

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030625\
 Data File : PL094533.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Mar 2025 13:28
 Operator : AR\AJ
 Sample : Q1494-05MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 SOILMSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 03/07/2025
 Supervised By :mohammad ahmed 03/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 07 00:07:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 21 14:52:19 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...	3.536	2.772	58042739	70189917	22.860m	21.995
28) SA Decachlor...	9.057	7.909	41304445	70262401	19.417	18.271
Target Compounds						
2) A alpha-BHC	3.994	3.274	194.2E6	246.4E6	51.334	50.142
3) MA gamma-BHC...	4.327	3.604	187.0E6	239.1E6	50.603	50.758
4) MA Heptachlor	4.915	3.942	180.0E6	246.3E6	53.077	52.188
5) MB Aldrin	5.257	4.221	173.2E6	232.2E6	50.457	50.253
6) B beta-BHC	4.526	3.904	85511682	105.0E6	53.548	52.801
7) B delta-BHC	4.773	4.133	187.2E6	247.9E6	52.908	52.349
8) B Heptachlo...	5.683	4.724	155.7E6	219.9E6	51.659	51.673
9) A Endosulfan I	6.069	5.094	144.3E6	207.8E6	52.516	52.123
10) B gamma-Chl...	5.940	4.974	155.9E6	228.8E6	53.112	52.724
11) B alpha-Chl...	6.019	5.038	153.7E6	224.6E6	53.055	52.013
12) B 4,4'-DDE	6.193	5.227	148.6E6	228.0E6	56.898	54.297
13) MA Dieldrin	6.345	5.359	150.0E6	229.8E6	52.651	52.440
14) MA Endrin	6.574	5.634	128.8E6	216.6E6	50.476m	63.625 #
15) B Endosulfa...	6.795	5.930	126.1E6	205.1E6	50.109	54.843
16) A 4,4'-DDD	6.711	5.782	114.8E6	184.5E6	62.037	57.924
17) MA 4,4'-DDT	7.025	6.032	115.0E6	193.7E6	54.756	54.452
18) B Endrin al...	6.925	6.108	98820620	155.4E6	50.761	49.174
19) B Endosulfa...	7.160	6.332	116.7E6	191.7E6	51.562	51.890
20) A Methoxychlor	7.501	6.608	59572376	103.8E6	53.618	53.178
21) B Endrin ke...	7.645	6.837	127.9E6	220.8E6	51.004	51.730
22) Mirex	8.118	7.017	95950053	169.0E6	46.503	48.462

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030625\
Data File : PL094533.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Mar 2025 13:28
Operator : AR\AJ
Sample : Q1494-05MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

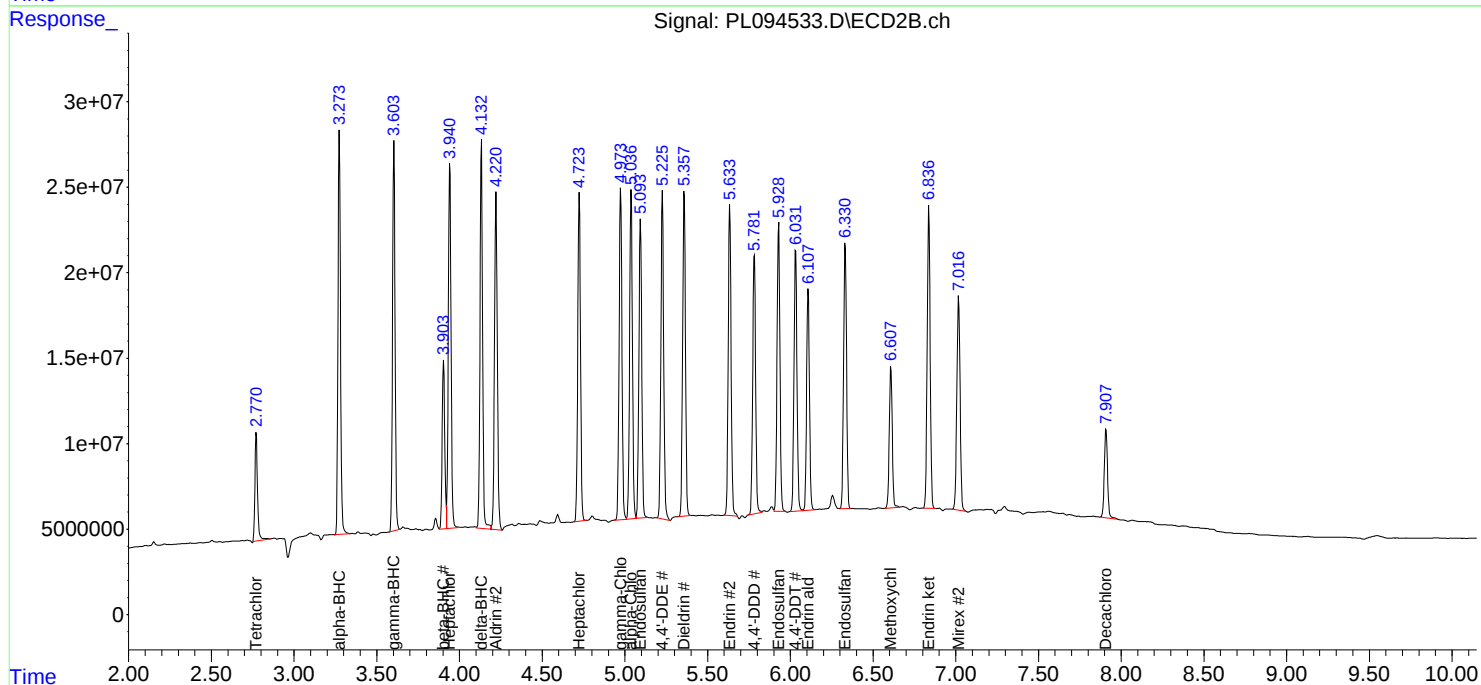
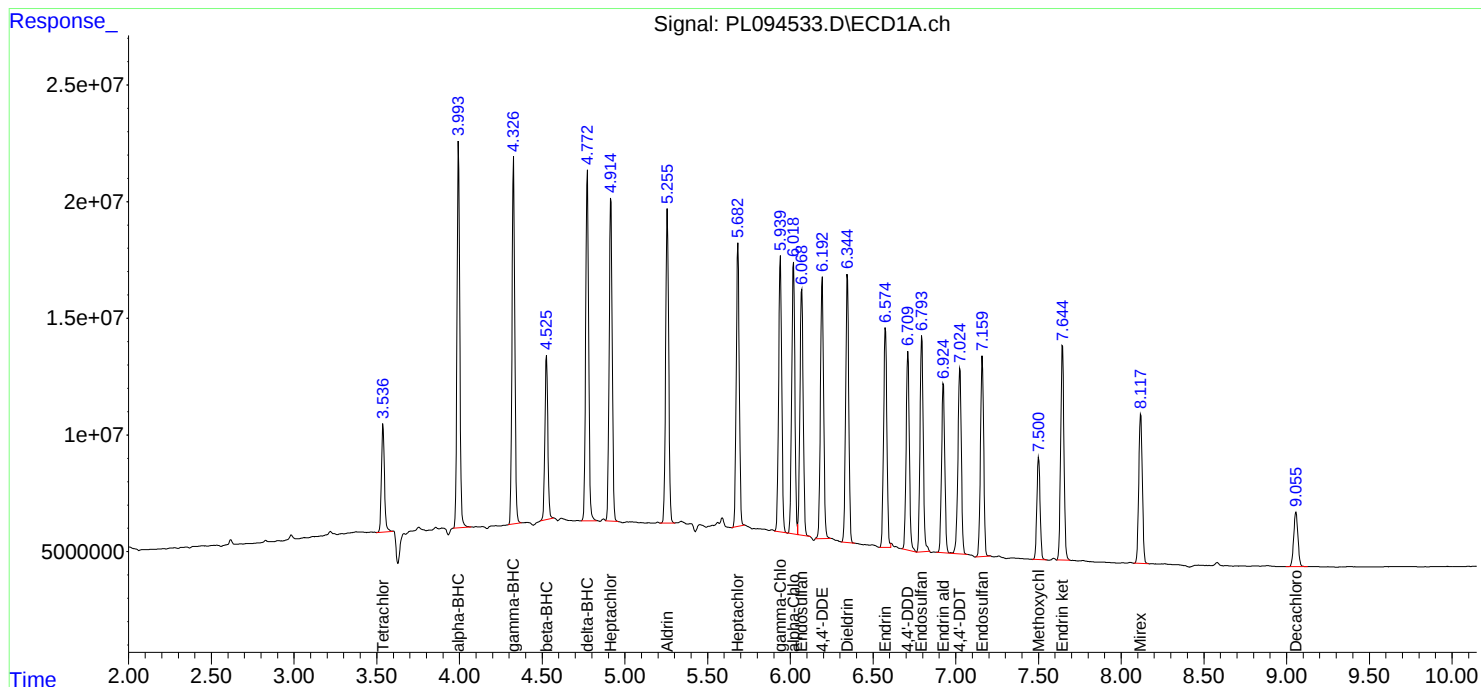
Instrument :
ECD_L
ClientSampleId :
SOILMSD

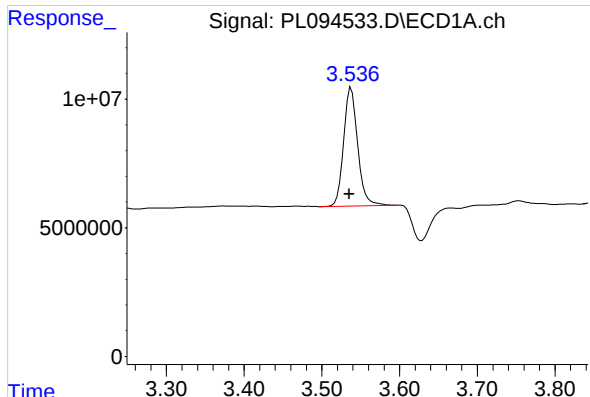
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 03/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 07 00:07:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 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





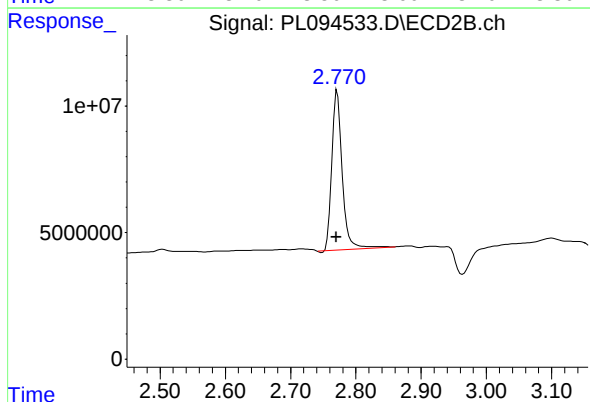
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: 0.001 min
Response: 58042739
Conc: 22.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOILMSD

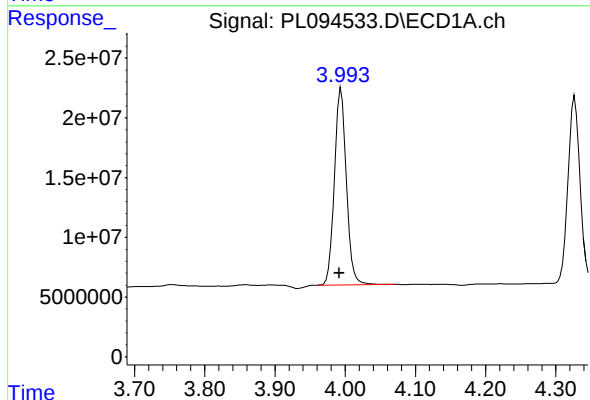
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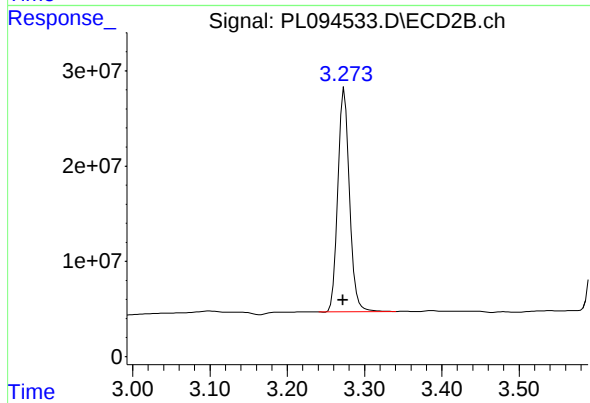
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.001 min
Response: 70189917
Conc: 22.00 ng/ml



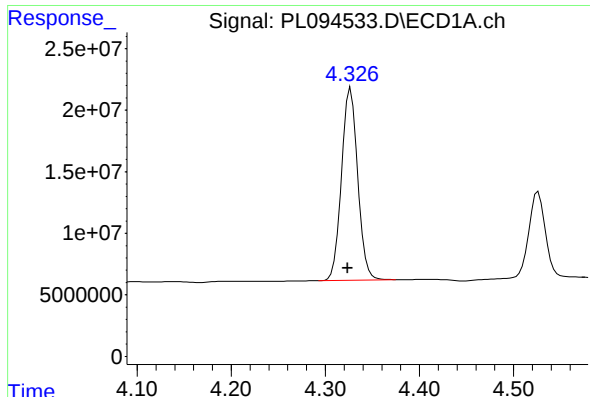
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.003 min
Response: 194180014
Conc: 51.33 ng/ml



#2 alpha-BHC

R.T.: 3.274 min
Delta R.T.: 0.002 min
Response: 246436216
Conc: 50.14 ng/ml



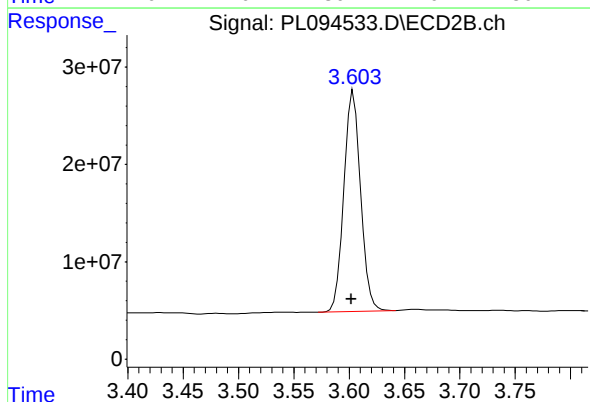
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.003 min
Response: 186964901
Conc: 50.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOILMSD

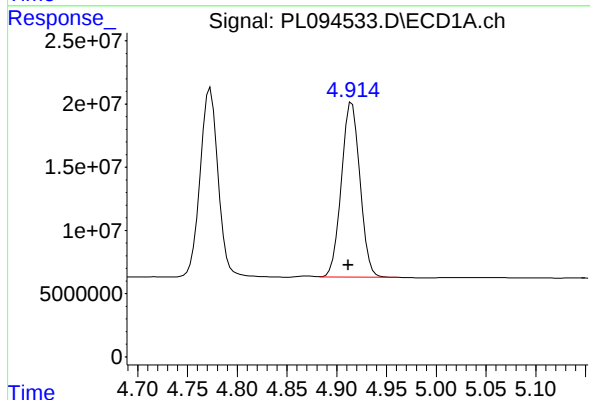
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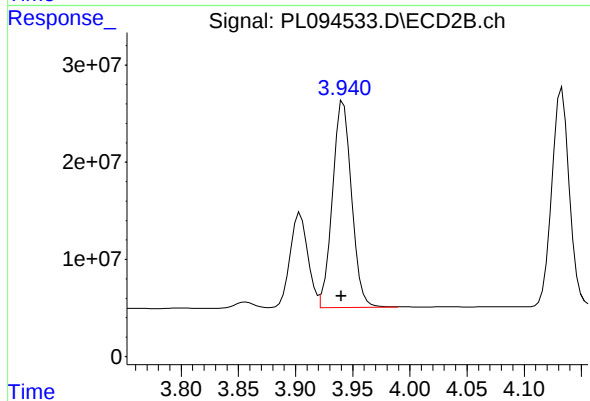
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: 0.002 min
Response: 239066851
Conc: 50.76 ng/ml



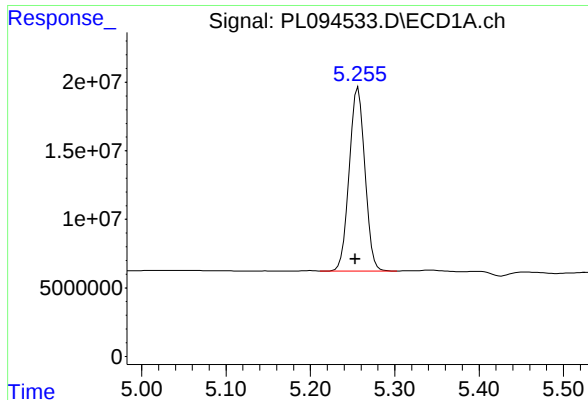
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.004 min
Response: 179950162
Conc: 53.08 ng/ml



#4 Heptachlor

R.T.: 3.942 min
Delta R.T.: 0.002 min
Response: 246342756
Conc: 52.19 ng/ml



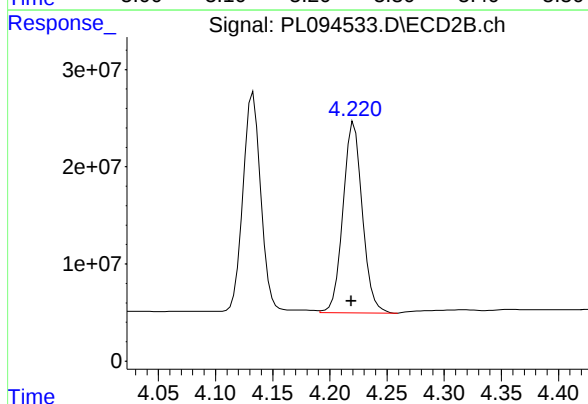
#5 Aldrin

R.T.: 5.257 min
Delta R.T.: 0.004 min
Response: 173156555
Conc: 50.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOILMSD

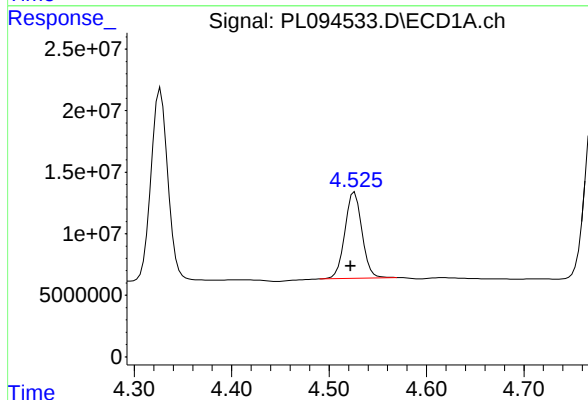
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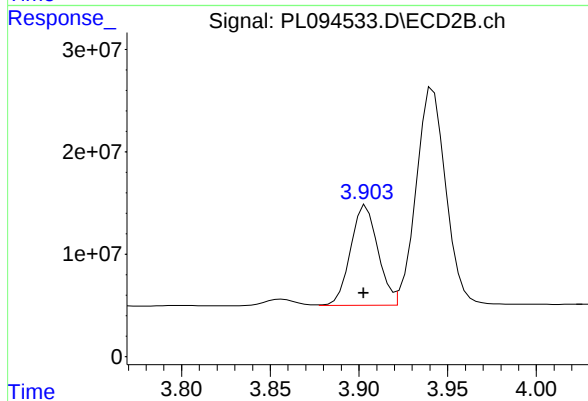
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: 0.002 min
Response: 232187143
Conc: 50.25 ng/ml



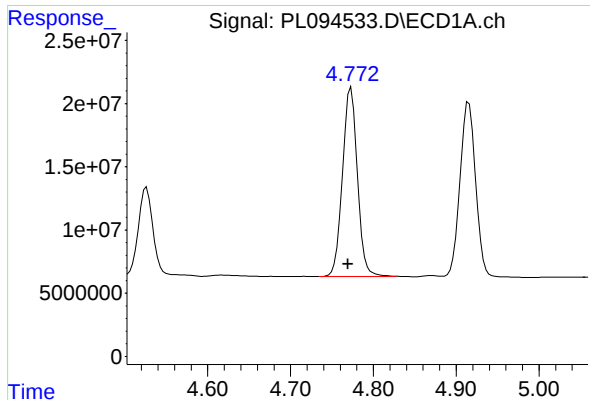
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.004 min
Response: 85511682
Conc: 53.55 ng/ml



#6 beta-BHC

R.T.: 3.904 min
Delta R.T.: 0.001 min
Response: 105017655
Conc: 52.80 ng/ml



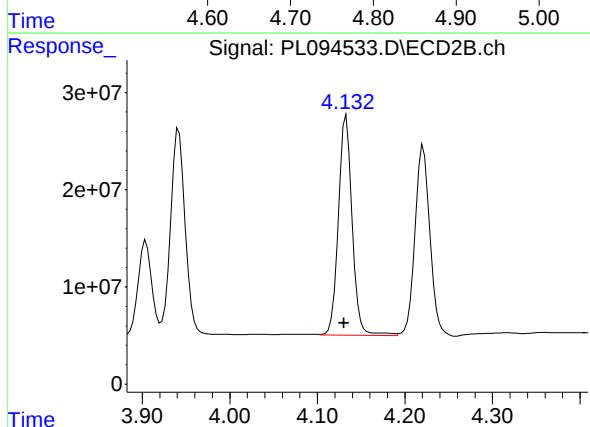
#7 delta-BHC

R.T.: 4.773 min
Delta R.T.: 0.004 min
Response: 187202442
Conc: 52.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOILMSD

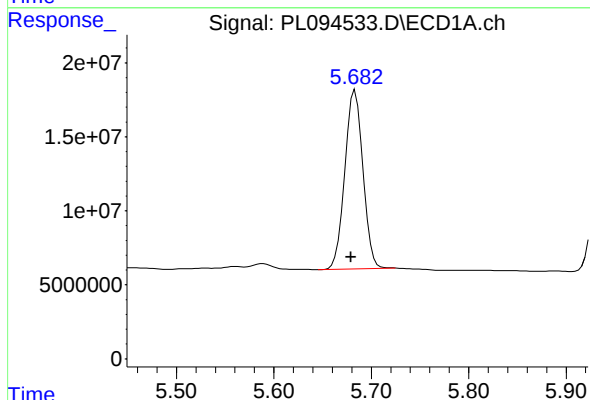
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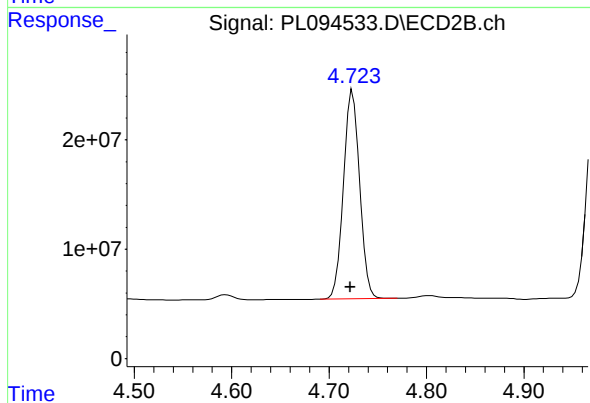
#7 delta-BHC

R.T.: 4.133 min
Delta R.T.: 0.003 min
Response: 247911250
Conc: 52.35 ng/ml



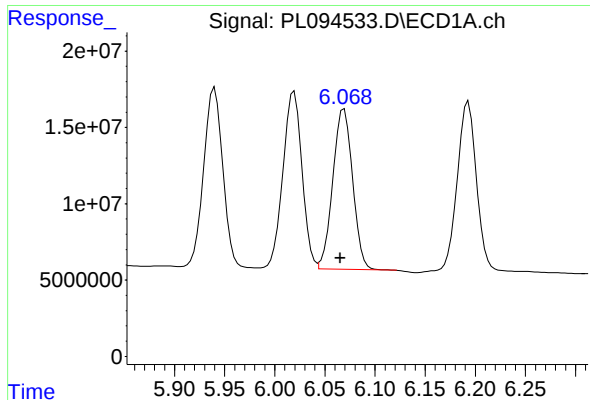
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.004 min
Response: 155667430
Conc: 51.66 ng/ml



#8 Heptachlor epoxide

R.T.: 4.724 min
Delta R.T.: 0.002 min
Response: 219889419
Conc: 51.67 ng/ml



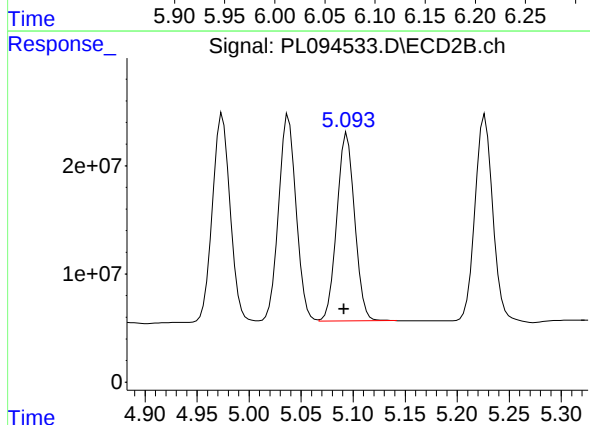
#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.004 min
Response: 144346350
Conc: 52.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOILMSD

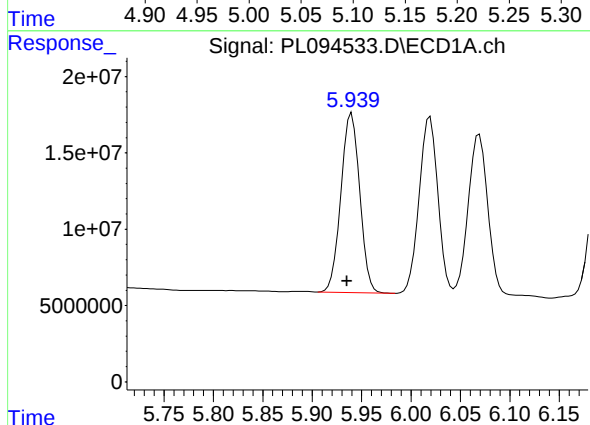
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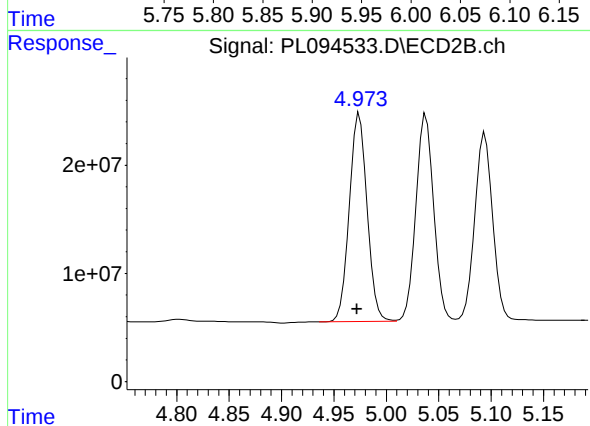
#9 Endosulfan I

R.T.: 5.094 min
Delta R.T.: 0.003 min
Response: 207794061
Conc: 52.12 ng/ml



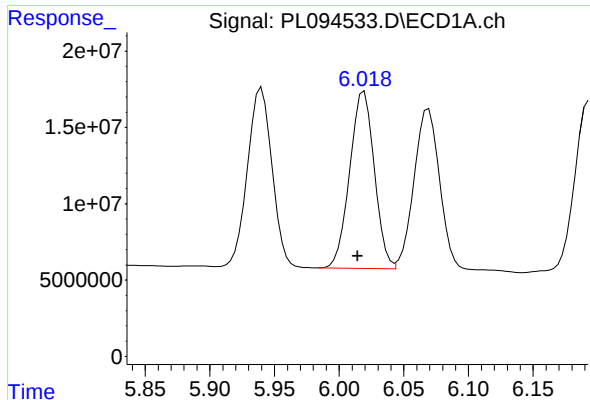
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.005 min
Response: 155943545
Conc: 53.11 ng/ml



#10 gamma-Chlordane

R.T.: 4.974 min
Delta R.T.: 0.002 min
Response: 228759760
Conc: 52.72 ng/ml



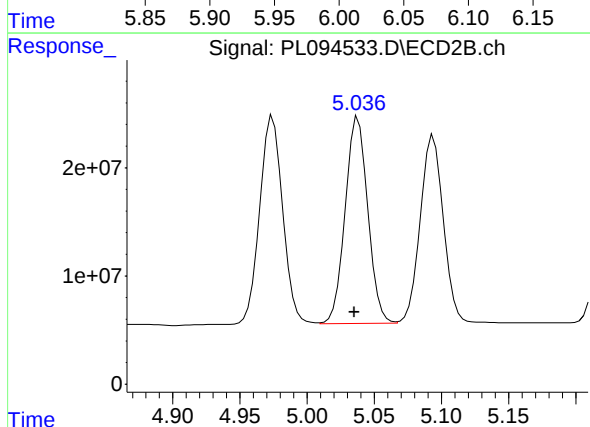
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: 0.005 min
Response: 153704955
Conc: 53.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOILMSD

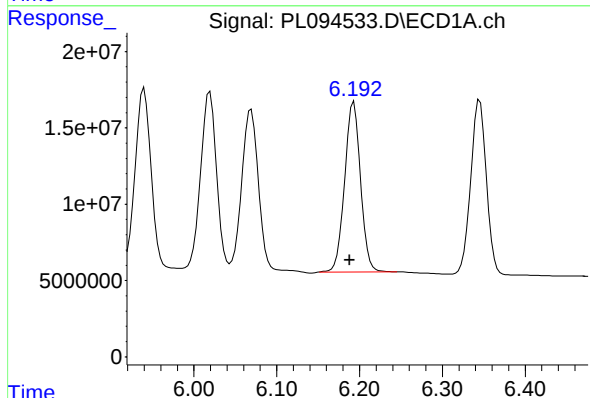
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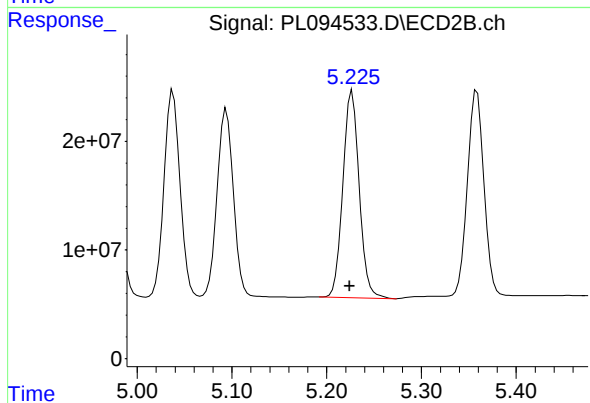
#11 alpha-Chlordane

R.T.: 5.038 min
Delta R.T.: 0.003 min
Response: 224570334
Conc: 52.01 ng/ml



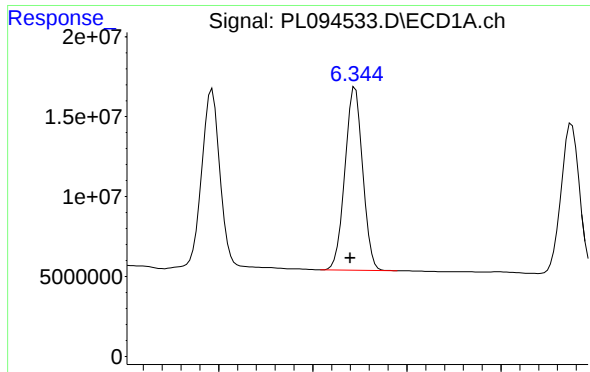
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.005 min
Response: 148602249
Conc: 56.90 ng/ml



#12 4,4'-DDE

R.T.: 5.227 min
Delta R.T.: 0.003 min
Response: 228048365
Conc: 54.30 ng/ml



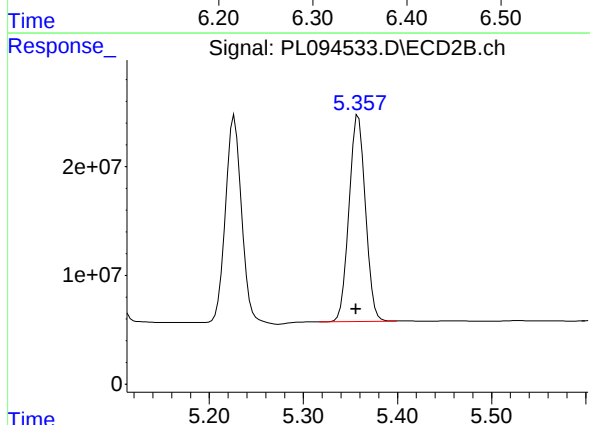
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.005 min
Response: 150004636
Conc: 52.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOILMSD

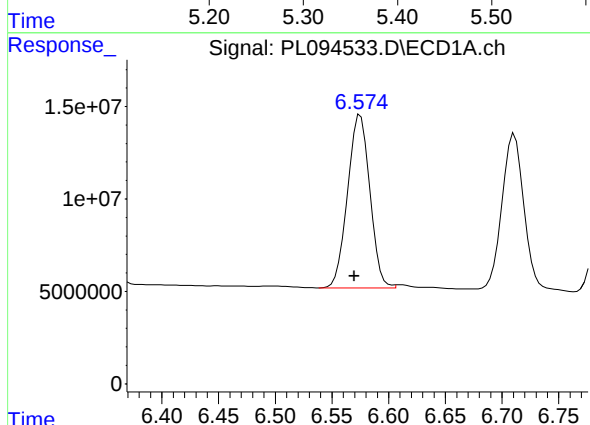
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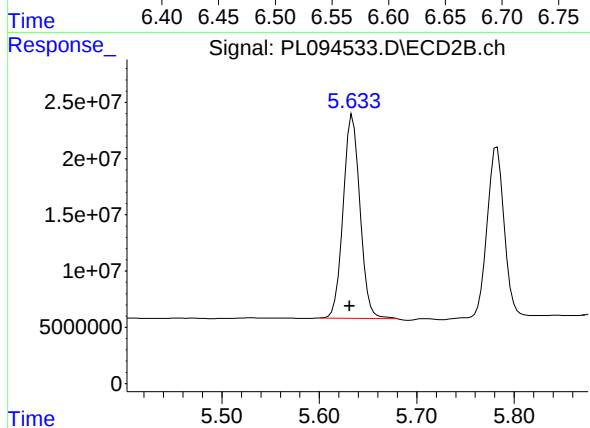
#13 Dieldrin

R.T.: 5.359 min
Delta R.T.: 0.003 min
Response: 229780119
Conc: 52.44 ng/ml



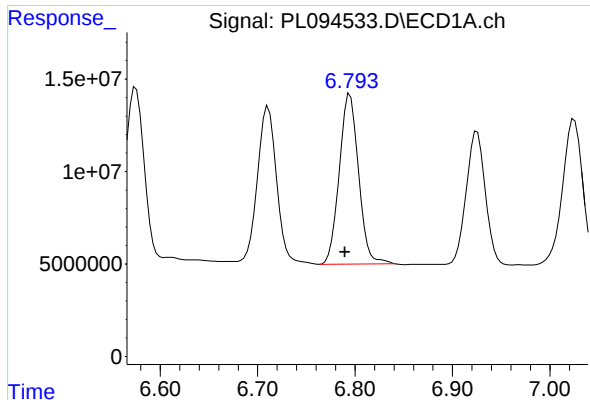
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.004 min
Response: 128829929
Conc: 50.48 ng/ml m



#14 Endrin

R.T.: 5.634 min
Delta R.T.: 0.003 min
Response: 216625224
Conc: 63.63 ng/ml



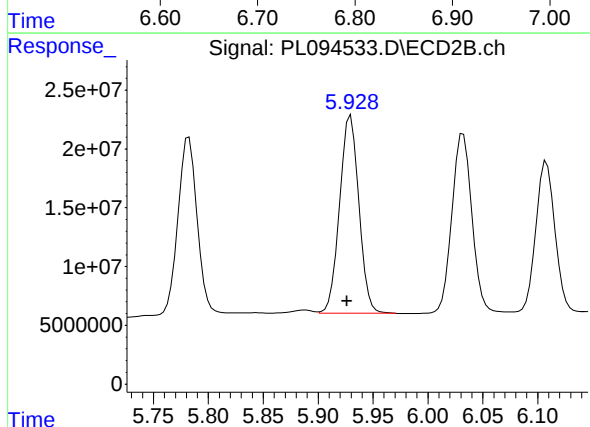
#15 Endosulfan II

R.T.: 6.795 min
Delta R.T.: 0.005 min
Response: 126136303
Conc: 50.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOILMSD

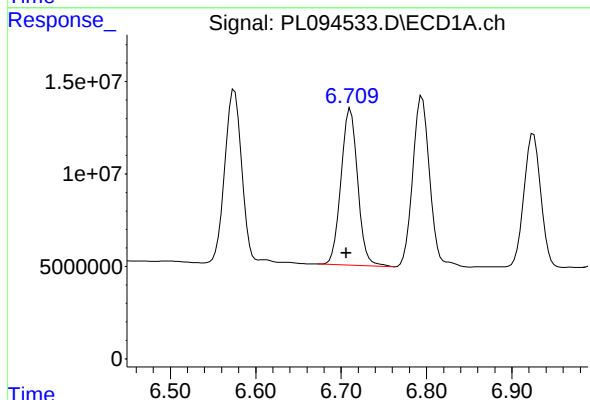
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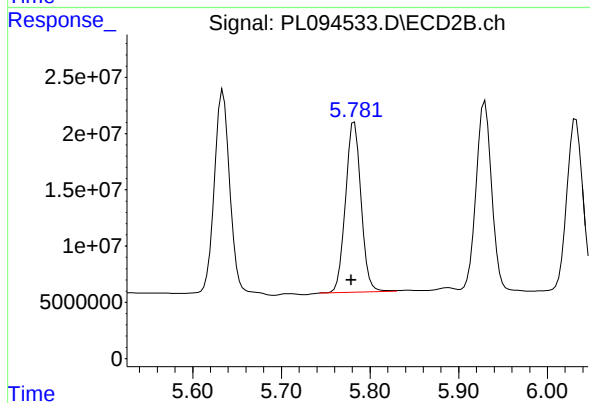
#15 Endosulfan II

R.T.: 5.930 min
Delta R.T.: 0.004 min
Response: 205088436
Conc: 54.84 ng/ml



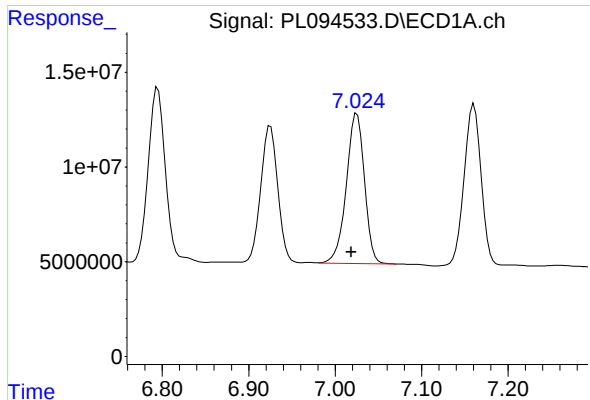
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.005 min
Response: 114753048
Conc: 62.04 ng/ml



#16 4,4'-DDD

R.T.: 5.782 min
Delta R.T.: 0.003 min
Response: 184507704
Conc: 57.92 ng/ml



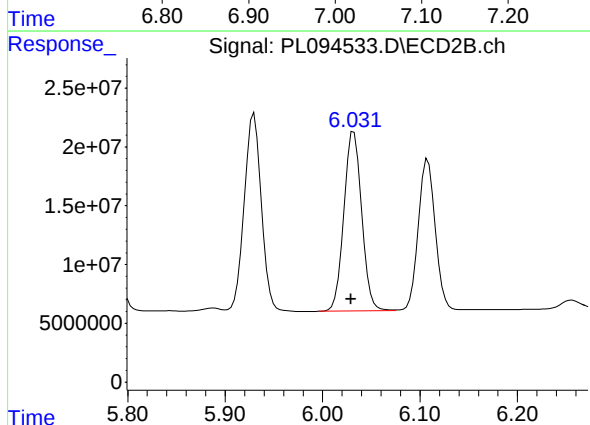
#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.006 min
Response: 114988766
Conc: 54.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOILMSD

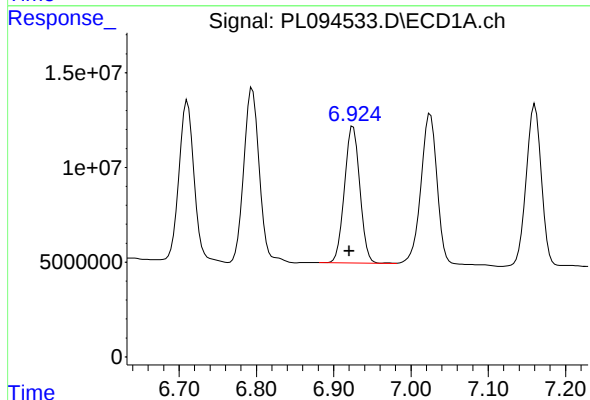
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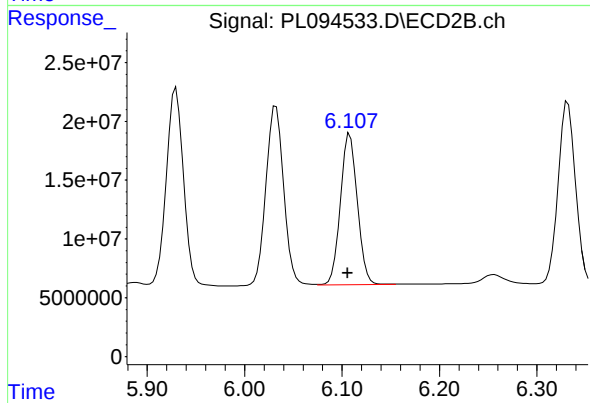
#17 4,4'-DDT

R.T.: 6.032 min
Delta R.T.: 0.003 min
Response: 193686990
Conc: 54.45 ng/ml



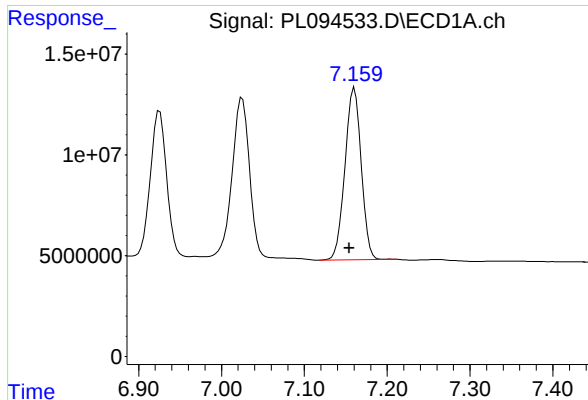
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.005 min
Response: 98820620
Conc: 50.76 ng/ml



#18 Endrin aldehyde

R.T.: 6.108 min
Delta R.T.: 0.002 min
Response: 155409489
Conc: 49.17 ng/ml



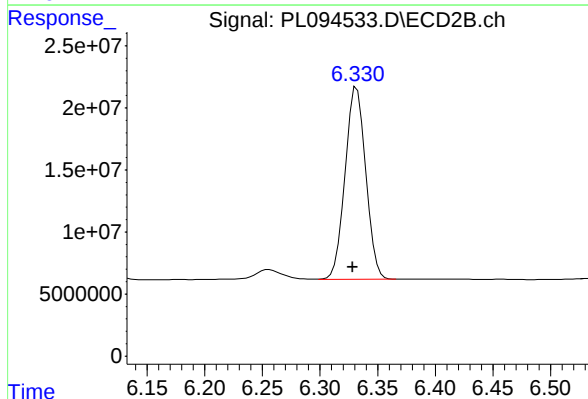
#19 Endosulfan Sulfate

R.T.: 7.160 min
Delta R.T.: 0.006 min
Response: 116728240
Conc: 51.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOILMSD

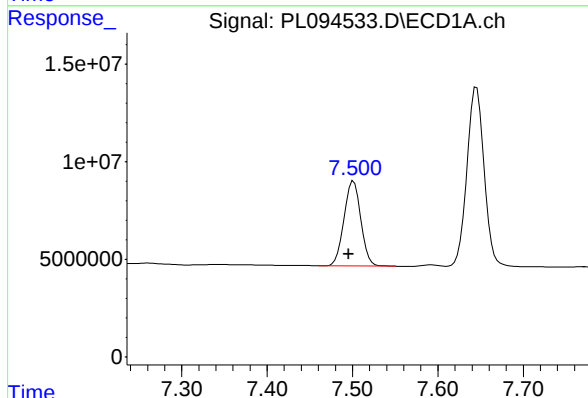
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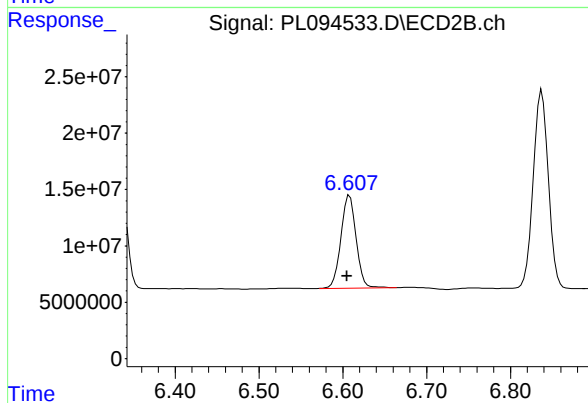
#19 Endosulfan Sulfate

R.T.: 6.332 min
Delta R.T.: 0.003 min
Response: 191663165
Conc: 51.89 ng/ml



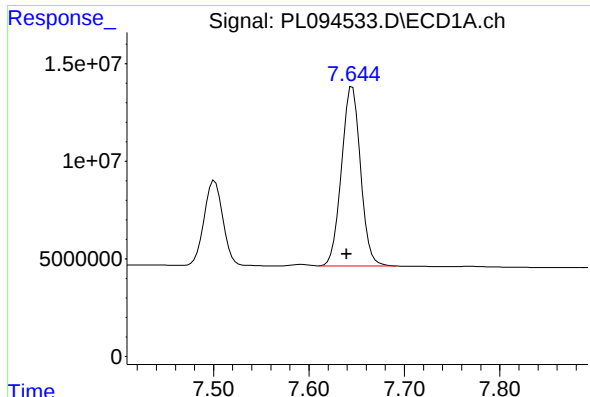
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.006 min
Response: 59572376
Conc: 53.62 ng/ml



#20 Methoxychlor

R.T.: 6.608 min
Delta R.T.: 0.003 min
Response: 103751208
Conc: 53.18 ng/ml



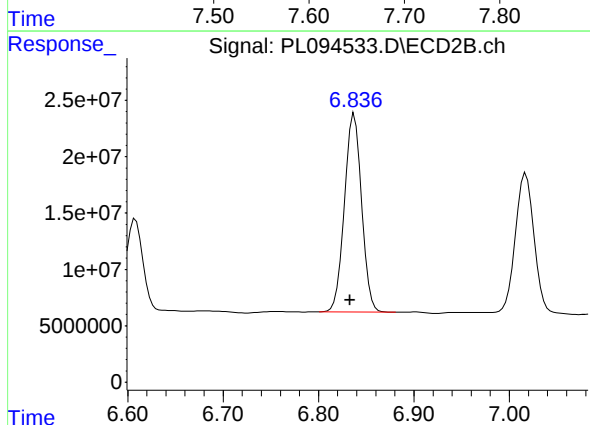
#21 Endrin ketone

R.T.: 7.645 min
Delta R.T.: 0.006 min
Response: 127863767
Conc: 51.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOILMSD

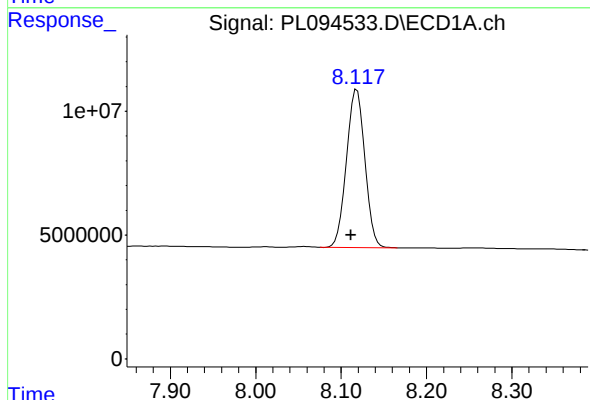
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/07/2025
Supervised By :mohammad ahmed 03/08/2025



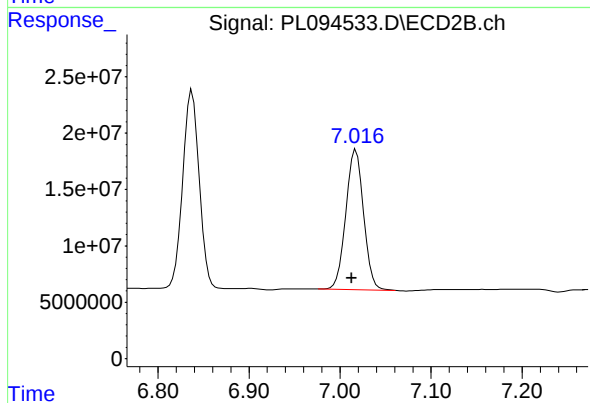
#21 Endrin ketone

R.T.: 6.837 min
Delta R.T.: 0.004 min
Response: 220757319
Conc: 51.73 ng/ml



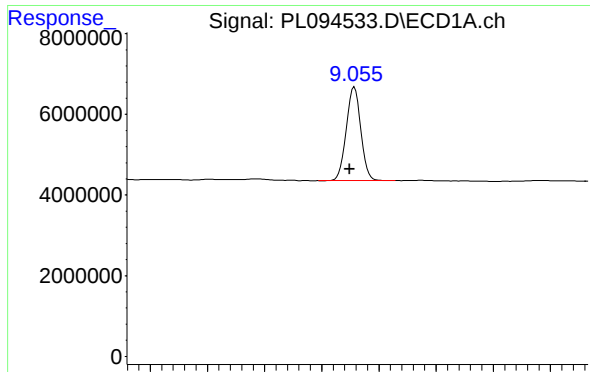
#22 Mirex

R.T.: 8.118 min
Delta R.T.: 0.007 min
Response: 95950053
Conc: 46.50 ng/ml



#22 Mirex

R.T.: 7.017 min
Delta R.T.: 0.005 min
Response: 168987005
Conc: 48.46 ng/ml



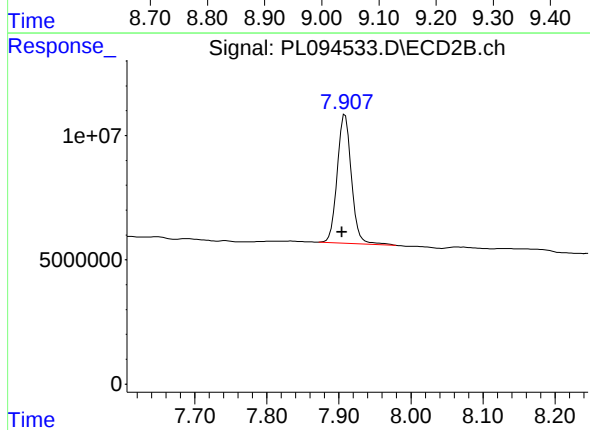
#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.008 min
Response: 41304445
Conc: 19.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOILMSD

Manual Integrations
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Supervised By :mohammad ahmed 03/08/2025



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.004 min
Response: 70262401
Conc: 18.27 ng/ml