

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
 Data File : PL095130.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Apr 2025 11:03
 Operator : AR\AJ
 Sample : PB167473BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167473BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 04/10/2025
 Supervised By :mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 01:23:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.539	2.767	60446230	80871246	21.354	22.658
28)	SA Decachlor...	9.055	7.900	51398863	95358492	24.389	23.607
Target Compounds							
2)	A alpha-BHC	3.996	3.269	182.1E6	282.4E6	43.860	52.385
3)	MA gamma-BHC...	4.328	3.599	173.3E6	261.2E6	43.436	50.816
4)	MA Heptachlor	4.915	3.937	163.5E6	251.9E6	42.123	47.820
5)	MB Aldrin	5.257	4.215	155.4E6	232.0E6	42.100	47.582
6)	B beta-BHC	4.527	3.900	78258833	112.8E6	42.412	50.798
7)	B delta-BHC	4.775	4.128	178.4E6	245.1E6	45.810	48.992
8)	B Heptachlo...	5.684	4.718	143.6E6	219.7E6	42.923	47.974
9)	A Endosulfan I	6.069	5.088	137.4E6	210.9E6	44.743	48.047
10)	B gamma-Chl...	5.940	4.968	147.9E6	230.1E6	43.887	47.650
11)	B alpha-Chl...	6.019	5.032	146.2E6	226.3E6	44.340	47.418
12)	B 4,4'-DDE	6.193	5.220	145.3E6	229.9E6	49.386	49.465
13)	MA Dieldrin	6.344	5.352	145.2E6	230.8E6	45.408	47.567
14)	MA Endrin	6.574	5.627	116.4E6	206.8E6	41.983	47.389
15)	B Endosulfa...	6.795	5.922	127.1E6	211.1E6	46.825	48.779
16)	A 4,4'-DDD	6.710	5.776	114.3E6	190.7E6	52.785	53.027
17)	MA 4,4'-DDT	7.024	6.025	114.8E6	201.1E6	48.275	49.883
18)	B Endrin al...	6.924	6.103	98352708	164.5E6	46.591	48.887
19)	B Endosulfa...	7.159	6.325	113.0E6	205.0E6	46.468	50.331
20)	A Methoxychlor	7.501	6.601	60152579	108.2E6	50.250	51.031
21)	B Endrin ke...	7.644	6.829	127.2E6	242.6E6	48.111	50.831m
22)	Mirex	8.116	7.008	93080921	183.6E6	45.047	48.363m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
Data File : PL095130.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 11:03
Operator : AR\AJ
Sample : PB167473BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

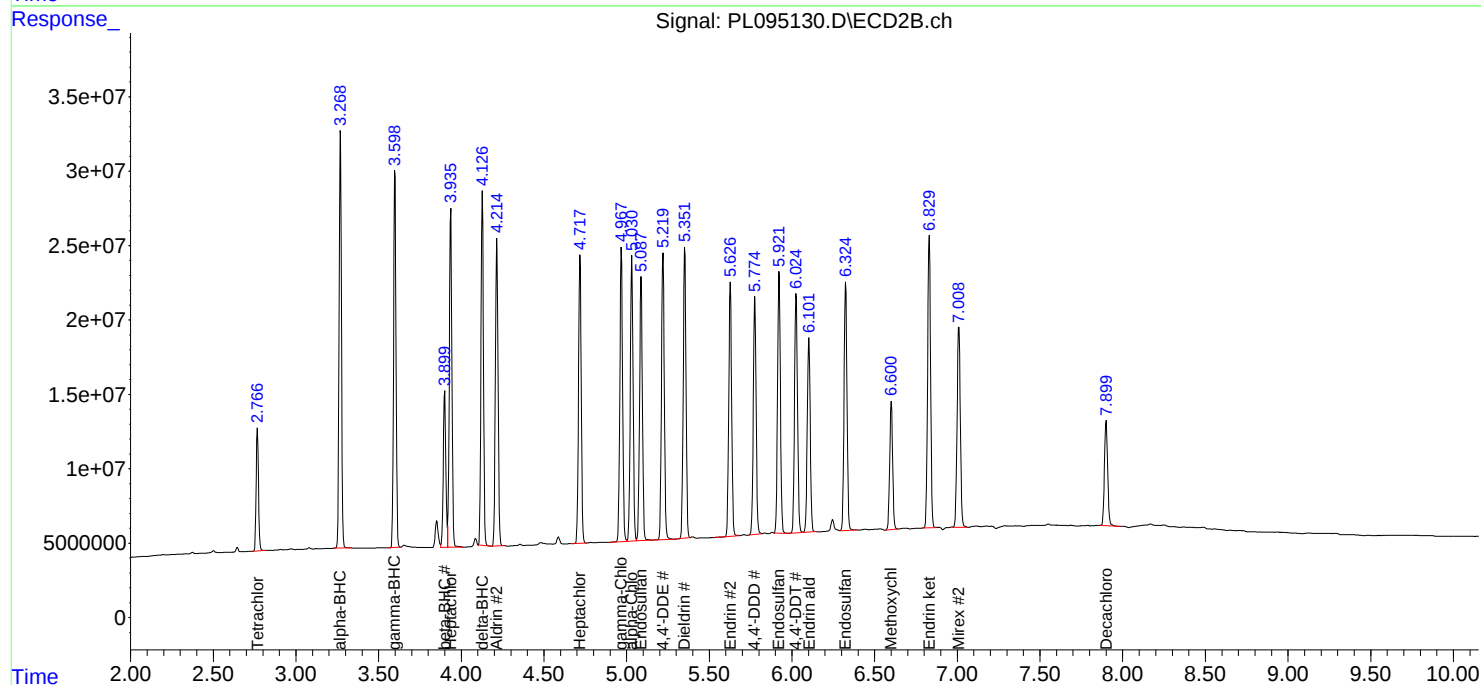
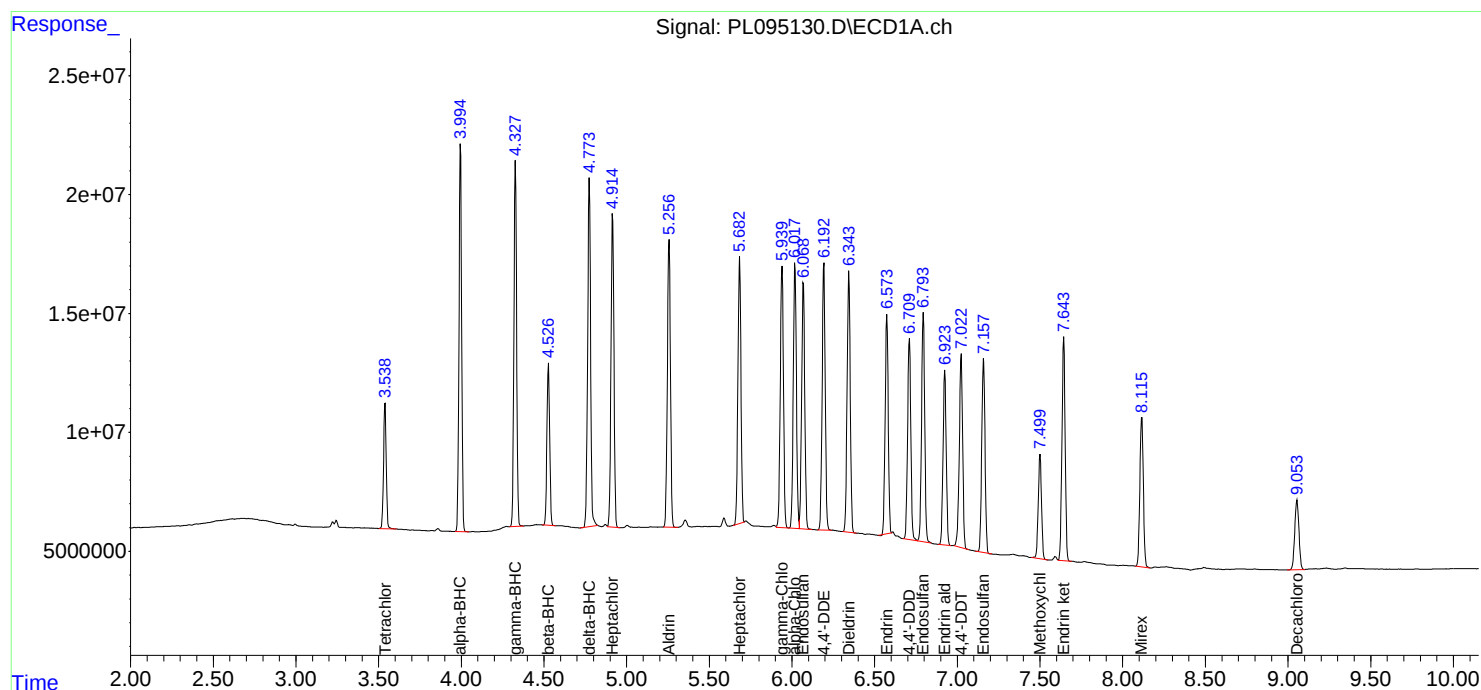
Instrument :
ECD_L
ClientSampleId :
PB167473BS

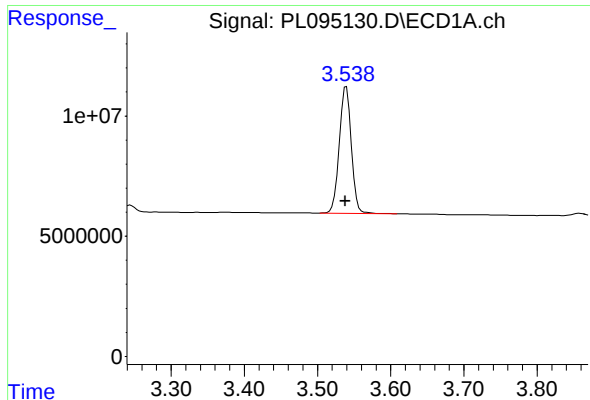
Manual Integrations
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Supervised By :mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:23:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





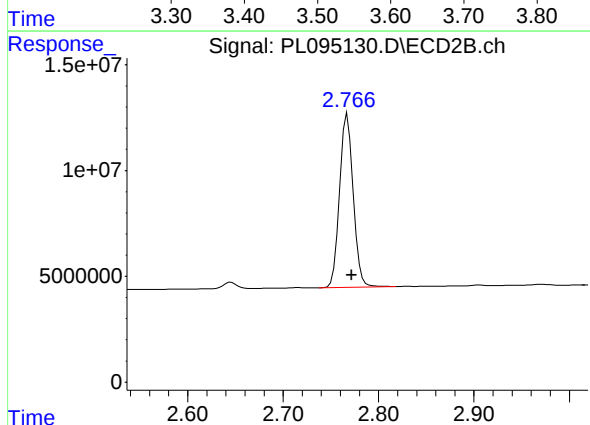
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.001 min
Response: 60446230
Conc: 21.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

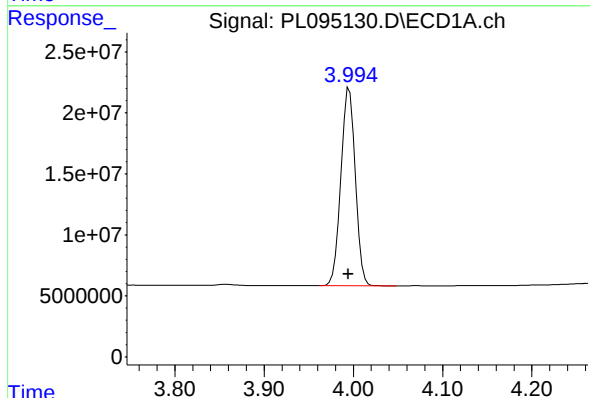
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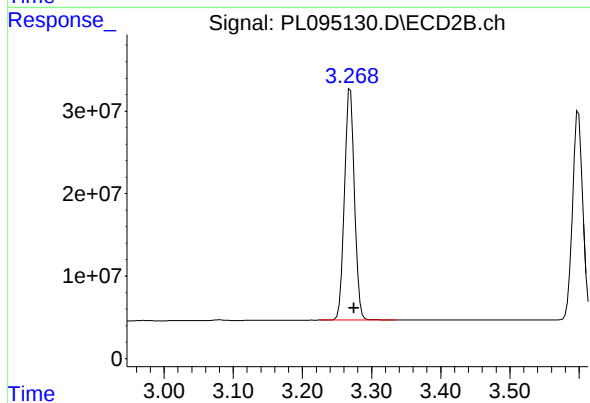
#1 Tetrachloro-m-xylene

R.T.: 2.767 min
Delta R.T.: -0.005 min
Response: 80871246
Conc: 22.66 ng/ml



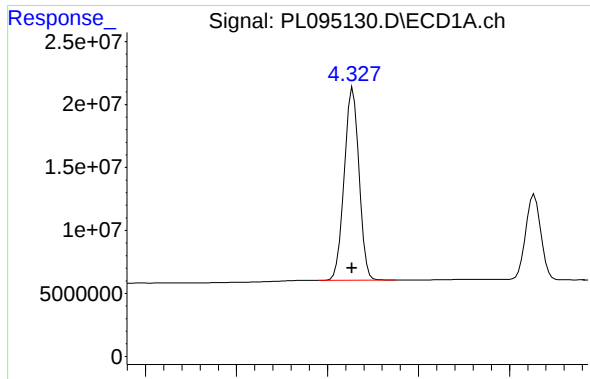
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.001 min
Response: 182121395
Conc: 43.86 ng/ml



#2 alpha-BHC

R.T.: 3.269 min
Delta R.T.: -0.005 min
Response: 282427718
Conc: 52.39 ng/ml



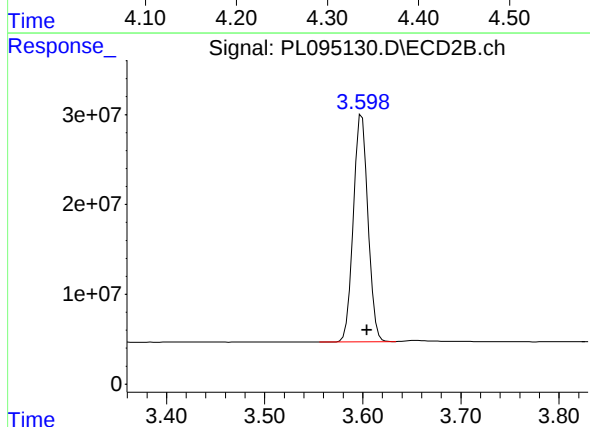
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 173319763
Conc: 43.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

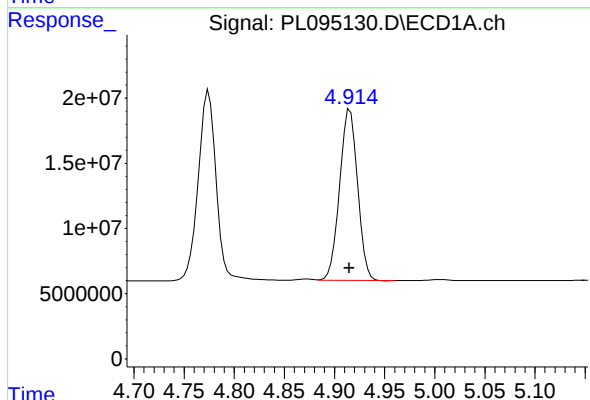
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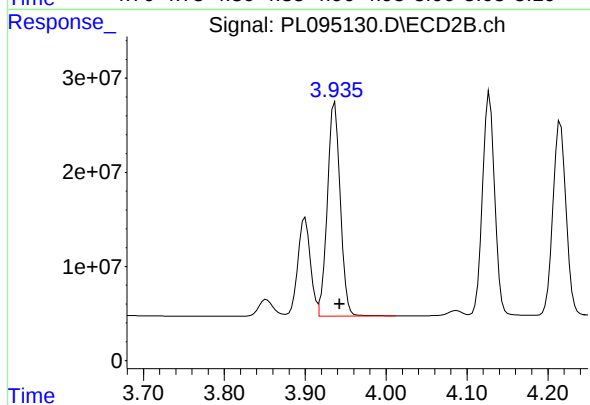
#3 gamma-BHC (Lindane)

R.T.: 3.599 min
Delta R.T.: -0.005 min
Response: 261165774
Conc: 50.82 ng/ml



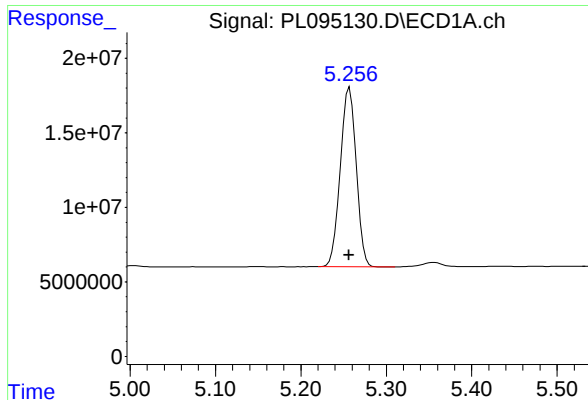
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 163506827
Conc: 42.12 ng/ml



#4 Heptachlor

R.T.: 3.937 min
Delta R.T.: -0.006 min
Response: 251945154
Conc: 47.82 ng/ml



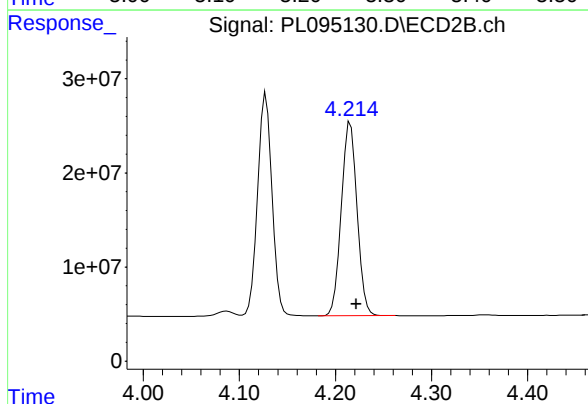
#5 Aldrin

R.T.: 5.257 min
Delta R.T.: 0.000 min
Response: 155444110
Conc: 42.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

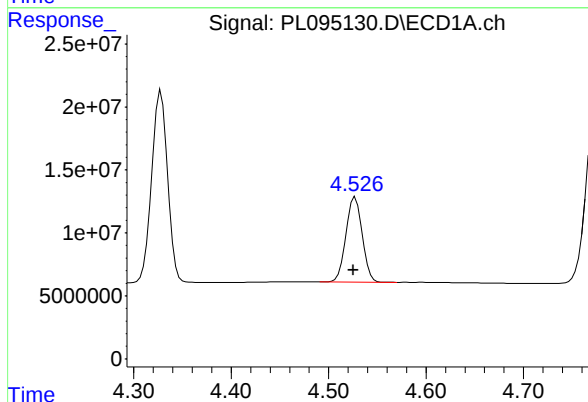
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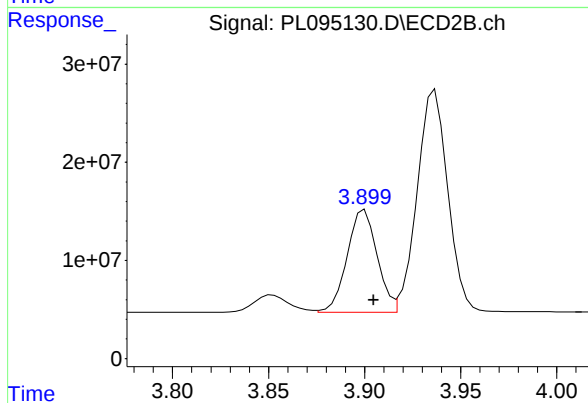
#5 Aldrin

R.T.: 4.215 min
Delta R.T.: -0.006 min
Response: 232026055
Conc: 47.58 ng/ml



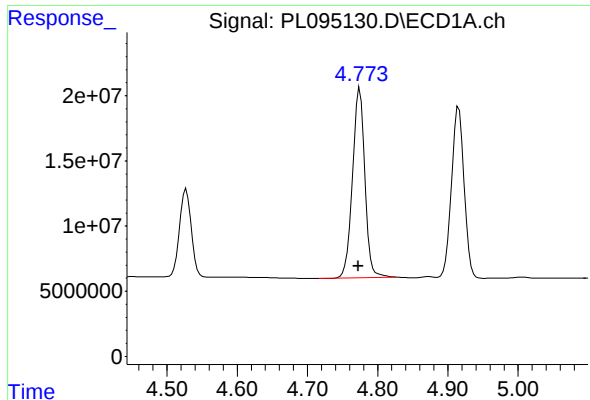
#6 beta-BHC

R.T.: 4.527 min
Delta R.T.: 0.002 min
Response: 78258833
Conc: 42.41 ng/ml



#6 beta-BHC

R.T.: 3.900 min
Delta R.T.: -0.005 min
Response: 112837360
Conc: 50.80 ng/ml



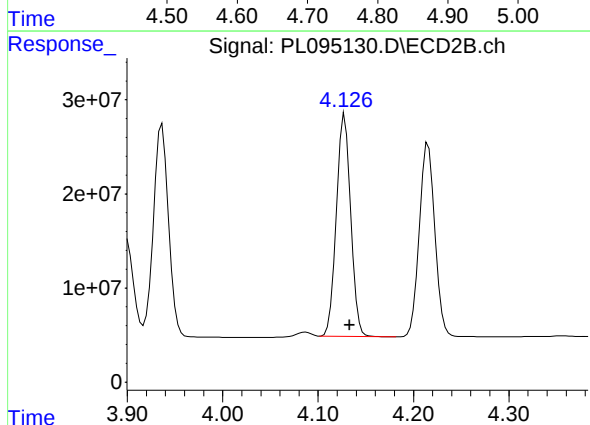
#7 delta-BHC

R.T.: 4.775 min
Delta R.T.: 0.002 min
Response: 178397216
Conc: 45.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

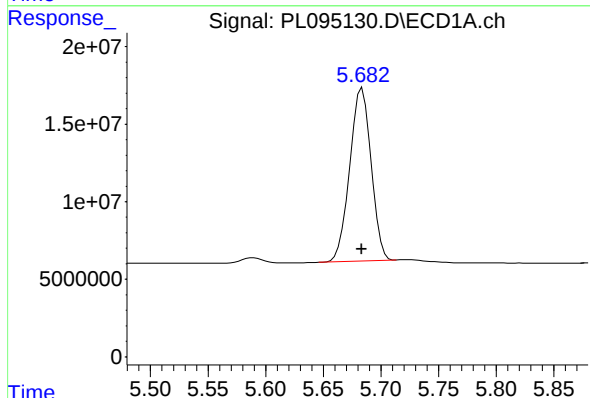
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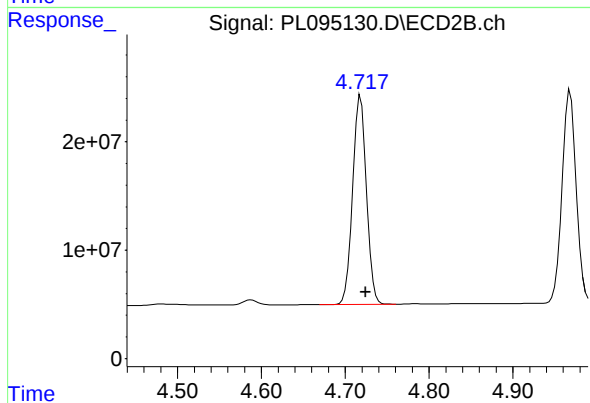
#7 delta-BHC

R.T.: 4.128 min
Delta R.T.: -0.005 min
Response: 245059085
Conc: 48.99 ng/ml



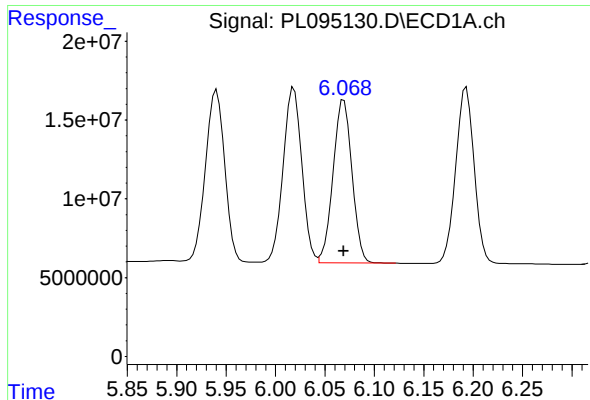
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 143585683
Conc: 42.92 ng/ml



#8 Heptachlor epoxide

R.T.: 4.718 min
Delta R.T.: -0.006 min
Response: 219654229
Conc: 47.97 ng/ml



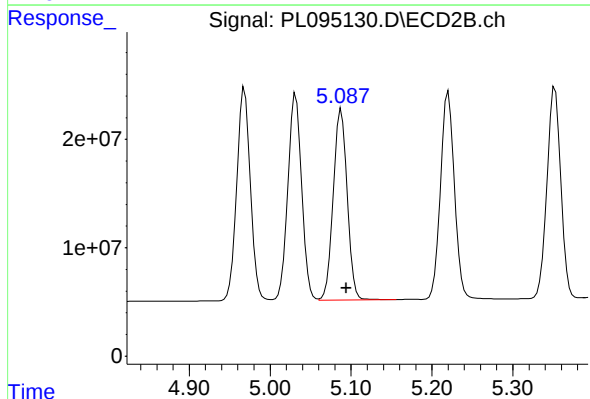
#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 137369901
Conc: 44.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

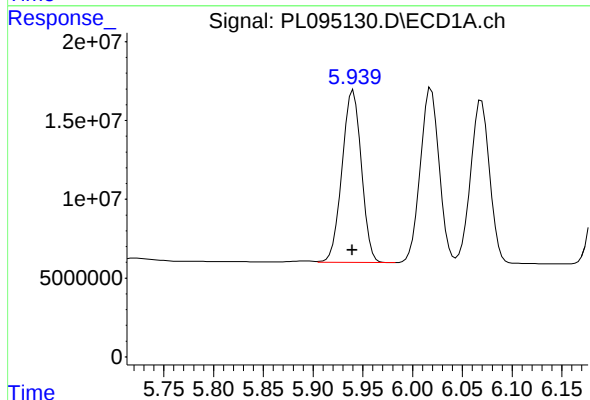
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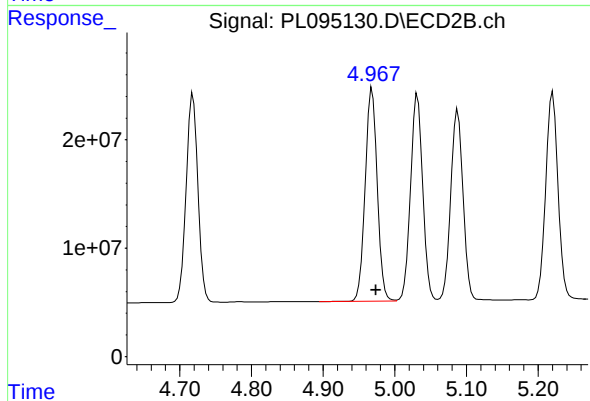
#9 Endosulfan I

R.T.: 5.088 min
Delta R.T.: -0.006 min
Response: 210865700
Conc: 48.05 ng/ml



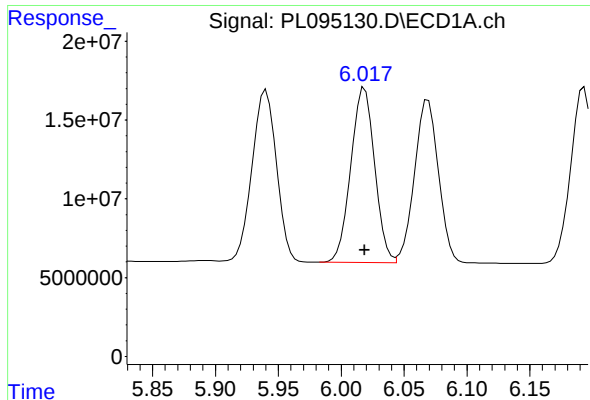
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 147870510
Conc: 43.89 ng/ml



#10 gamma-Chlordane

R.T.: 4.968 min
Delta R.T.: -0.006 min
Response: 230073310
Conc: 47.65 ng/ml



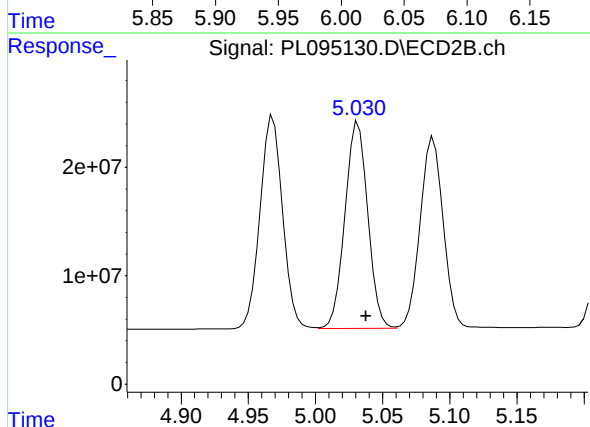
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: 0.000 min
Response: 146181350
Conc: 44.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

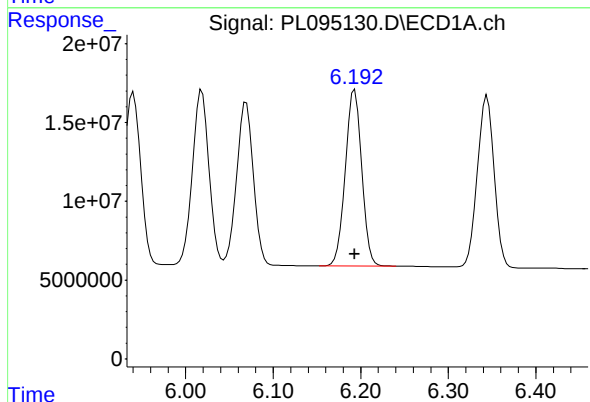
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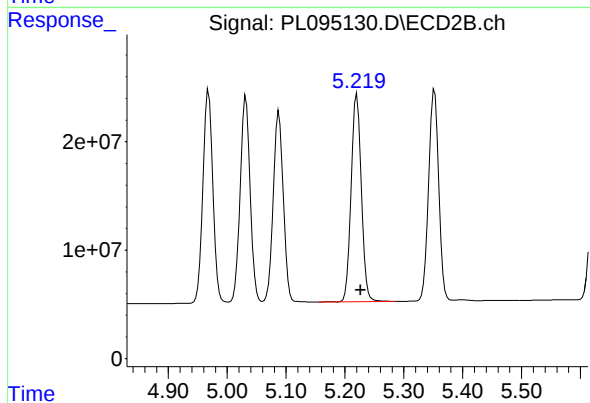
#11 alpha-Chlordane

R.T.: 5.032 min
Delta R.T.: -0.006 min
Response: 226313744
Conc: 47.42 ng/ml



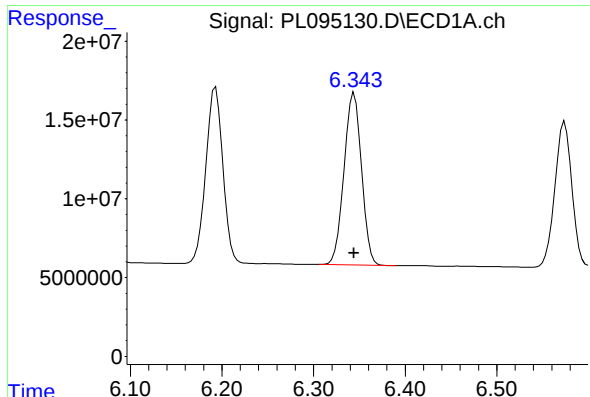
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 145296863
Conc: 49.39 ng/ml



#12 4,4'-DDE

R.T.: 5.220 min
Delta R.T.: -0.006 min
Response: 229937707
Conc: 49.46 ng/ml



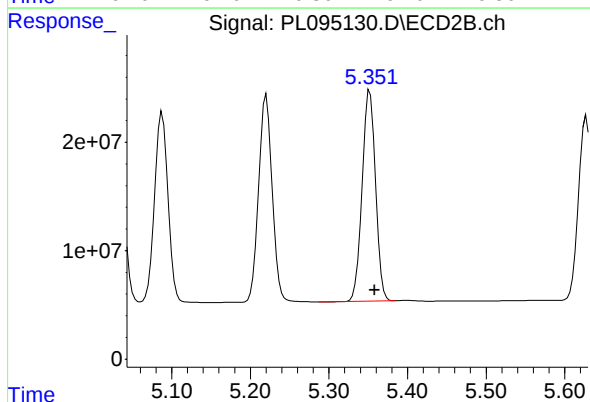
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 145222249
Conc: 45.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

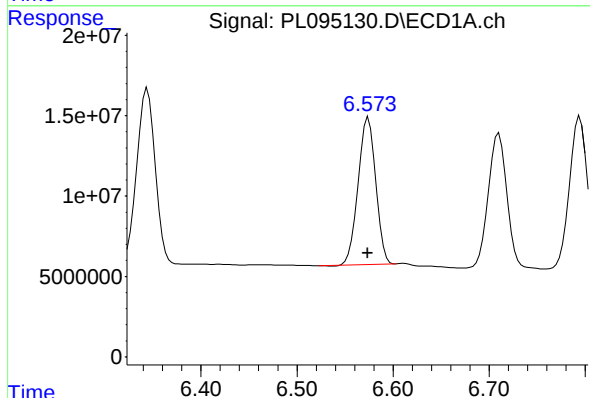
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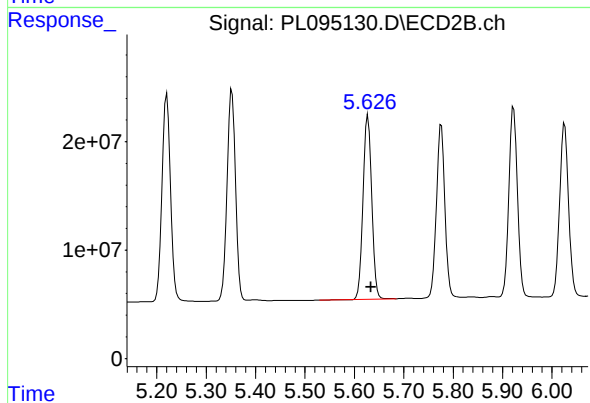
#13 Dieldrin

R.T.: 5.352 min
Delta R.T.: -0.006 min
Response: 230788342
Conc: 47.57 ng/ml



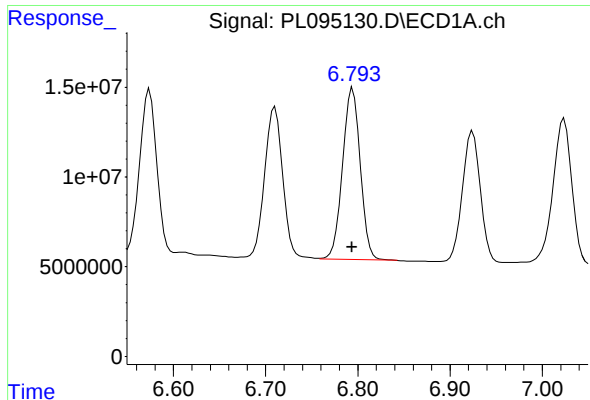
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 116380695
Conc: 41.98 ng/ml



#14 Endrin

R.T.: 5.627 min
Delta R.T.: -0.006 min
Response: 206790124
Conc: 47.39 ng/ml



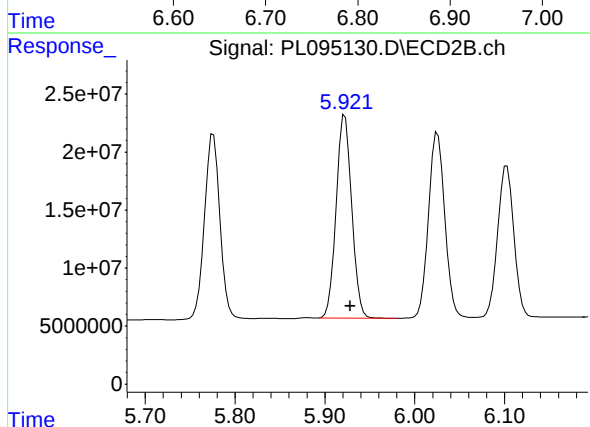
#15 Endosulfan II

R.T.: 6.795 min
Delta R.T.: 0.000 min
Response: 127116600
Conc: 46.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

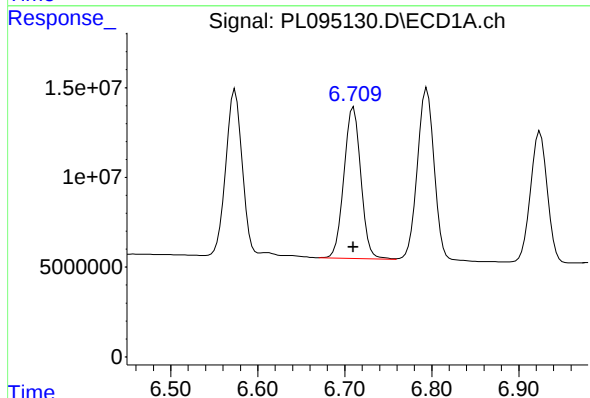
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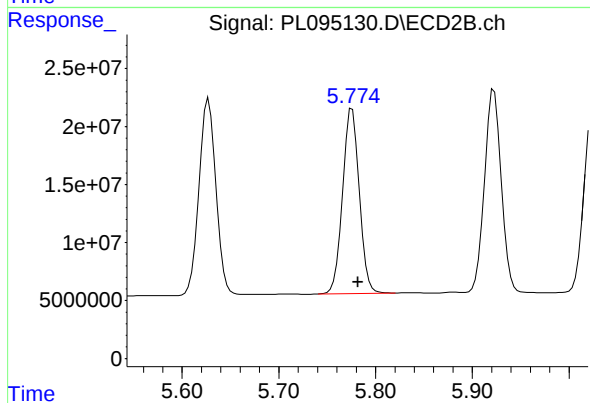
#15 Endosulfan II

R.T.: 5.922 min
Delta R.T.: -0.006 min
Response: 211129878
Conc: 48.78 ng/ml



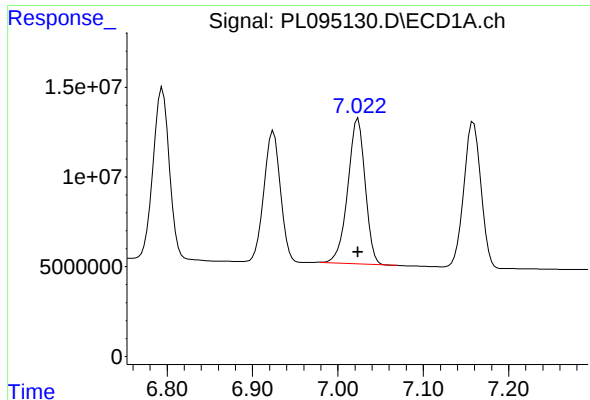
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 114336132
Conc: 52.79 ng/ml



#16 4,4'-DDD

R.T.: 5.776 min
Delta R.T.: -0.006 min
Response: 190679672
Conc: 53.03 ng/ml



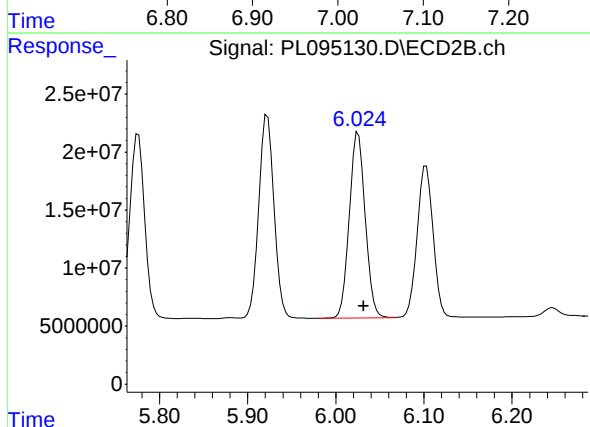
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 114824949
Conc: 48.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

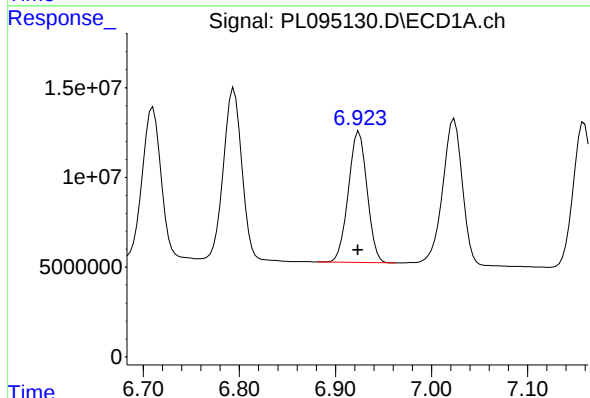
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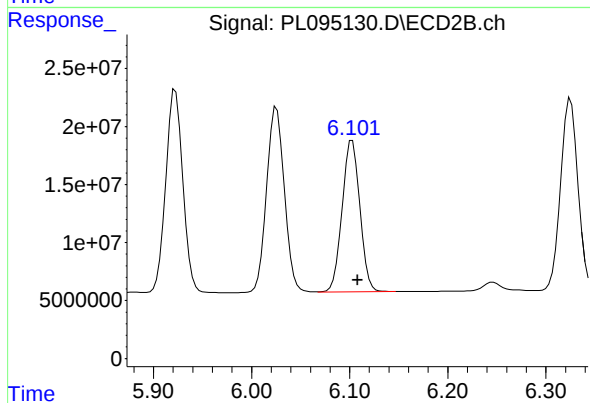
#17 4,4'-DDT

R.T.: 6.025 min
Delta R.T.: -0.006 min
Response: 201134202
Conc: 49.88 ng/ml



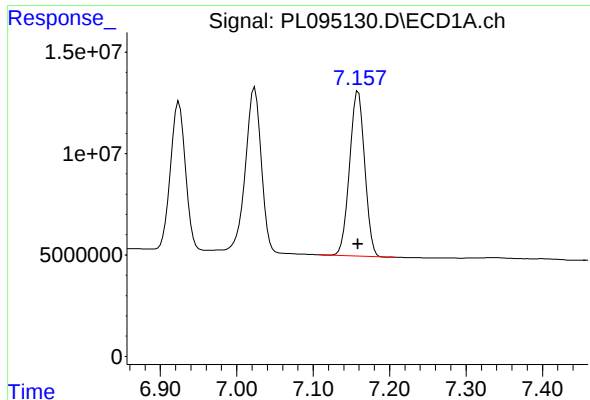
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 98352708
Conc: 46.59 ng/ml



#18 Endrin aldehyde

R.T.: 6.103 min
Delta R.T.: -0.006 min
Response: 164522360
Conc: 48.89 ng/ml



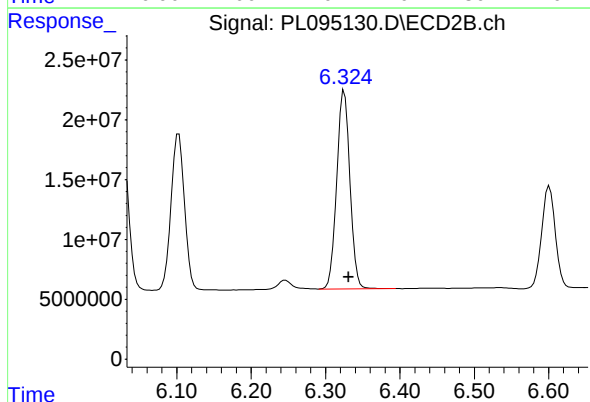
#19 Endosulfan Sulfate

R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 113011115
Conc: 46.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

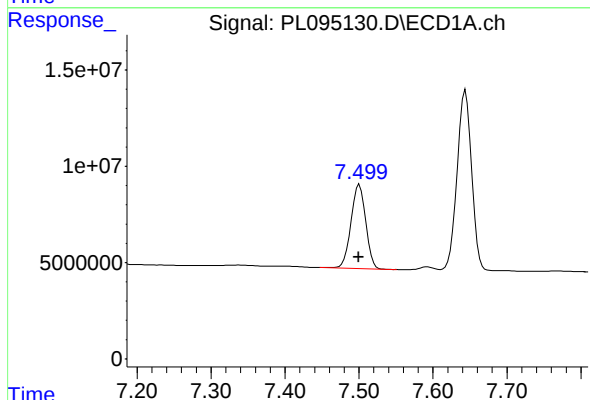
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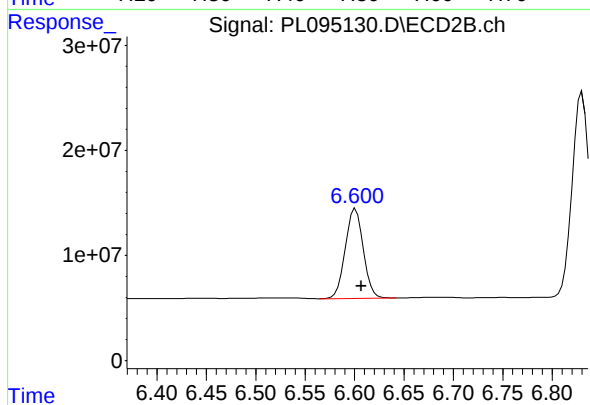
#19 Endosulfan Sulfate

R.T.: 6.325 min
Delta R.T.: -0.006 min
Response: 205019374
Conc: 50.33 ng/ml



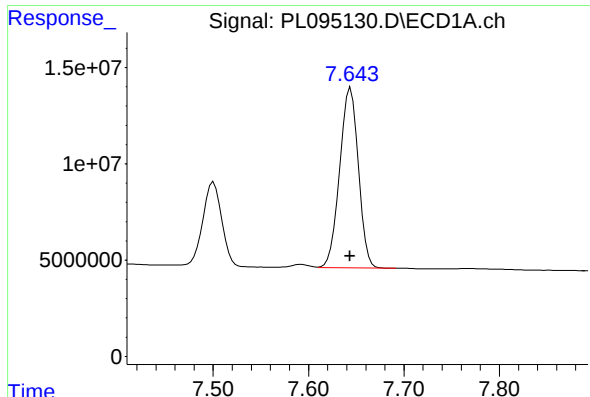
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 60152579
Conc: 50.25 ng/ml



#20 Methoxychlor

R.T.: 6.601 min
Delta R.T.: -0.006 min
Response: 108240824
Conc: 51.03 ng/ml



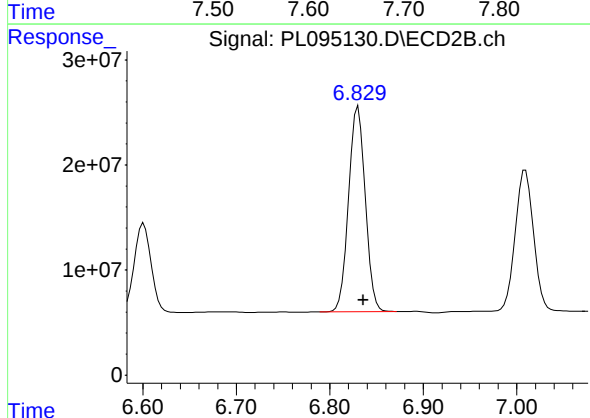
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 127169570
Conc: 48.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

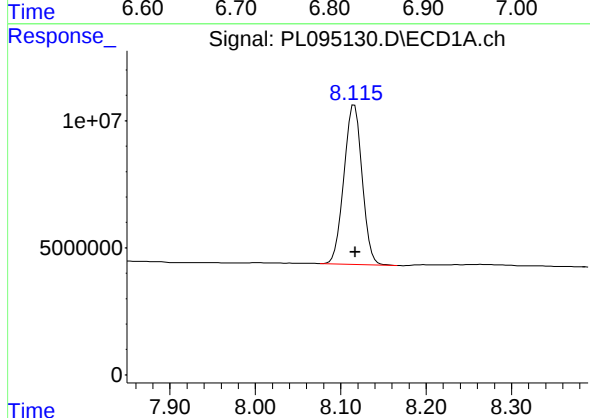
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



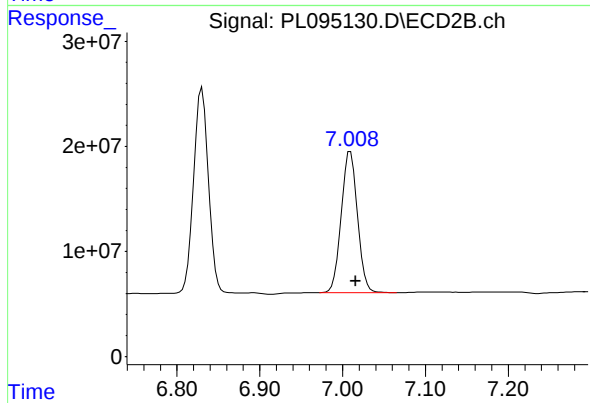
#21 Endrin ketone

R.T.: 6.829 min
Delta R.T.: -0.007 min
Response: 242596824
Conc: 50.83 ng/ml m



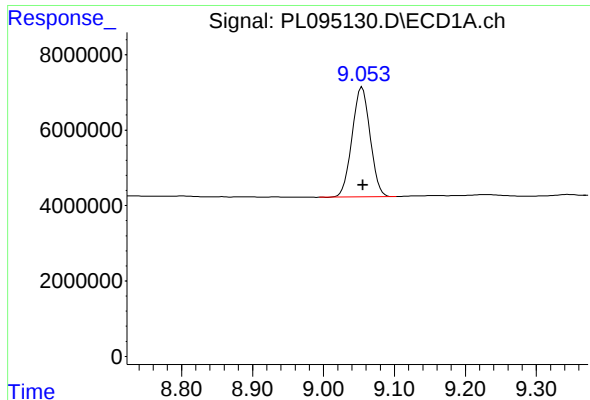
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 93080921
Conc: 45.05 ng/ml



#22 Mirex

R.T.: 7.008 min
Delta R.T.: -0.008 min
Response: 183551555
Conc: 48.36 ng/ml m



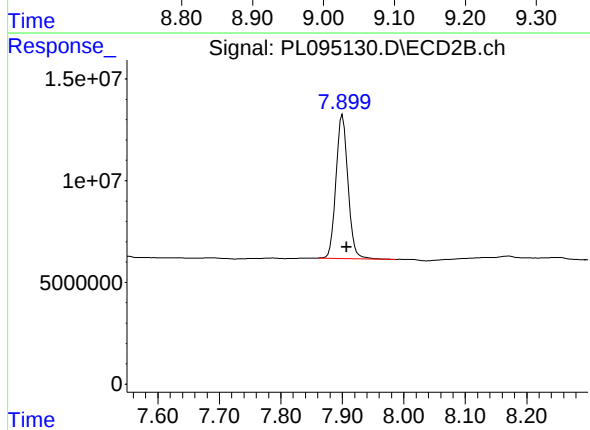
#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: -0.001 min
Response: 51398863
Conc: 24.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.006 min
Response: 95358492
Conc: 23.61 ng/ml