

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041725\
 Data File : PL095298.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Apr 2025 19:09
 Operator : AR\AJ
 Sample : Q1821-01MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 SOIL-CUTTINGMSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/18/2025
 Supervised By :mohammad ahmed 04/18/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 18 00:30:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 14 19:12:49 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...	3.534	2.768	42462136	54216027	15.479m	14.569
28) SA Decachlor...	9.049	7.898	36162222	60889058	15.019	13.841
Target Compounds						
2) A alpha-BHC	3.991	3.269	168.8E6	229.6E6	41.993	41.460
3) MA gamma-BHC...	4.324	3.598	161.3E6	216.9E6	41.949	41.216
4) MA Heptachlor	4.911	3.936	155.5E6	222.1E6	42.415	42.720
5) MB Aldrin	5.253	4.215	151.9E6	211.5E6	43.030	43.399
6) B beta-BHC	4.523	3.899	73439777	97526900	41.887	42.089
7) B delta-BHC	4.769	4.127	163.4E6	216.6E6	41.709	41.893
8) B Heptachlo...	5.679	4.717	141.9E6	200.4E6	44.203	43.861
9) A Endosulfan I	6.065	5.087	132.3E6	190.3E6	42.709	43.829
10) B gamma-Chl...	5.934	4.967	145.0E6	212.8E6	43.415m	44.182
11) B alpha-Chl...	6.014	5.030	140.6E6	207.2E6	42.356	43.720
12) B 4,4'-DDE	6.189	5.219	134.9E6	205.2E6	41.243	42.617
13) MA Dieldrin	6.340	5.351	142.9E6	211.6E6	43.359	44.074
14) MA Endrin	6.570	5.626	113.6E6	184.6E6	43.595	44.188
15) B Endosulfa...	6.789	5.922	116.2E6	187.3E6	40.752	42.666
16) A 4,4'-DDD	6.707	5.774	116.7E6	167.8E6	45.955	43.125
17) MA 4,4'-DDT	7.020	6.024	106.5E6	169.6E6	41.842	40.700
18) B Endrin al...	6.920	6.100	90478206	141.0E6	41.106	41.842
19) B Endosulfa...	7.155	6.324	109.5E6	182.1E6	42.605	43.610
20) A Methoxychlor	7.497	6.599	50958187	96665820	38.044	43.045
21) B Endrin ke...	7.640	6.828	128.1E6	208.5E6	44.374	41.359
22) Mirex	8.112	7.007	88525857	157.0E6	41.616	39.929

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041725\
Data File : PL095298.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Apr 2025 19:09
Operator : AR\AJ
Sample : Q1821-01MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

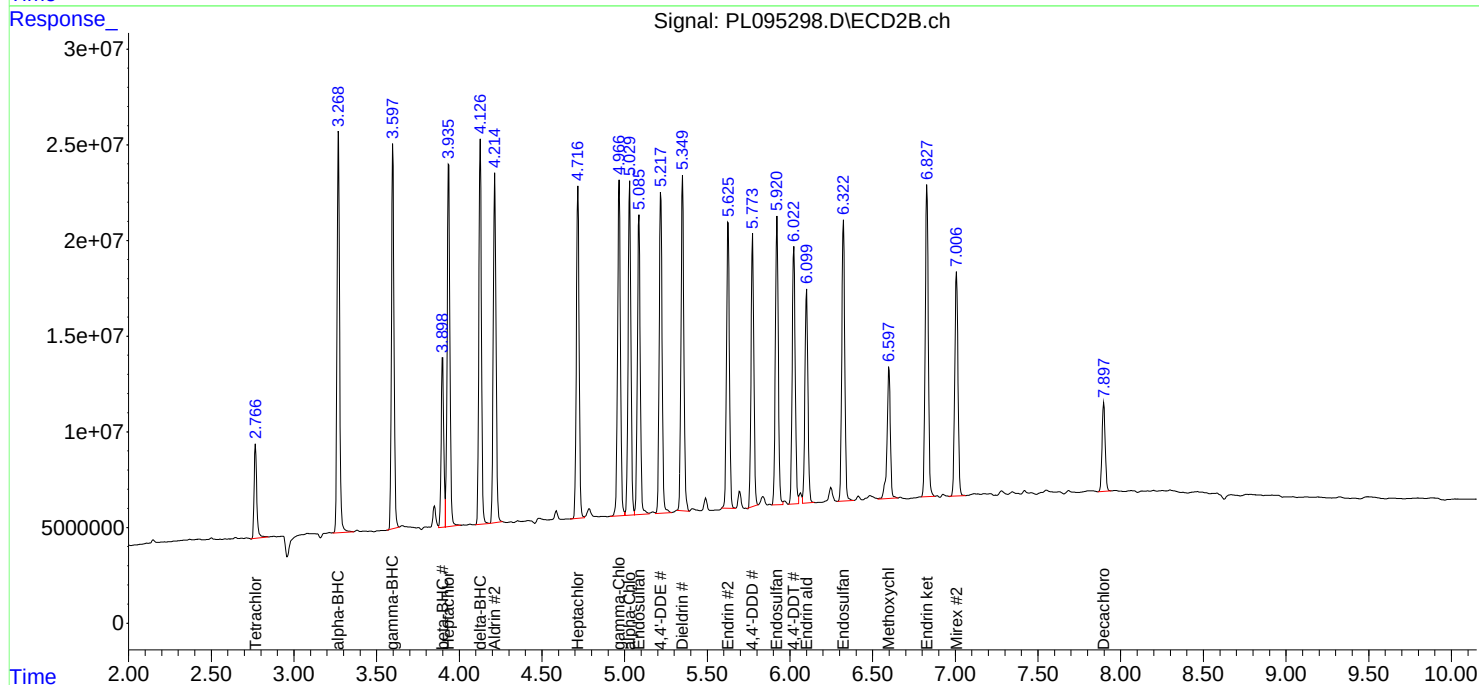
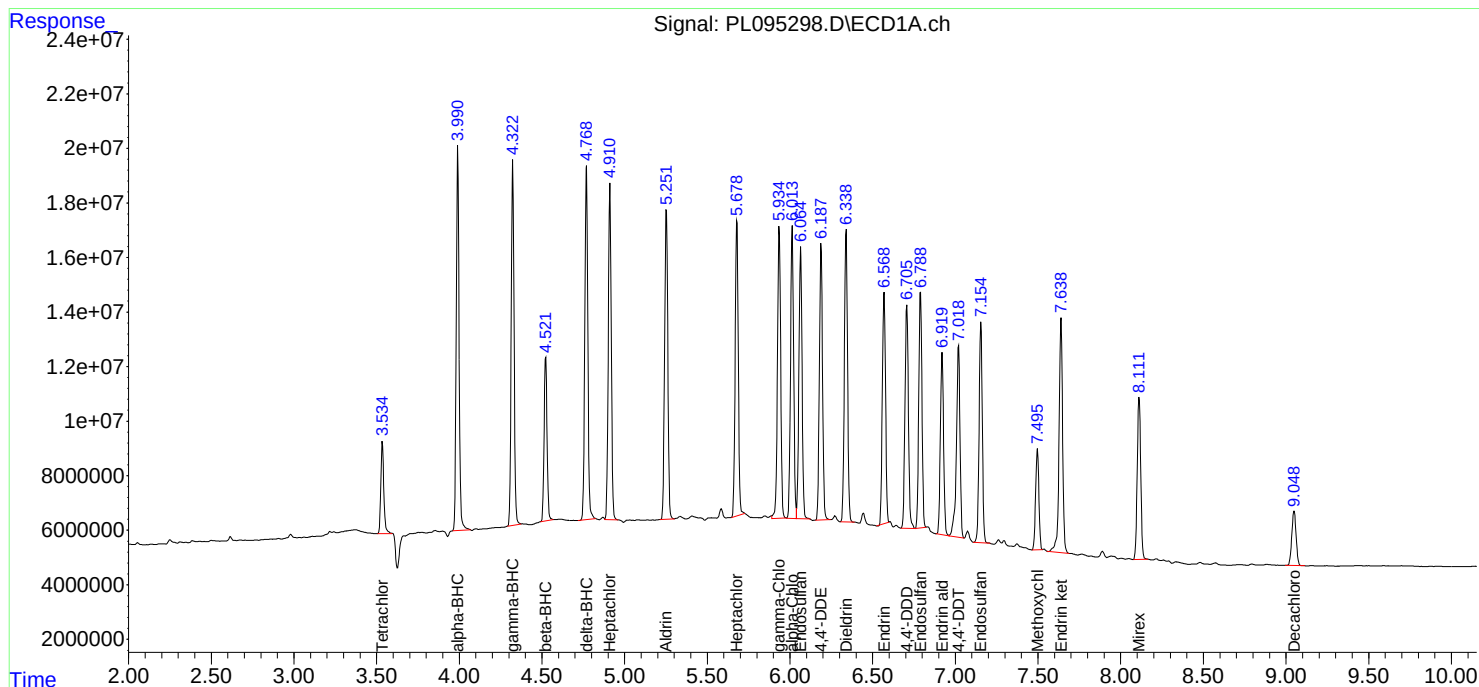
Instrument :
ECD_L
ClientSampleId :
SOIL-CUTTINGMSD

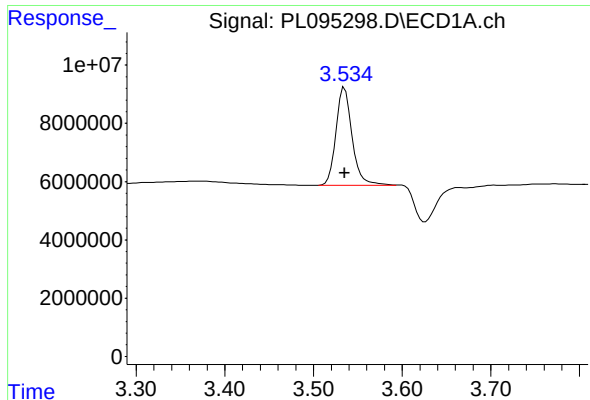
Manual Integrations
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Supervised By :mohammad ahmed 04/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 18 00:30:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
Quant Title : GC Extractables
QLast Update : Mon Apr 14 19:12:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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





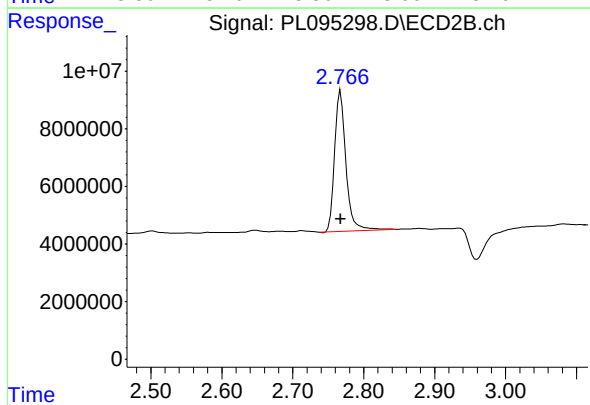
#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: -0.001 min
Response: 42462136
Conc: 15.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-CUTTINGMSD

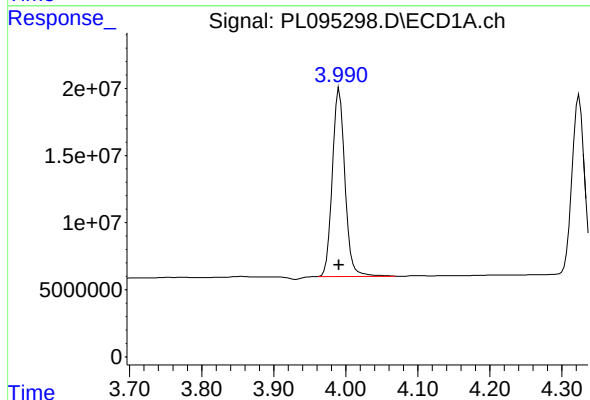
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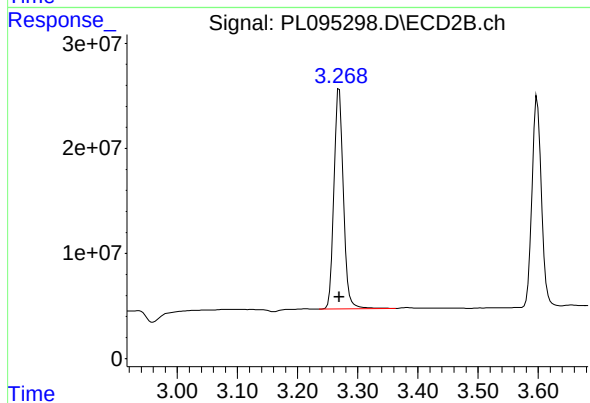
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: 0.000 min
Response: 54216027
Conc: 14.57 ng/ml



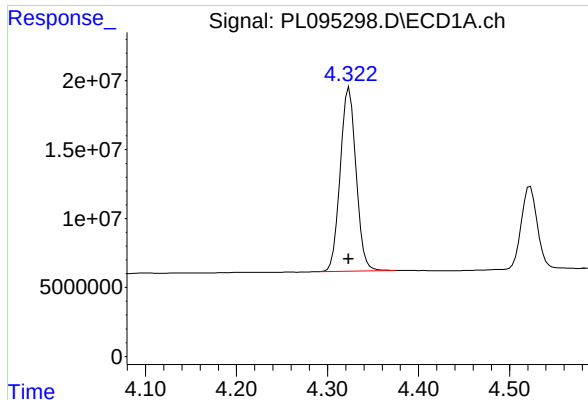
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: 0.000 min
Response: 168776841
Conc: 41.99 ng/ml



#2 alpha-BHC

R.T.: 3.269 min
Delta R.T.: 0.000 min
Response: 229584527
Conc: 41.46 ng/ml



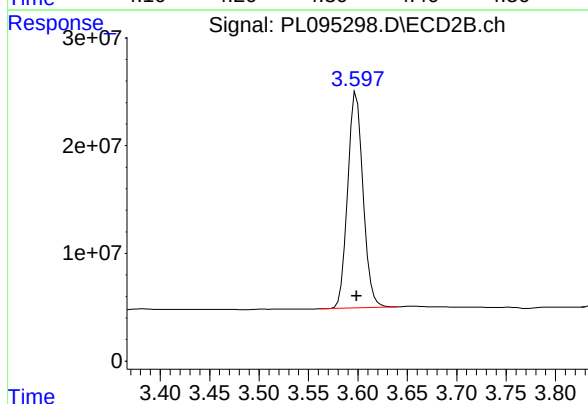
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 161317911
Conc: 41.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-CUTTINGMSD

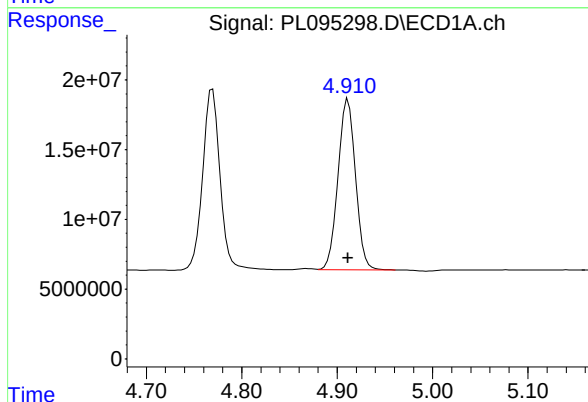
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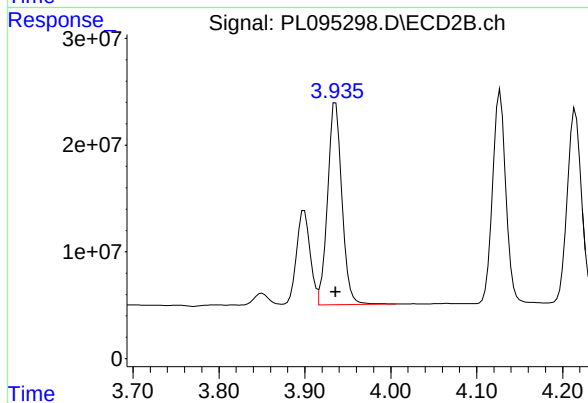
#3 gamma-BHC (Lindane)

R.T.: 3.598 min
Delta R.T.: 0.000 min
Response: 216924103
Conc: 41.22 ng/ml



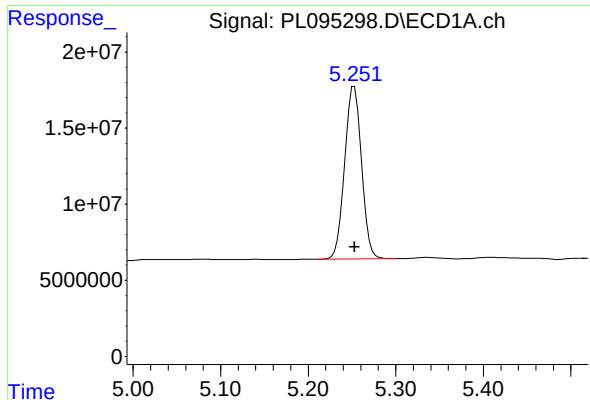
#4 Heptachlor

R.T.: 4.911 min
Delta R.T.: 0.000 min
Response: 155512603
Conc: 42.42 ng/ml



#4 Heptachlor

R.T.: 3.936 min
Delta R.T.: 0.000 min
Response: 222120812
Conc: 42.72 ng/ml



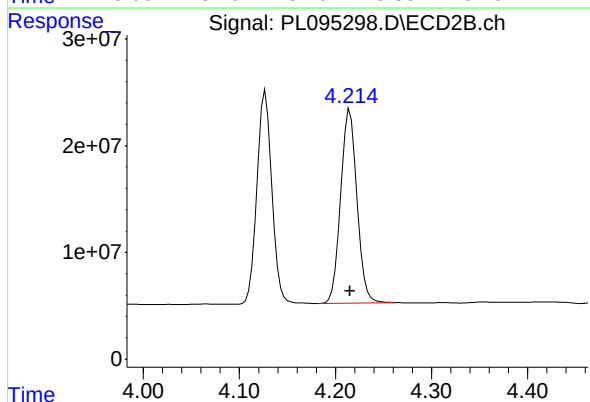
#5 Aldrin

R.T.: 5.253 min
Delta R.T.: 0.000 min
Response: 151857941
Conc: 43.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-CUTTINGMSD

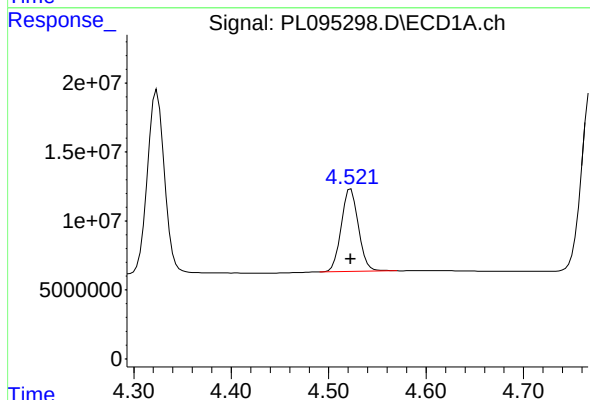
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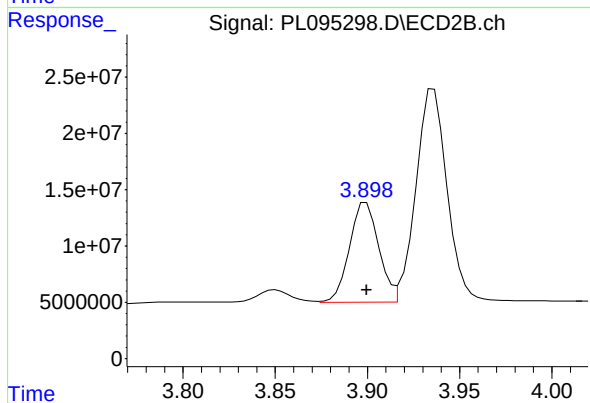
#5 Aldrin

R.T.: 4.215 min
Delta R.T.: 0.000 min
Response: 211504870
Conc: 43.40 ng/ml



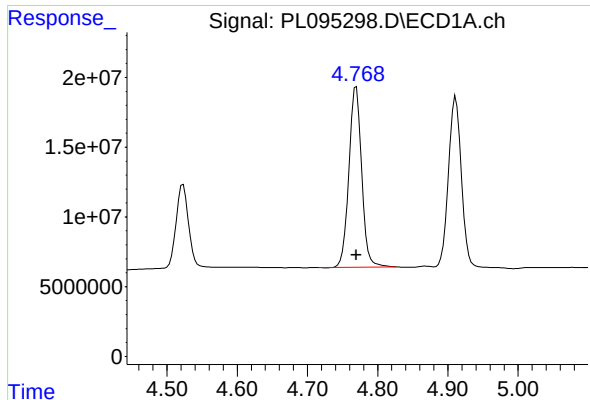
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: 0.000 min
Response: 73439777
Conc: 41.89 ng/ml



#6 beta-BHC

R.T.: 3.899 min
Delta R.T.: 0.000 min
Response: 97526900
Conc: 42.09 ng/ml



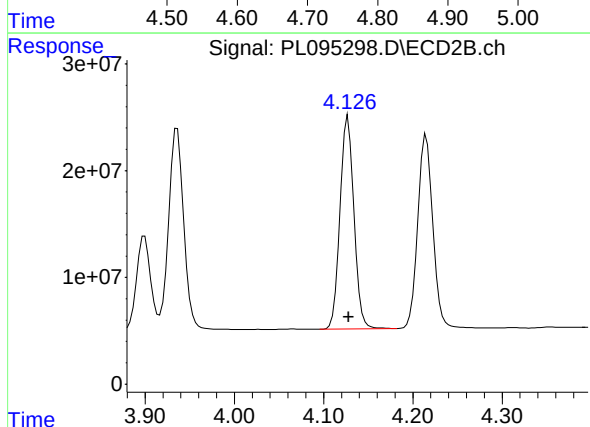
#7 delta-BHC

R.T.: 4.769 min
Delta R.T.: 0.000 min
Response: 163442170
Conc: 41.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-CUTTINGMSD

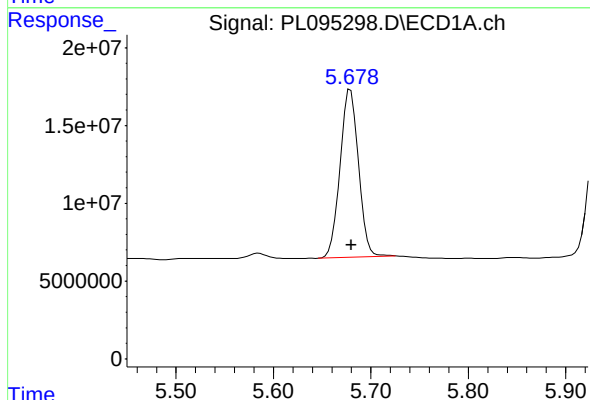
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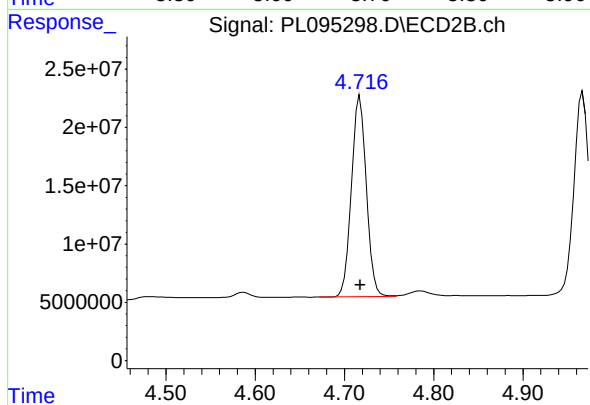
#7 delta-BHC

R.T.: 4.127 min
Delta R.T.: 0.000 min
Response: 216587580
Conc: 41.89 ng/ml



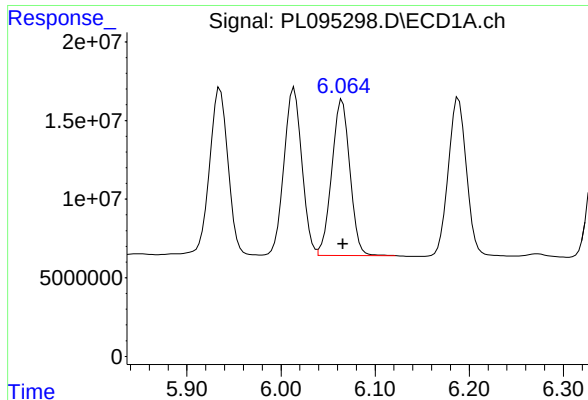
#8 Heptachlor epoxide

R.T.: 5.679 min
Delta R.T.: 0.000 min
Response: 141927276
Conc: 44.20 ng/ml



#8 Heptachlor epoxide

R.T.: 4.717 min
Delta R.T.: 0.000 min
Response: 200385603
Conc: 43.86 ng/ml



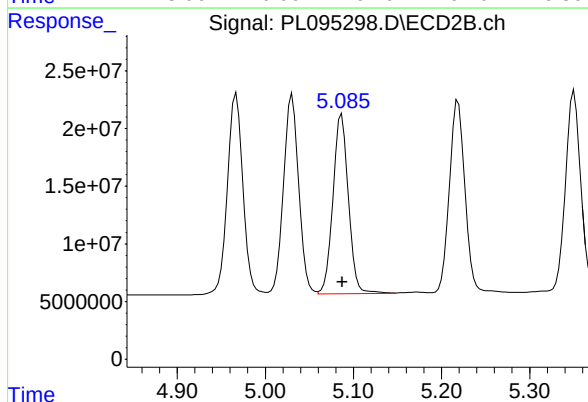
#9 Endosulfan I

R.T.: 6.065 min
Delta R.T.: 0.000 min
Response: 132331509
Conc: 42.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-CUTTINGMSD

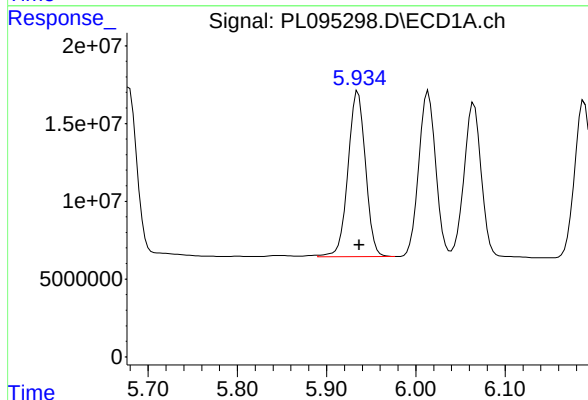
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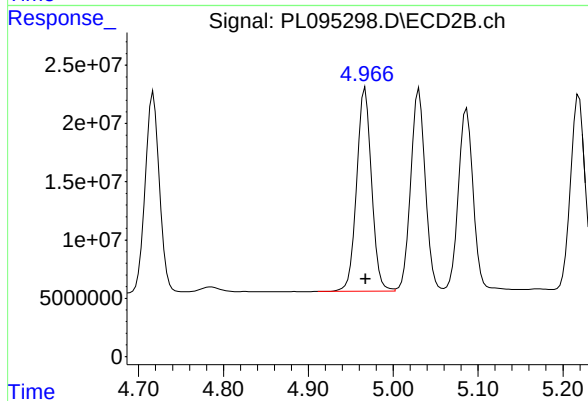
#9 Endosulfan I

R.T.: 5.087 min
Delta R.T.: 0.000 min
Response: 190256843
Conc: 43.83 ng/ml



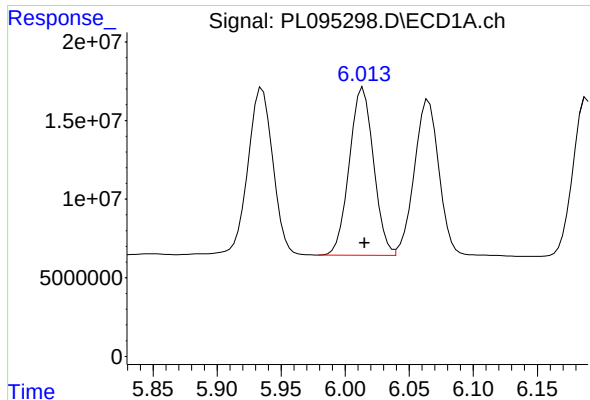
#10 gamma-Chlordane

R.T.: 5.934 min
Delta R.T.: -0.003 min
Response: 145026292
Conc: 43.41 ng/ml m



#10 gamma-Chlordane

R.T.: 4.967 min
Delta R.T.: 0.000 min
Response: 212815831
Conc: 44.18 ng/ml



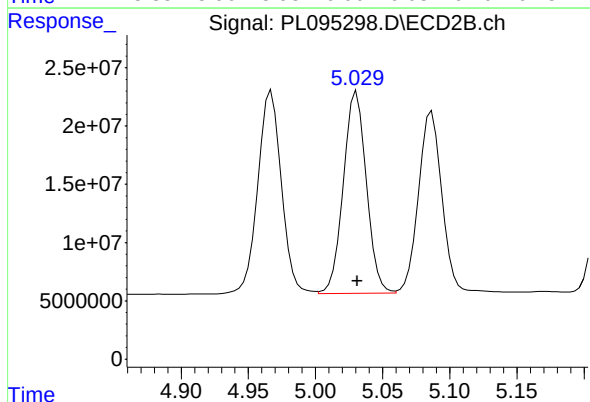
#11 alpha-Chlordane

R.T.: 6.014 min
Delta R.T.: -0.001 min
Response: 14060062
Conc: 42.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-CUTTINGMSD

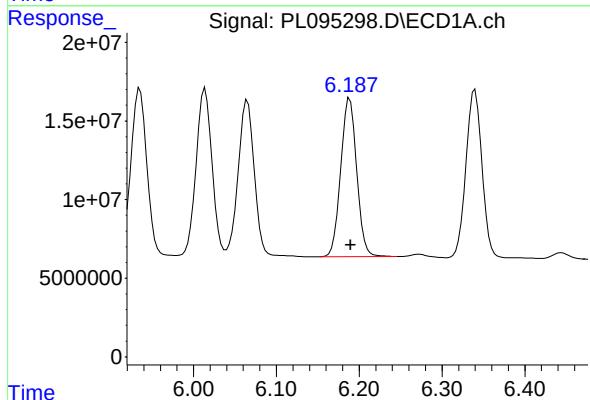
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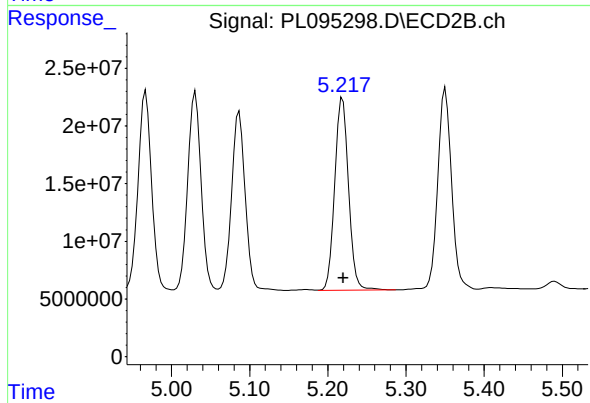
#11 alpha-Chlordane

R.T.: 5.030 min
Delta R.T.: 0.000 min
Response: 207215518
Conc: 43.72 ng/ml



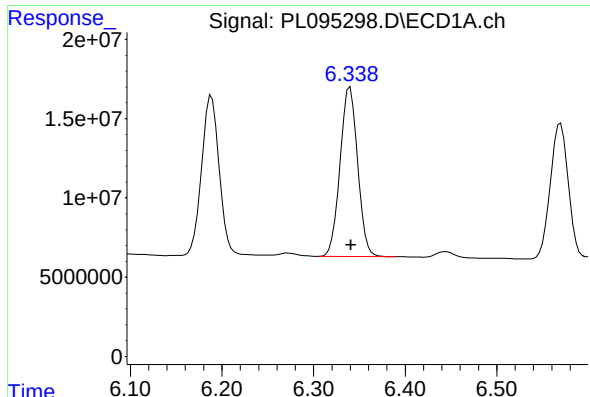
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: 0.000 min
Response: 134858305
Conc: 41.24 ng/ml



#12 4,4'-DDE

R.T.: 5.219 min
Delta R.T.: -0.001 min
Response: 205189076
Conc: 42.62 ng/ml



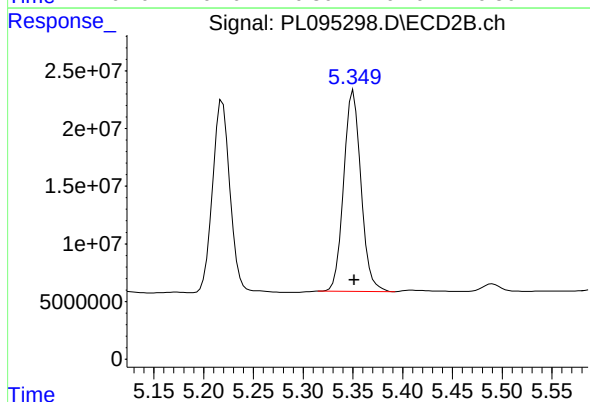
#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 142870870
Conc: 43.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-CUTTINGMSD

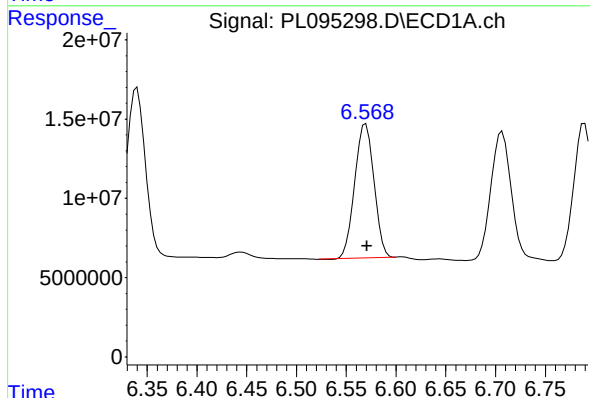
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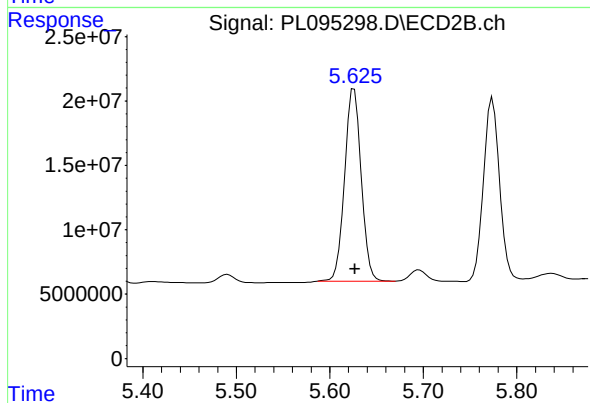
#13 Dieldrin

R.T.: 5.351 min
Delta R.T.: 0.000 min
Response: 211558748
Conc: 44.07 ng/ml



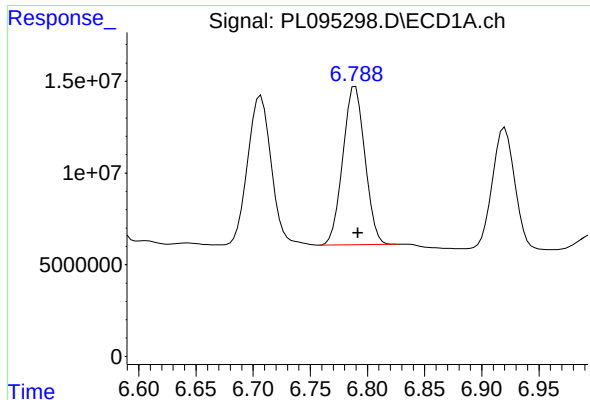
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.001 min
Response: 113613219
Conc: 43.59 ng/ml



#14 Endrin

R.T.: 5.626 min
Delta R.T.: -0.001 min
Response: 184590550
Conc: 44.19 ng/ml



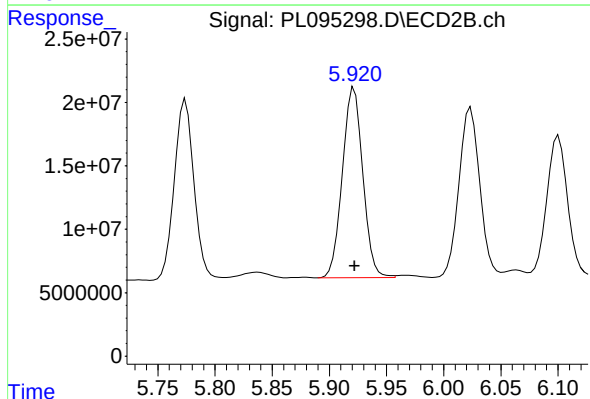
#15 Endosulfan II

R.T.: 6.789 min
Delta R.T.: -0.002 min
Response: 116239122
Conc: 40.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-CUTTINGMSD

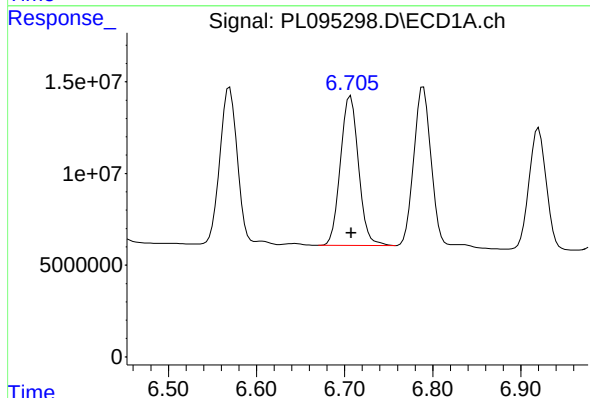
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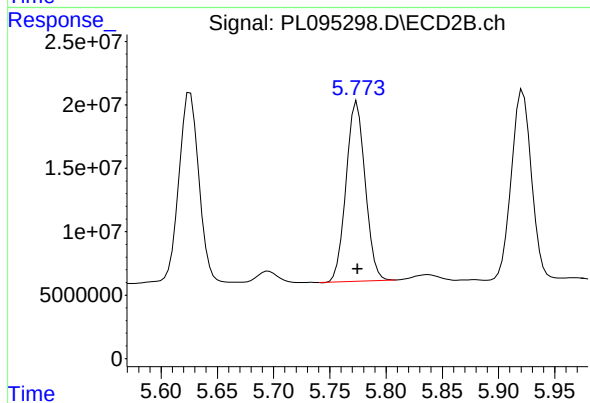
#15 Endosulfan II

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 187319391
Conc: 42.67 ng/ml



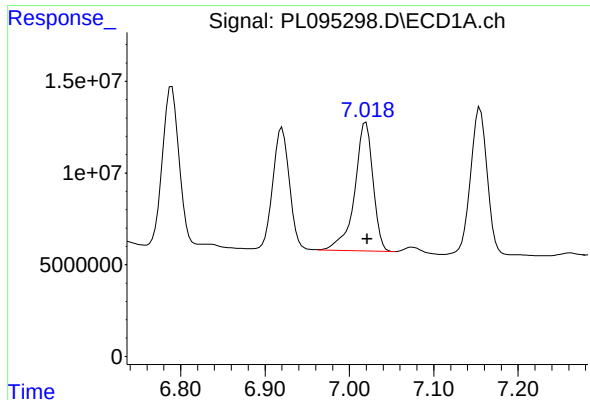
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.001 min
Response: 116683476
Conc: 45.95 ng/ml



#16 4,4'-DDD

R.T.: 5.774 min
Delta R.T.: 0.000 min
Response: 167754375
Conc: 43.13 ng/ml



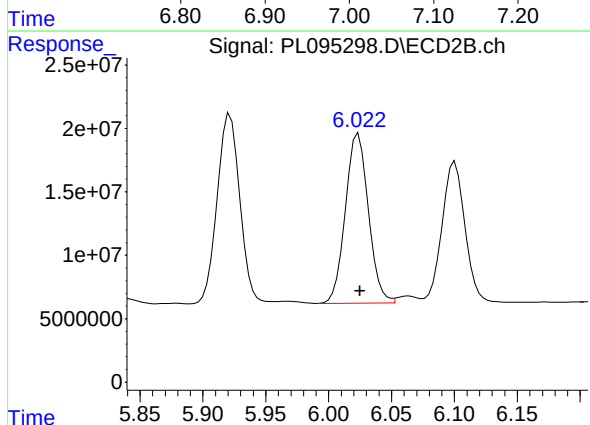
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.002 min
Response: 106509367
Conc: 41.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-CUTTINGMSD

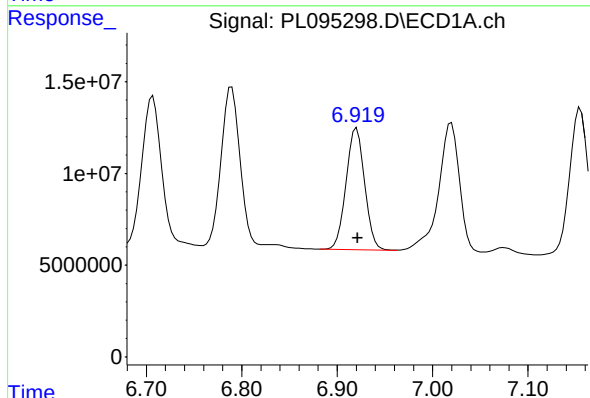
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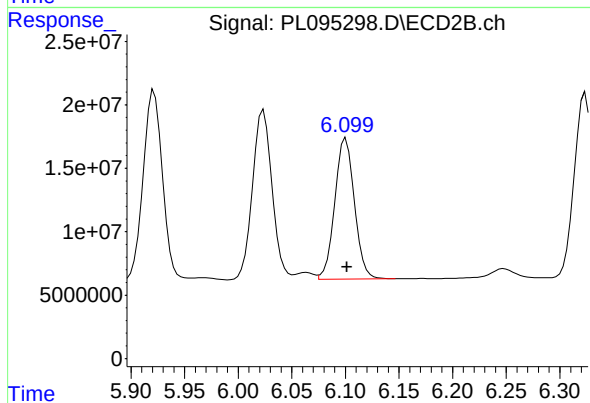
#17 4,4'-DDT

R.T.: 6.024 min
Delta R.T.: -0.001 min
Response: 169554309
Conc: 40.70 ng/ml



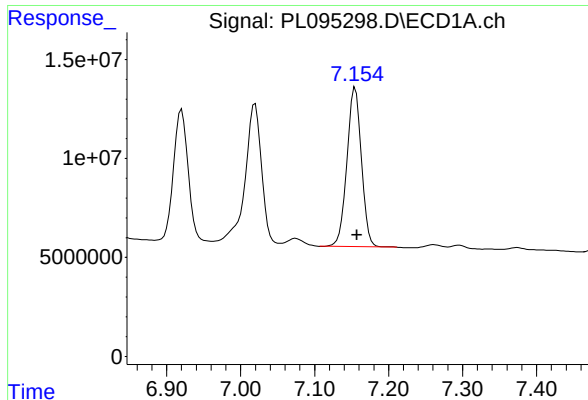
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: -0.001 min
Response: 90478206
Conc: 41.11 ng/ml



#18 Endrin aldehyde

R.T.: 6.100 min
Delta R.T.: 0.000 min
Response: 141001468
Conc: 41.84 ng/ml



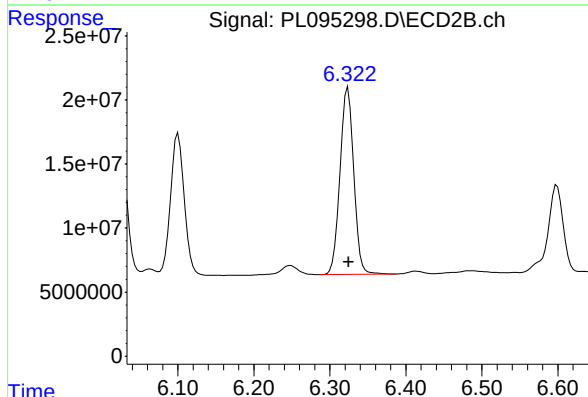
#19 Endosulfan Sulfate

R.T.: 7.155 min
Delta R.T.: -0.002 min
Response: 109479083
Conc: 42.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-CUTTINGMSD

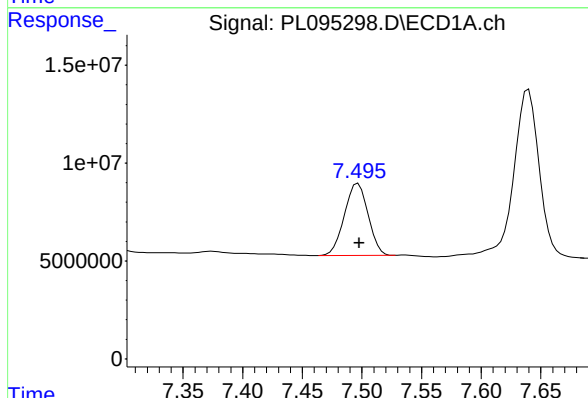
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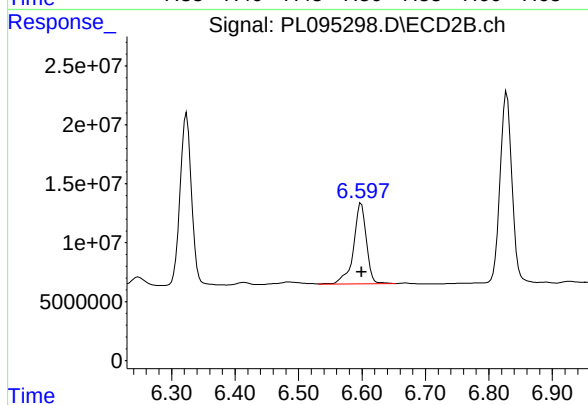
#19 Endosulfan Sulfate

R.T.: 6.324 min
Delta R.T.: 0.000 min
Response: 182133454
Conc: 43.61 ng/ml



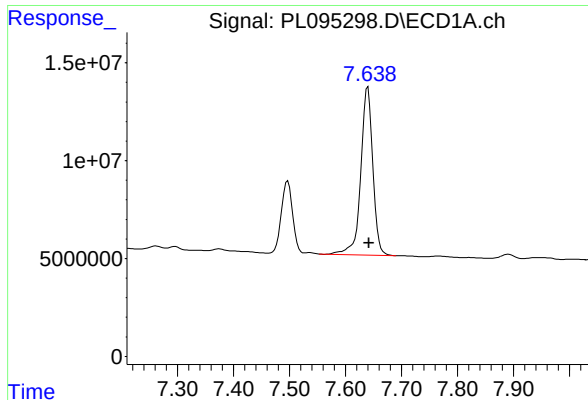
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.001 min
Response: 50958187
Conc: 38.04 ng/ml



#20 Methoxychlor

R.T.: 6.599 min
Delta R.T.: 0.000 min
Response: 96665820
Conc: 43.05 ng/ml



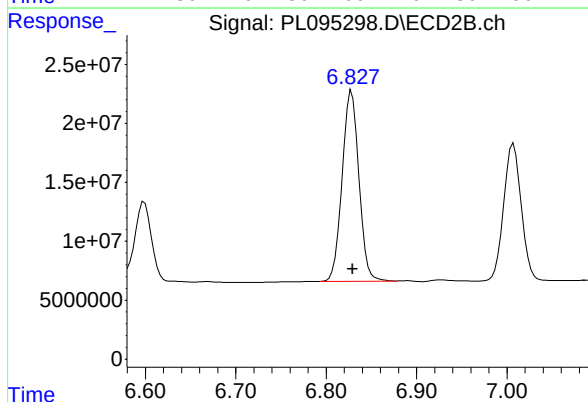
#21 Endrin ketone

R.T.: 7.640 min
Delta R.T.: -0.002 min
Response: 128094461
Conc: 44.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-CUTTINGMSD

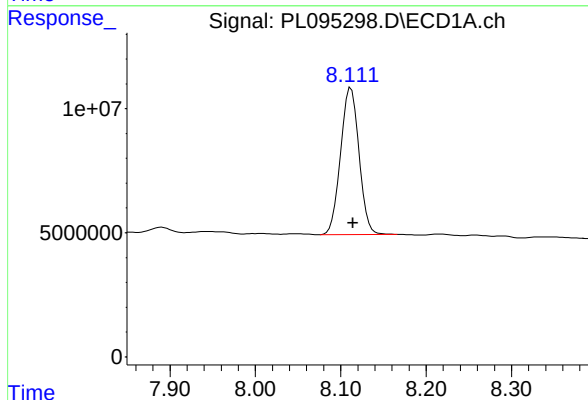
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/18/2025
Supervised By :mohammad ahmed 04/18/2025



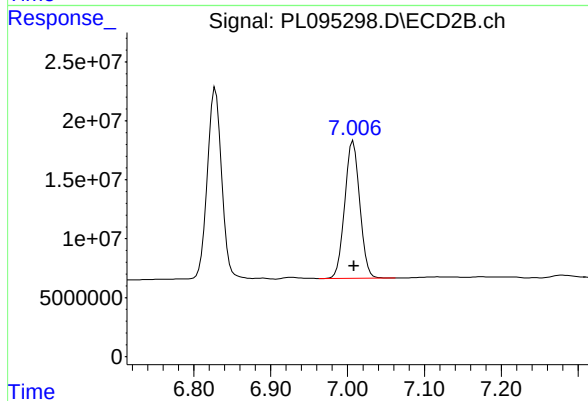
#21 Endrin ketone

R.T.: 6.828 min
Delta R.T.: -0.001 min
Response: 208534859
Conc: 41.36 ng/ml



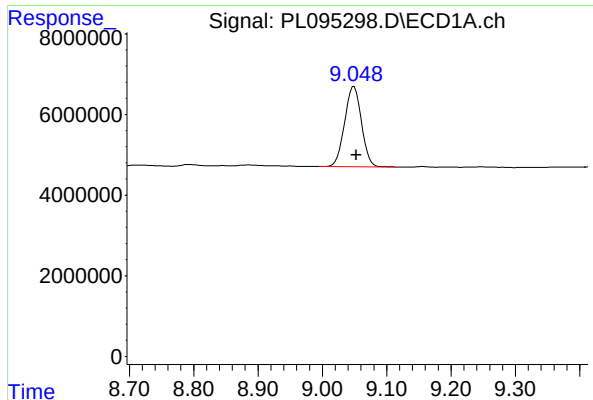
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.002 min
Response: 88525857
Conc: 41.62 ng/ml



#22 Mirex

R.T.: 7.007 min
Delta R.T.: -0.001 min
Response: 156993836
Conc: 39.93 ng/ml



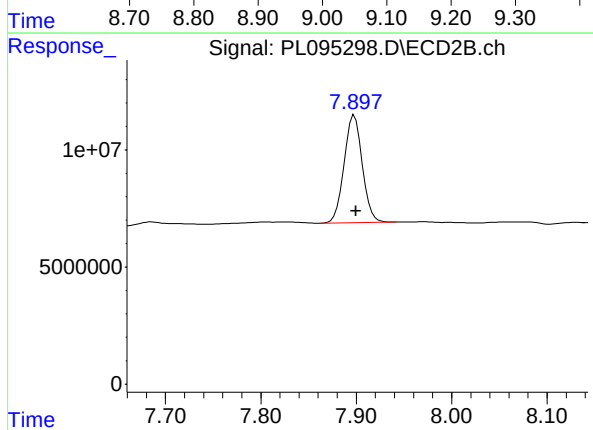
#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.003 min
Response: 36162222
Conc: 15.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-CUTTINGMSD

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#28 Decachlorobiphenyl

R.T.: 7.898 min
Delta R.T.: -0.002 min
Response: 60889058
Conc: 13.84 ng/ml