

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022825\
 Data File : PL094458.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Feb 2025 14:06
 Operator : AR\AJ
 Sample : Q1458-01MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 SP-SOILMSD

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 03 00:50:41 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...	3.537	2.772	56515423	68489617	22.258m	21.462
2) SA Decachlor...	9.053	7.907	33930071	52926888	15.950m	13.763
Target Compounds						
2) A alpha-BHC	3.995	3.275	189.6E6	250.4E6	50.135	50.954
3) MA gamma-BHC...	4.326	3.604	186.9E6	238.4E6	50.581m	50.613
4) MA Heptachlor	4.915	3.942	174.5E6	245.3E6	51.466	51.975
5) MB Aldrin	5.257	4.222	166.8E6	223.9E6	48.608	48.455
6) B beta-BHC	4.526	3.905	81996345	104.8E6	51.347	52.688
7) B delta-BHC	4.773	4.133	179.9E6	231.3E6	50.844	48.852
8) B Heptachlo...	5.683	4.724	145.7E6	211.9E6	48.342	49.793
9) A Endosulfan I	6.069	5.093	134.3E6	184.2E6	48.855	46.209m
10) B gamma-Chl...	5.940	4.975	149.7E6	221.9E6	50.981	51.153
11) B alpha-Chl...	6.018	5.038	145.1E6	215.1E6	50.080	49.814
12) B 4,4'-DDE	6.192	5.227	125.2E6	211.7E6	47.936	50.410
13) MA Dieldrin	6.344	5.358	140.0E6	230.6E6	49.145	52.619
14) MA Endrin	6.572	5.633	118.3E6	200.2E6	46.362m	58.796m#
15) B Endosulfa...	6.793	5.929	119.0E6	195.1E6	47.285m	52.160
16) A 4,4'-DDD	6.710	5.782	107.6E6	170.5E6	58.172	53.538
17) MA 4,4'-DDT	7.024	6.032	108.6E6	182.5E6	51.712	51.320
18) B Endrin al...	6.924	6.109	90749506	144.8E6	46.615	45.827
19) B Endosulfa...	7.159	6.331	108.5E6	181.1E6	47.943	49.023
20) A Methoxychlor	7.500	6.607	54816199	89702511	49.338	45.977
21) B Endrin ke...	7.644	6.836	117.6E6	200.5E6	46.926	46.972
22) Mirex	8.117	7.016	86843920	147.2E6	42.090	42.223

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022825\
Data File : PL094458.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Feb 2025 14:06
Operator : AR\AJ
Sample : Q1458-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

SP-SOILMSD

Manual Integrations

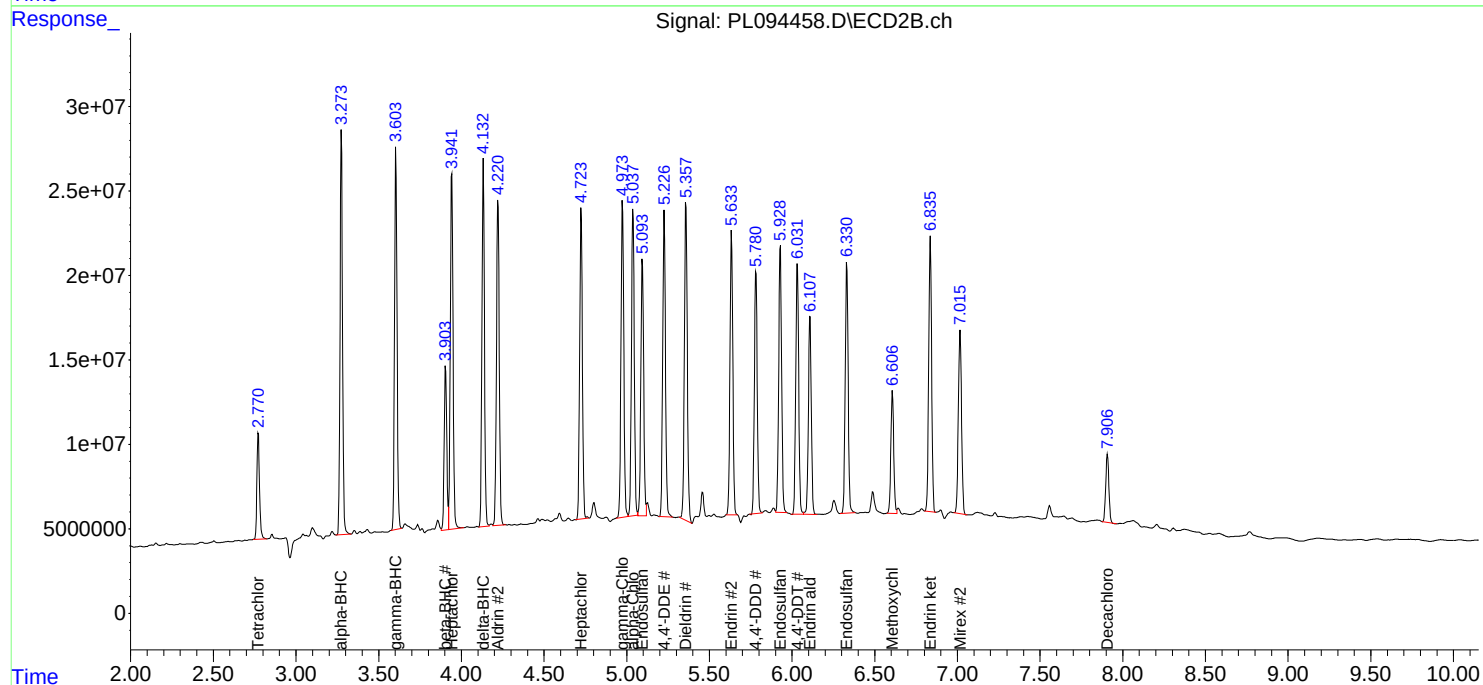
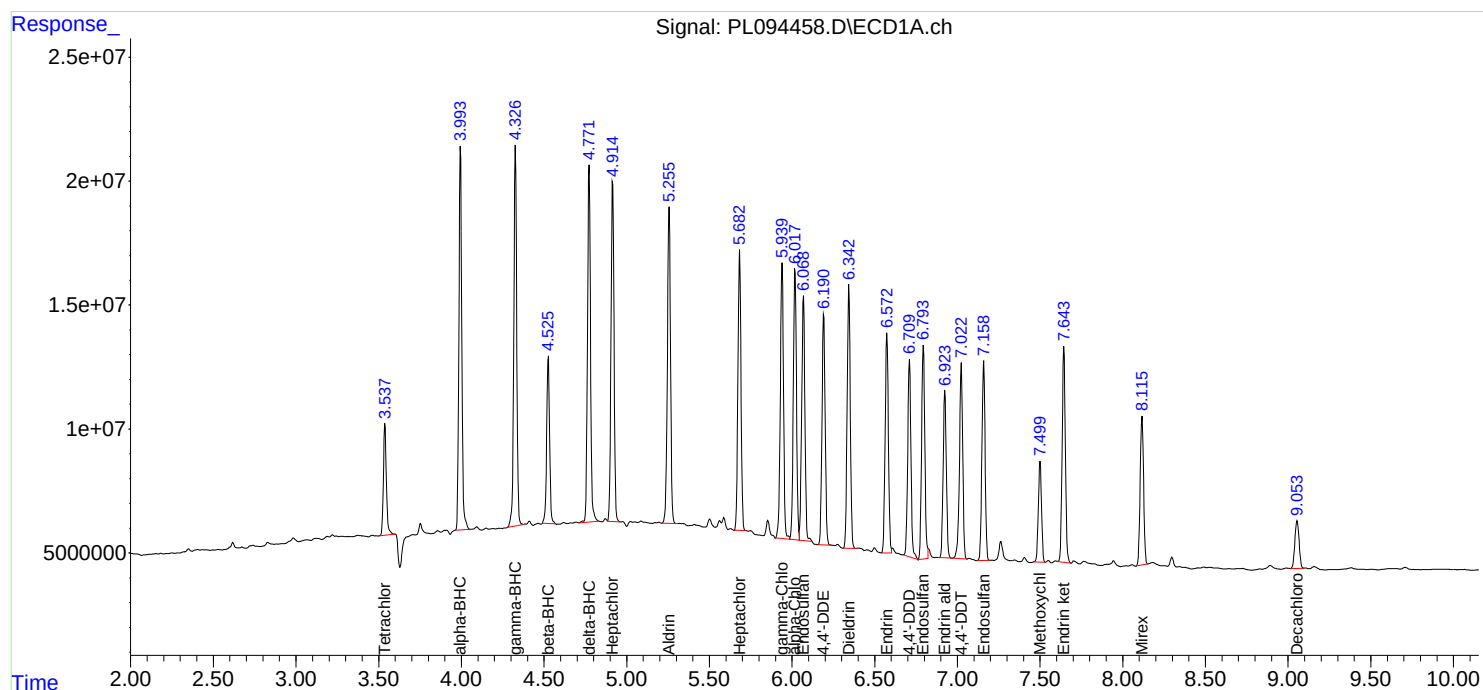
APPROVED

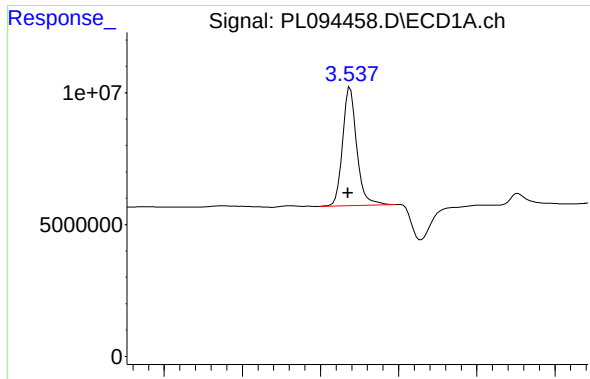
Reviewed By :Abdul Mirza 03/03/2025

Supervised By :mohammad ahmed 03/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 03 00:50:41 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





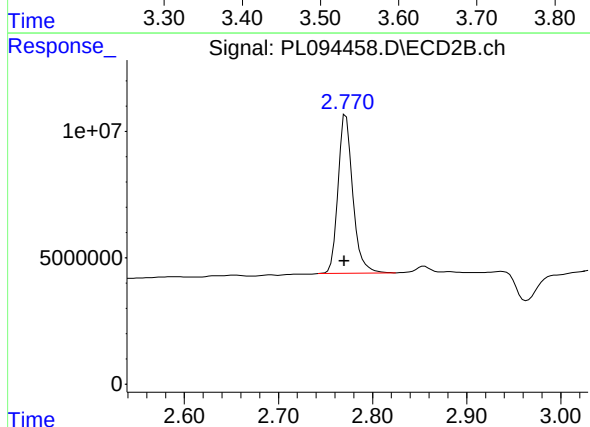
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.002 min
Response: 56515423
Conc: 22.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
SP-SOILMSD

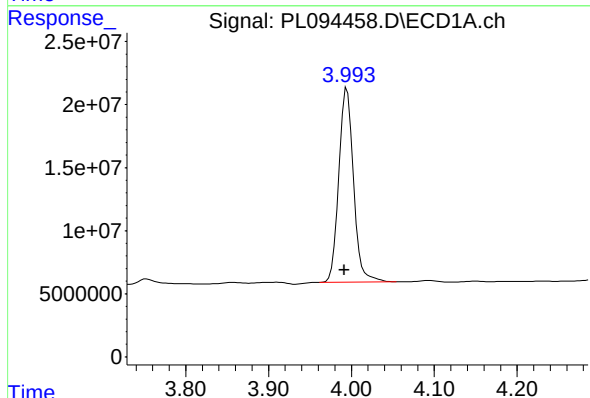
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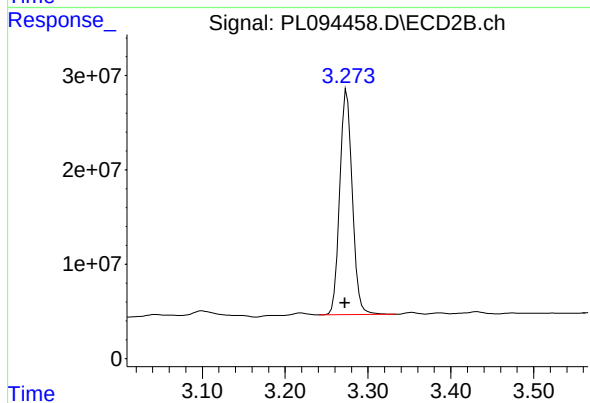
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.002 min
Response: 68489617
Conc: 21.46 ng/ml



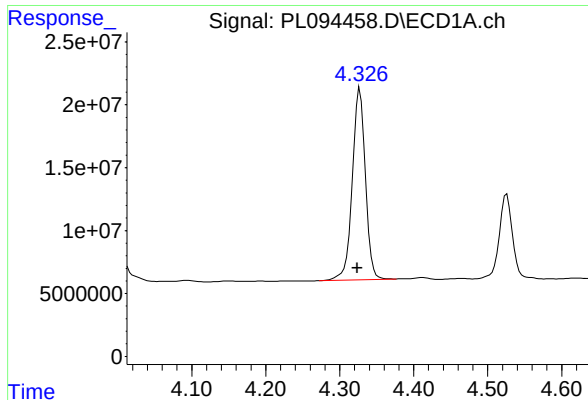
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.003 min
Response: 189642196
Conc: 50.13 ng/ml



#2 alpha-BHC

R.T.: 3.275 min
Delta R.T.: 0.002 min
Response: 250427089
Conc: 50.95 ng/ml



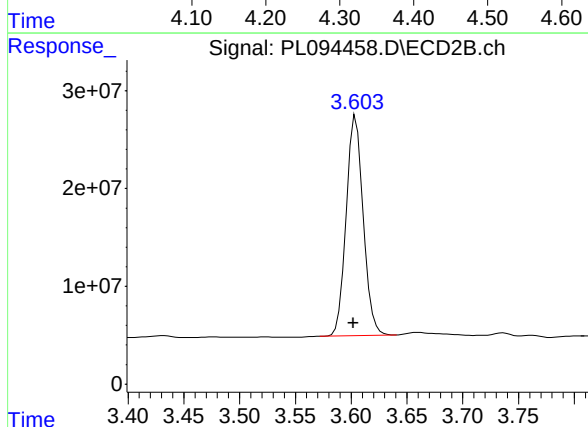
#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.002 min
Response: 186883461
Conc: 50.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
SP-SOILMSD

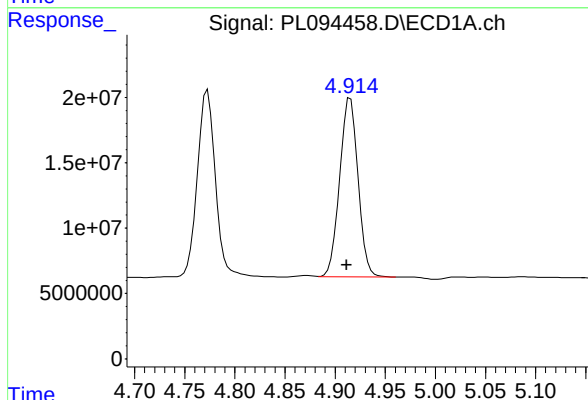
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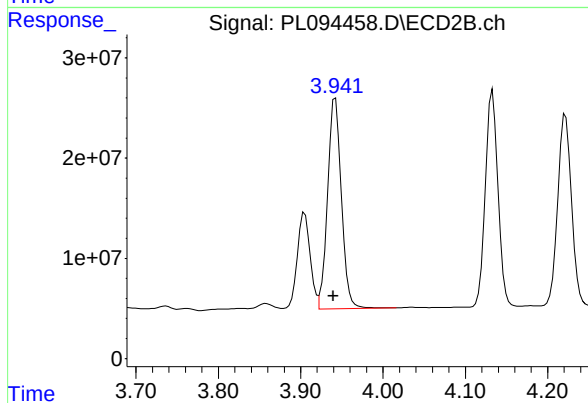
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: 0.002 min
Response: 238383479
Conc: 50.61 ng/ml



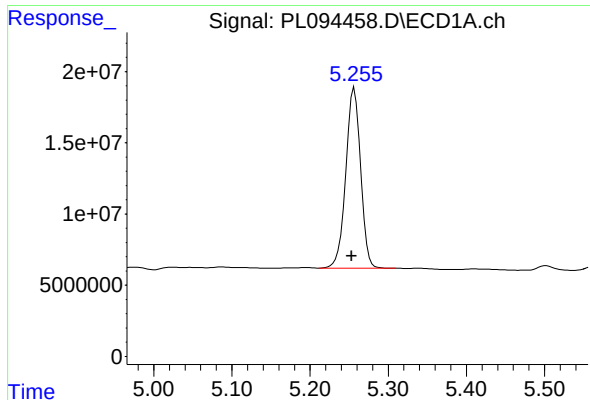
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.004 min
Response: 174487487
Conc: 51.47 ng/ml



#4 Heptachlor

R.T.: 3.942 min
Delta R.T.: 0.002 min
Response: 245338283
Conc: 51.98 ng/ml



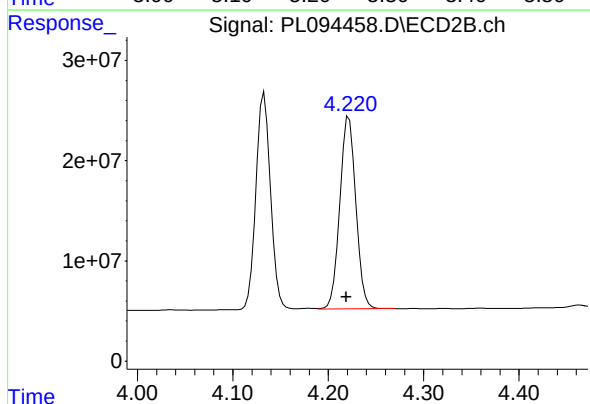
#5 Aldrin

R.T.: 5.257 min
Delta R.T.: 0.004 min
Response: 166809199
Conc: 48.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
SP-SOILMSD

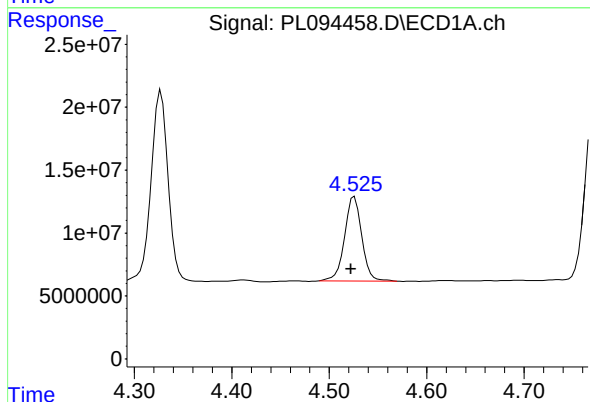
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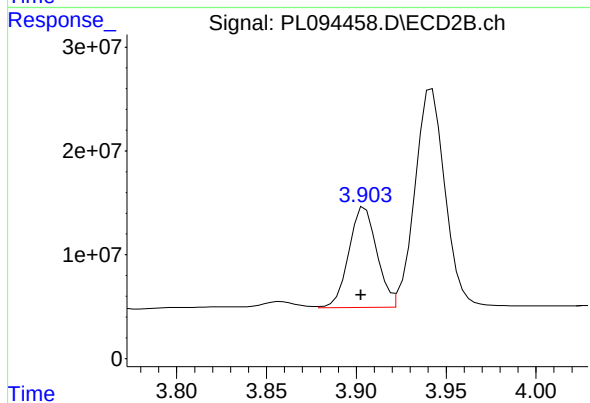
#5 Aldrin

R.T.: 4.222 min
Delta R.T.: 0.003 min
Response: 223881599
Conc: 48.46 ng/ml



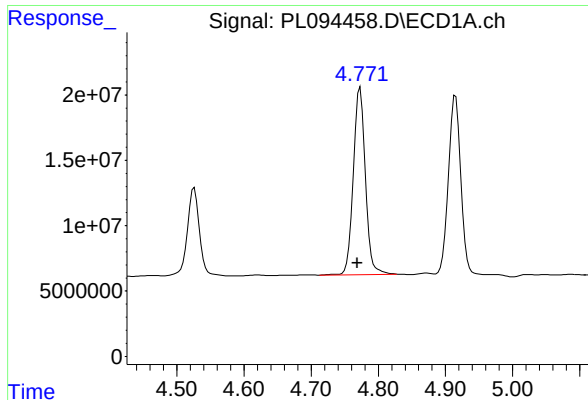
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.003 min
Response: 81996345
Conc: 51.35 ng/ml



#6 beta-BHC

R.T.: 3.905 min
Delta R.T.: 0.002 min
Response: 104791877
Conc: 52.69 ng/ml



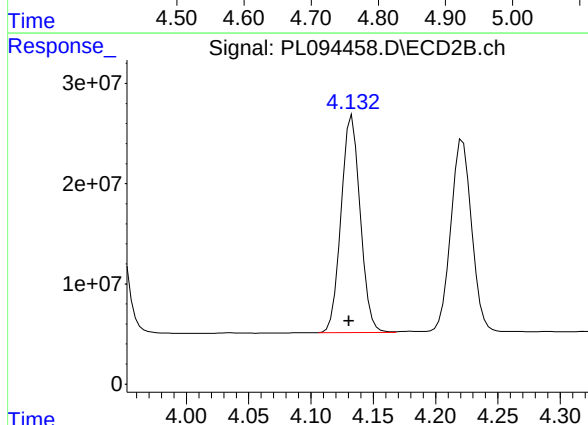
#7 delta-BHC

R.T.: 4.773 min
Delta R.T.: 0.004 min
Response: 179900111
Conc: 50.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
SP-SOILMSD

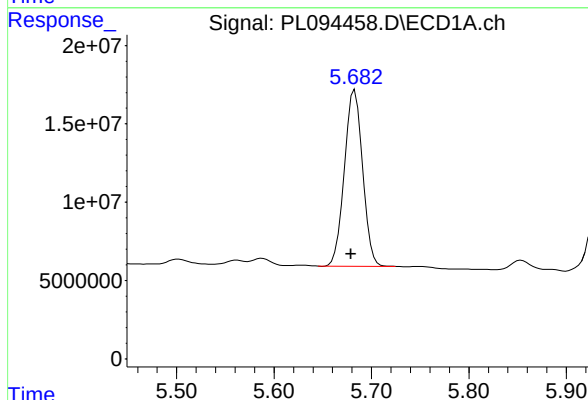
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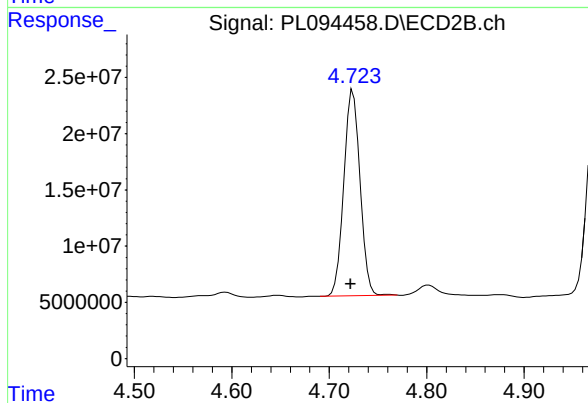
#7 delta-BHC

R.T.: 4.133 min
Delta R.T.: 0.003 min
Response: 231349382
Conc: 48.85 ng/ml



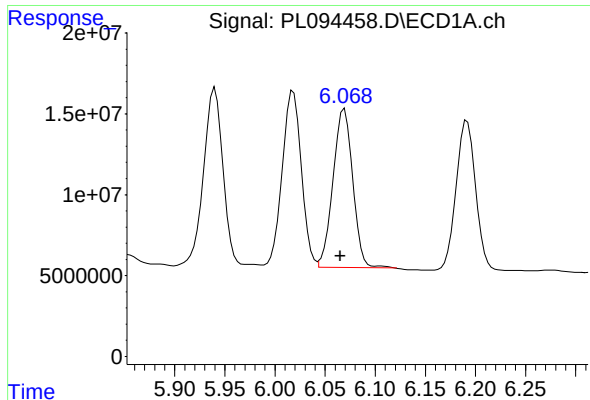
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.004 min
Response: 145674538
Conc: 48.34 ng/ml



#8 Heptachlor epoxide

R.T.: 4.724 min
Delta R.T.: 0.003 min
Response: 211887865
Conc: 49.79 ng/ml



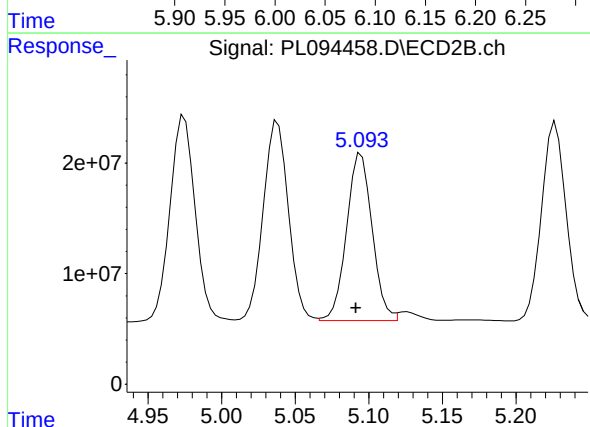
#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.004 min
Response: 134284140
Conc: 48.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
SP-SOILMSD

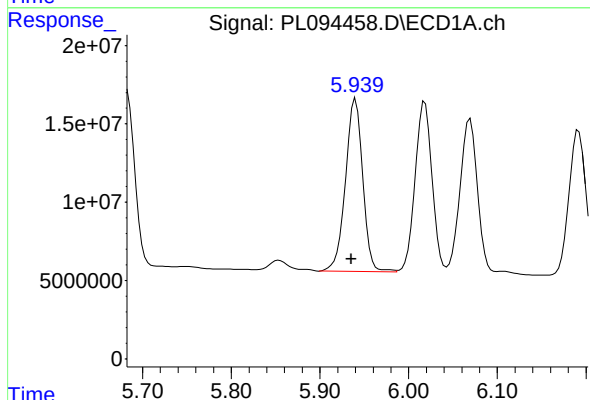
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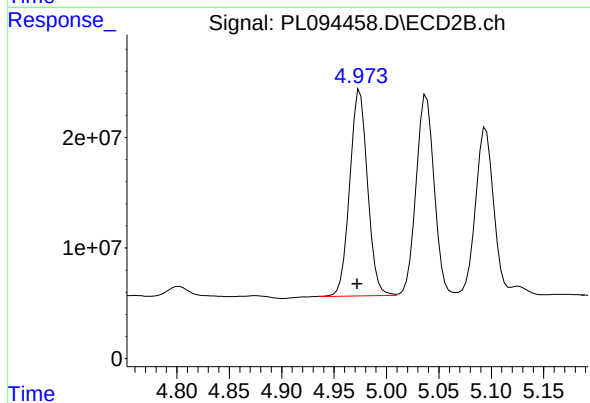
#9 Endosulfan I

R.T.: 5.093 min
Delta R.T.: 0.002 min
Response: 184215906
Conc: 46.21 ng/ml



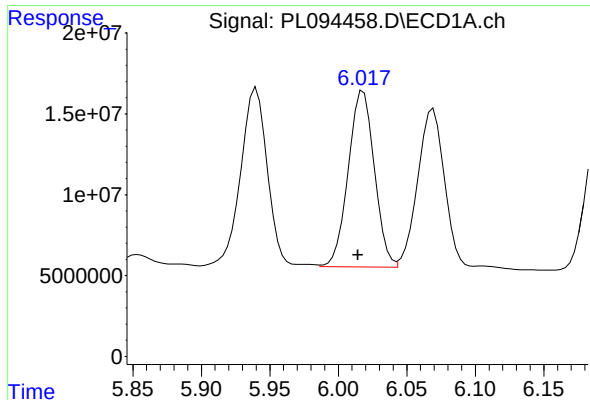
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.005 min
Response: 149688566
Conc: 50.98 ng/ml



#10 gamma-Chlordane

R.T.: 4.975 min
Delta R.T.: 0.003 min
Response: 221946198
Conc: 51.15 ng/ml



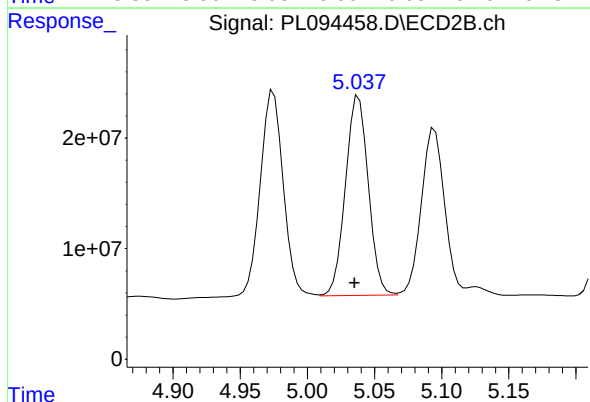
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: 0.004 min
Response: 145085565
Conc: 50.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
SP-SOILMSD

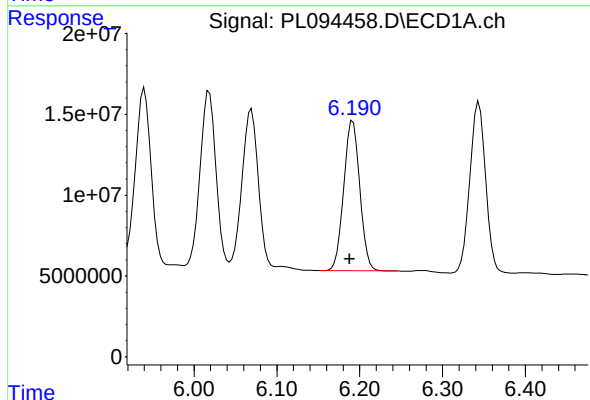
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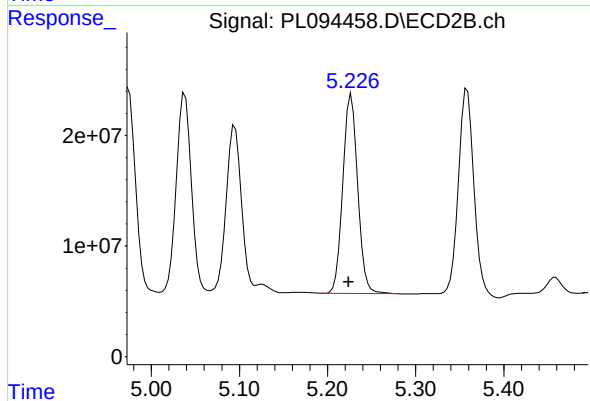
#11 alpha-Chlordane

R.T.: 5.038 min
Delta R.T.: 0.003 min
Response: 215076574
Conc: 49.81 ng/ml



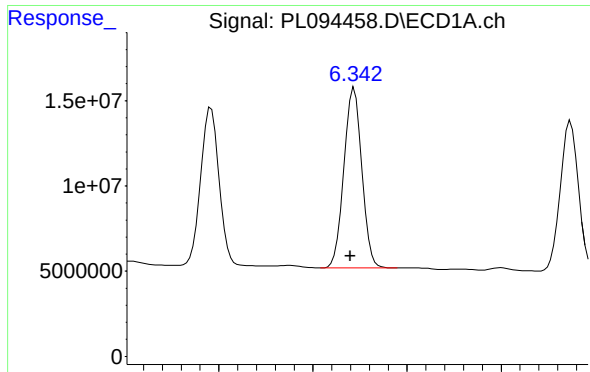
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.004 min
Response: 125194926
Conc: 47.94 ng/ml



#12 4,4'-DDE

R.T.: 5.227 min
Delta R.T.: 0.003 min
Response: 211722132
Conc: 50.41 ng/ml



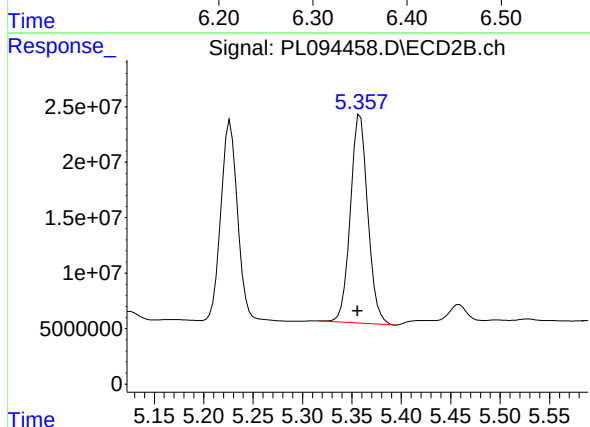
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.004 min
Response: 140015364
Conc: 49.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
SP-SOILMSD

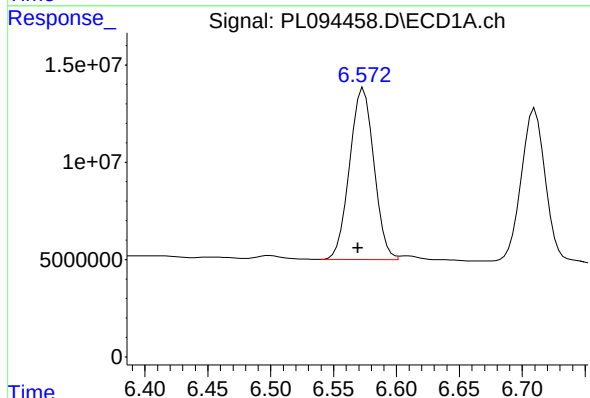
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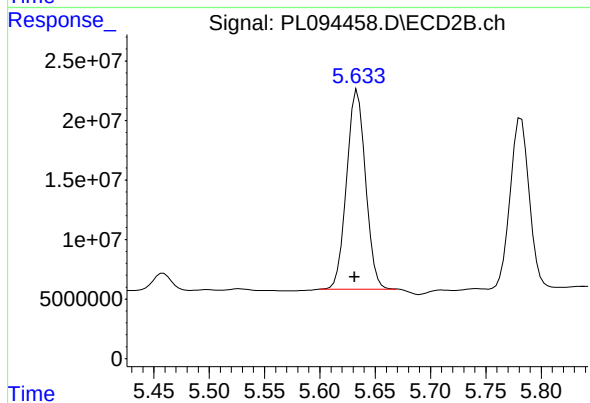
#13 Dieldrin

R.T.: 5.358 min
Delta R.T.: 0.003 min
Response: 230566763
Conc: 52.62 ng/ml



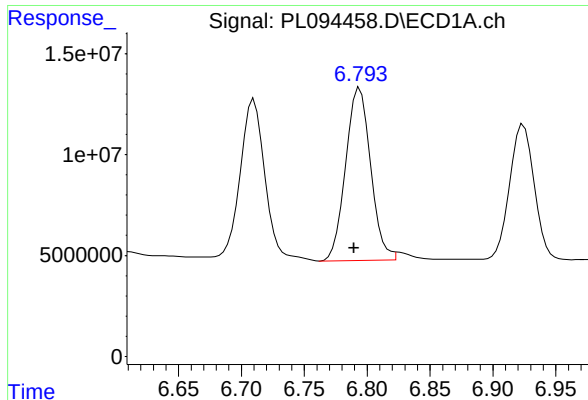
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.003 min
Response: 118329776
Conc: 46.36 ng/ml m



#14 Endrin

R.T.: 5.633 min
Delta R.T.: 0.001 min
Response: 200185026
Conc: 58.80 ng/ml m



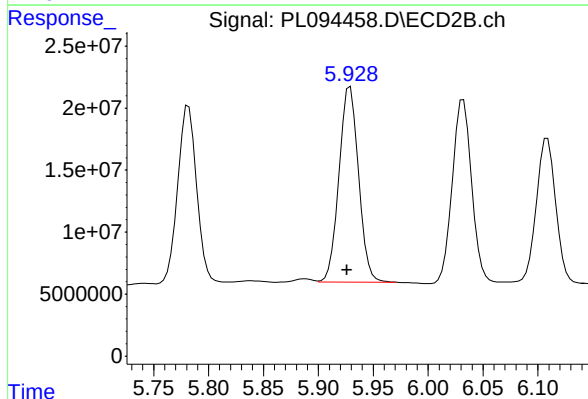
#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.003 min
Response: 119027582
Conc: 47.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
SP-SOILMSD

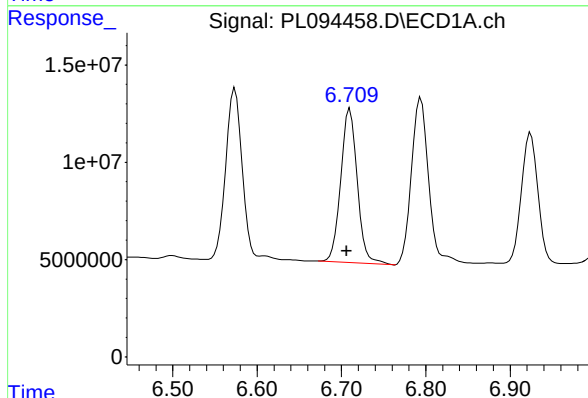
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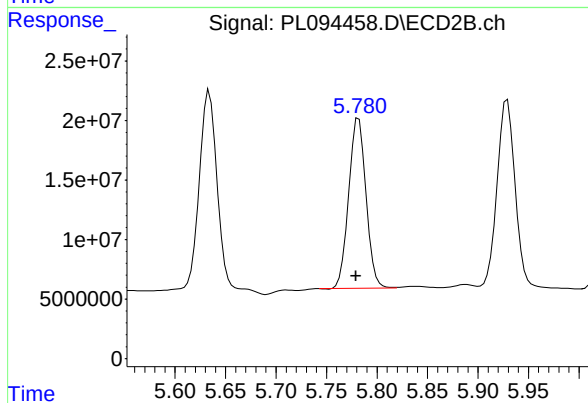
#15 Endosulfan II

R.T.: 5.929 min
Delta R.T.: 0.003 min
Response: 195053954
Conc: 52.16 ng/ml



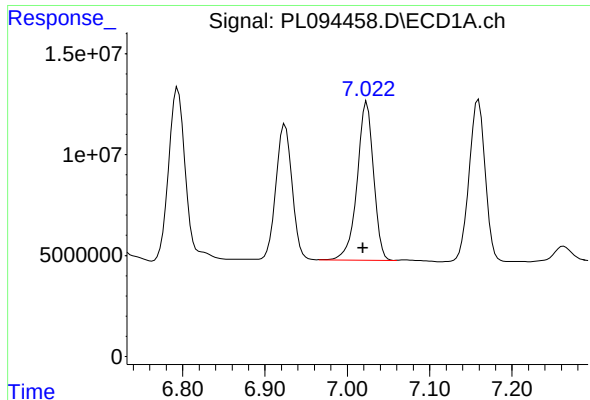
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.004 min
Response: 107604005
Conc: 58.17 ng/ml



#16 4,4'-DDD

R.T.: 5.782 min
Delta R.T.: 0.003 min
Response: 170535769
Conc: 53.54 ng/ml



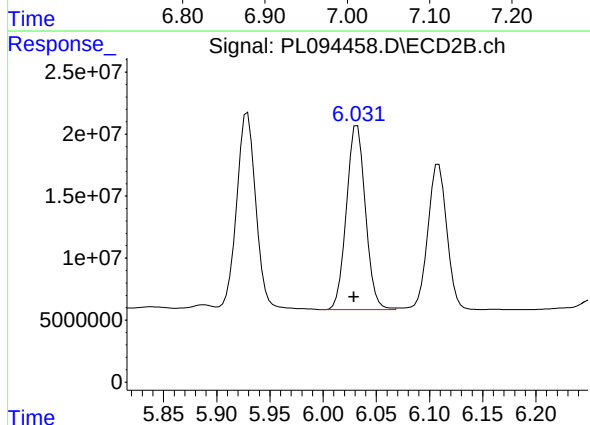
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.005 min
Response: 108596076
Conc: 51.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
SP-SOILMSD

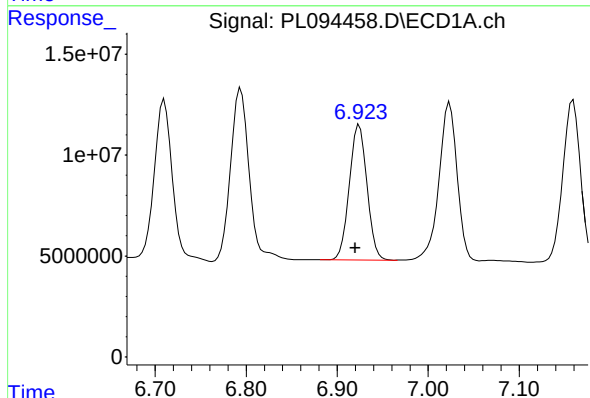
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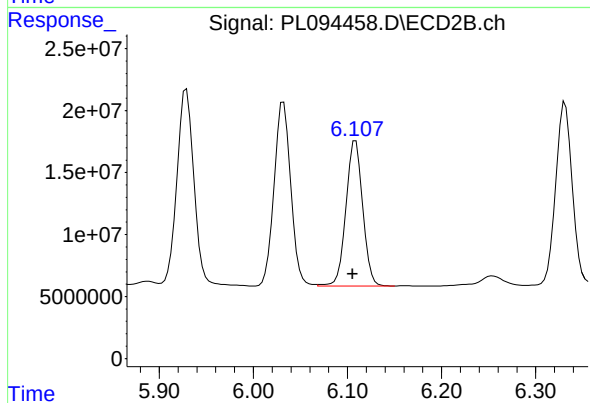
#17 4,4'-DDT

R.T.: 6.032 min
Delta R.T.: 0.003 min
Response: 182545855
Conc: 51.32 ng/ml



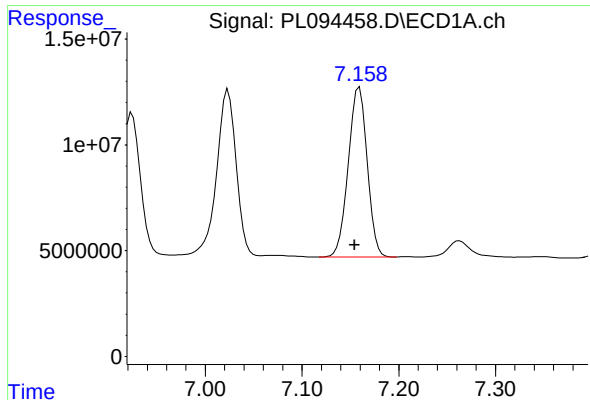
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.004 min
Response: 90749506
Conc: 46.61 ng/ml



#18 Endrin aldehyde

R.T.: 6.109 min
Delta R.T.: 0.003 min
Response: 144833923
Conc: 45.83 ng/ml



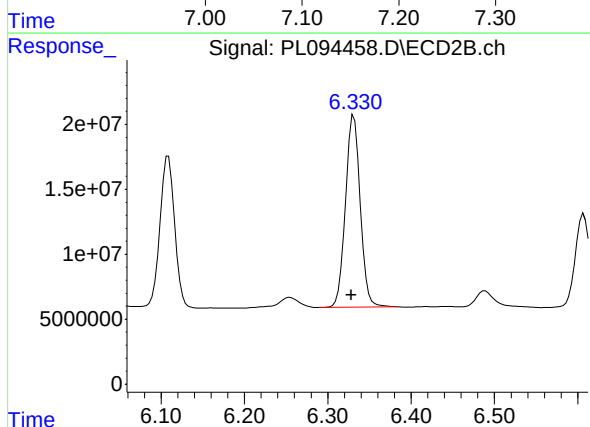
#19 Endosulfan Sulfate

R.T.: 7.159 min
Delta R.T.: 0.005 min
Response: 108535746
Conc: 47.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
SP-SOILMSD

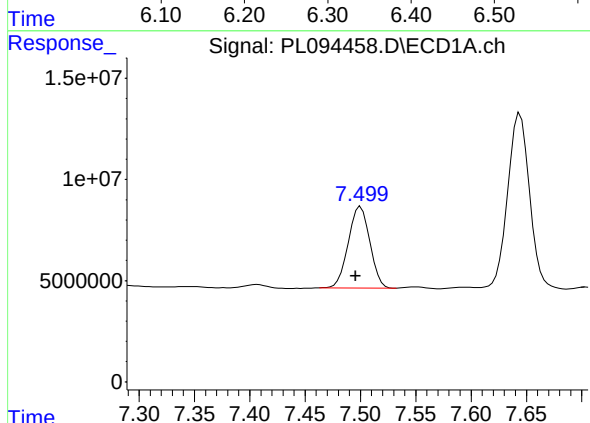
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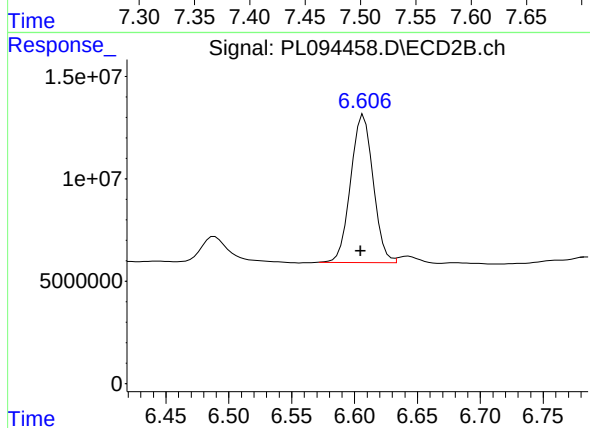
#19 Endosulfan Sulfate

R.T.: 6.331 min
Delta R.T.: 0.003 min
Response: 181072835
Conc: 49.02 ng/ml



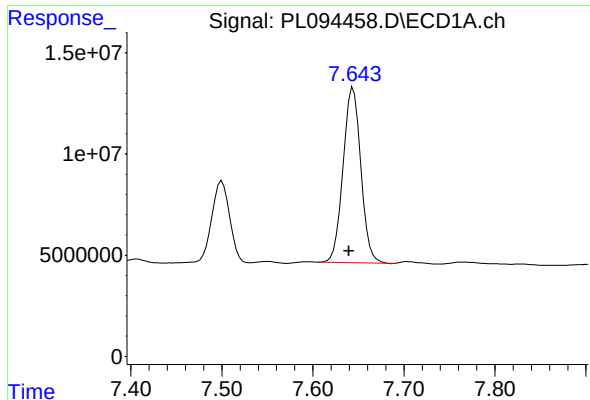
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.005 min
Response: 54816199
Conc: 49.34 ng/ml



#20 Methoxychlor

R.T.: 6.607 min
Delta R.T.: 0.002 min
Response: 89702511
Conc: 45.98 ng/ml



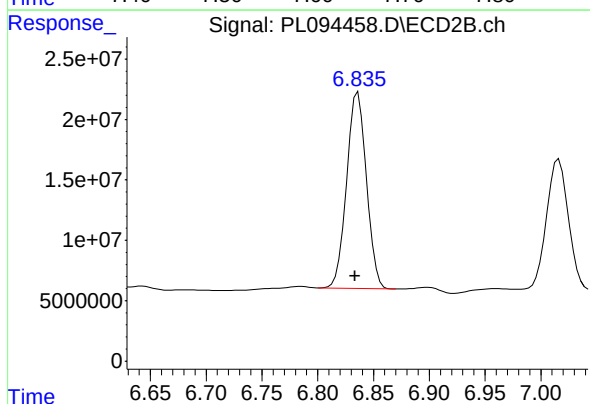
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.005 min
Response: 117639784
Conc: 46.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
SP-SOILMSD

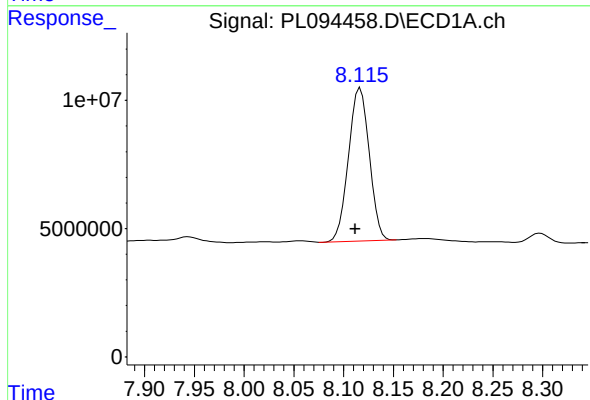
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Reviewed By :Abdul Mirza 03/03/2025
Supervised By :mohammad ahmed 03/07/2025



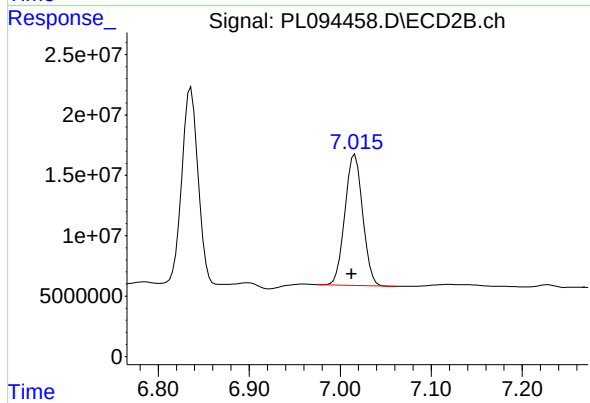
#21 Endrin ketone

R.T.: 6.836 min
Delta R.T.: 0.003 min
Response: 200452257
Conc: 46.97 ng/ml



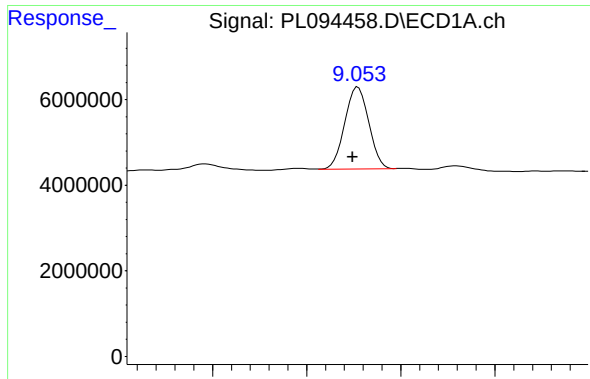
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.005 min
Response: 86843920
Conc: 42.09 ng/ml



#22 Mirex

R.T.: 7.016 min
Delta R.T.: 0.003 min
Response: 147234236
Conc: 42.22 ng/ml



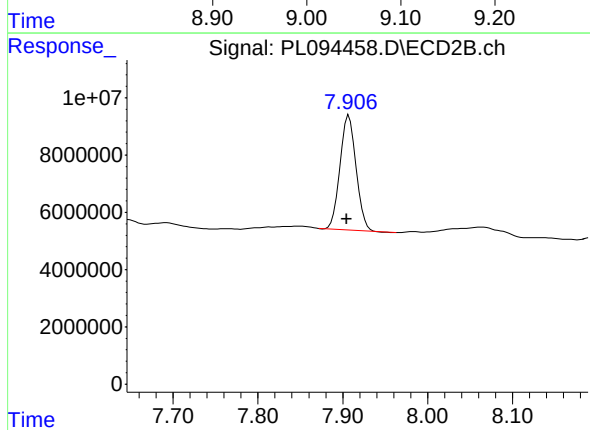
#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.004 min
Response: 33930071
Conc: 15.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
SP-SOILMSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/03/2025
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#28 Decachlorobiphenyl

R.T.: 7.907 min
Delta R.T.: 0.003 min
Response: 52926888
Conc: 13.76 ng/ml