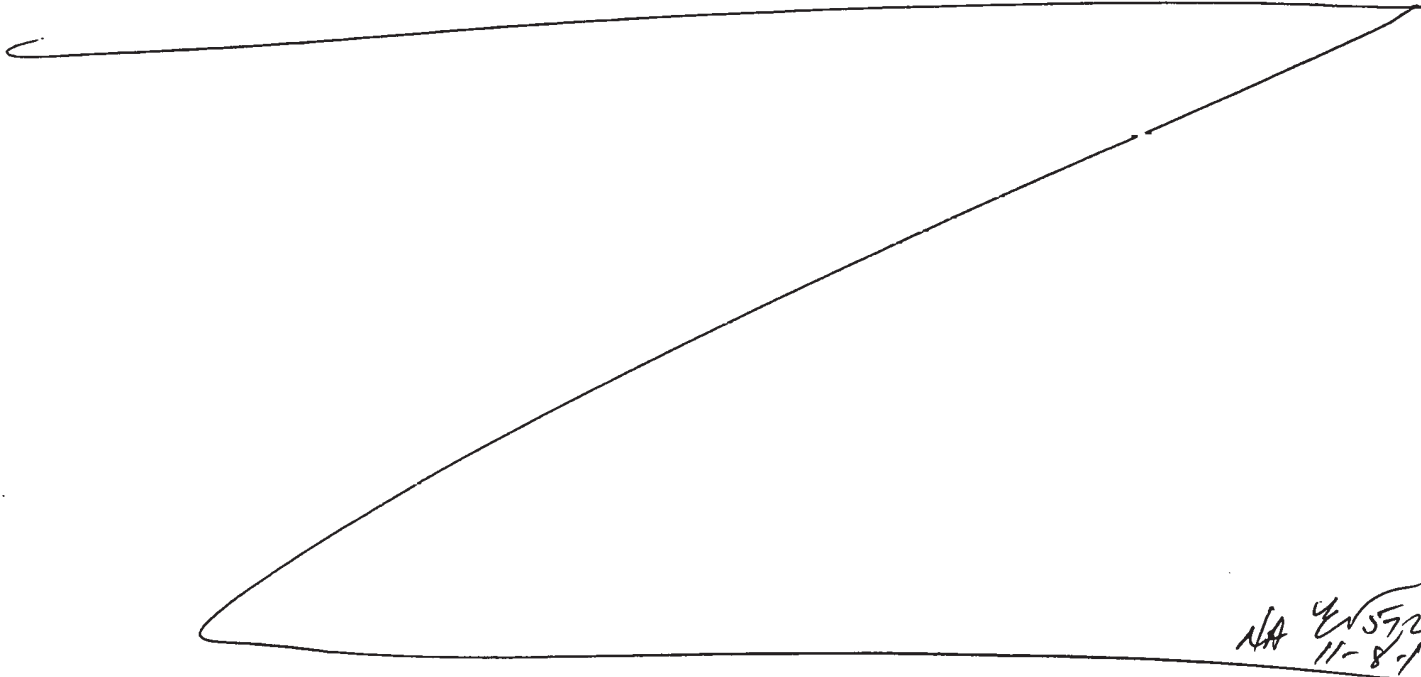
Prep-Process Worksheet

Florisil
Prep: 10496 PPL Pest. Microwave Extractor
Batch: 183050038A

Verified: <u>WTO47</u>
Start Date: <u>11-8-18</u>
Start Time: <u>15:10</u>
Tech 1: <u>[Signature]</u>
Tech 2: _____

Sample #	Aliquot (mL)	Final Volume (mL)	D.F.		Comments
			Aliq	F.V.	
9874411MSD	2	2			
9874411MS	↓	↓			
BLANKA					
LCSA	↓	↓			

Sample #	QC	Aliquot (mL)	Final Volume (mL)	D.F.		Comments	Analyses
				Aliq	F.V.		
1 9874411		2	2				14587
2 9874412		↓	↓				14587
3 9874413		↓	↓				14587



Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solyent Used	Lot No.
		Florisil Cont.	6362355-17
		1186 Acetyl Phthalate	572110818A
		Hexane	186229
S-Evap/bath	→ C	S-Evap/bath	→ C
		N-Evap	3 40° C

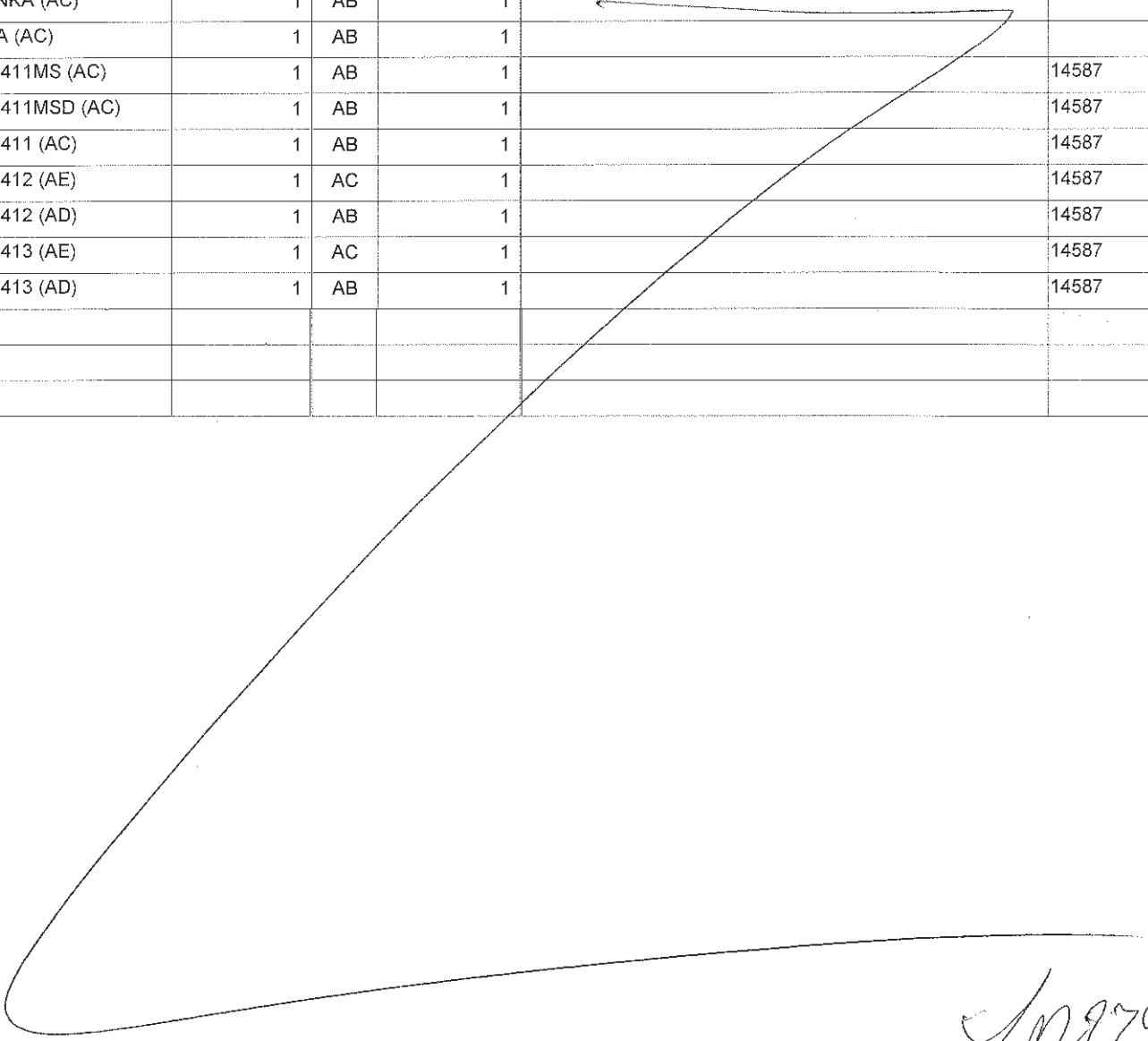
Prep-Process Worksheet

Copper
Prep Analysis # 10496 PPL Pest. Microwave Extraction
Prep Group # 171 ocpest 8081B w/GPC & 3546

Verified: W1041
 Start Date: 11/12/2018
 Start Time: 2000
 Tech 1: JDB
 Tech 2: _____

BATCH NO. 183050038A

Sample #	Aliquot (ml)	Parent ID	Final Volume (ml)	Comments	Analyses
1	BLANKA (AC)	1	AB	1	
2	LCSA (AC)	1	AB	1	
3	9874411MS (AC)	1	AB	1	14587
4	9874411MSD (AC)	1	AB	1	14587
5	9874411 (AC)	1	AB	1	14587
6	9874412 (AE)	1	AC	1	14587
7	9874412 (AD)	1	AB	1	14587
8	9874413 (AE)	1	AC	1	14587
9	9874413 (AD)	1	AB	1	14587



Handwritten signature
 11/13/18

Additional Comment: _____

page 1 of 1

Solvent Used	Lot No.	Solvent Used	Lot No.
Copper	810290-BS		

Polychlorinated Biphenyls (PCBs) Data