

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD020625\
 Data File : PD087768.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Feb 2025 16:41
 Operator : AR\AJ
 Sample : Q1168-02
 Misc : PEST LOQ 5PPB
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 02/07/2025
 Supervised By :Ankita Jodhani 02/07/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 07 04:28:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD012325.M
 Quant Title : GC Extractables
 QLast Update : Wed Jan 22 14:33:08 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 x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.555	2.882	36113044	252.2E6	18.126	20.968
28) SA Decachlor...	9.087	8.083	58592141	290.3E6	19.211	20.545
Target Compounds						
2) A alpha-BHC	4.005	3.395	16564782	108.2E6	4.116	5.787 #
3) MA gamma-BHC...	4.335	3.732	22134008	100.4E6	5.562m	5.655m
4) MA Heptachlor	4.937	4.088	17240866	97080656	4.625	5.604
5) MB Aldrin	5.279	4.374	17294405	102.4E6	4.518	5.862 #
6) B beta-BHC	4.521	4.029	7593237	45129225	4.810	5.917
7) B delta-BHC	4.770	4.266	19053379	102.2E6	4.724	5.646
8) B Heptachlo...	5.699	4.878	16103827	96044571	4.712	6.081 #
9) A Endosulfan I	6.083	5.252	15037277	84821138	4.774	5.691m
10) B gamma-Chl...	5.954	5.130	15125637	92176599	4.576	5.667m
11) B alpha-Chl...	6.035	5.195	15678575	89833820	4.707	5.631m
12) B 4,4'-DDE	6.204	5.380	13329878	87787372	4.418	5.579m#
13) MA Dieldrin	6.356	5.518	15490277	91856667	4.587	5.638m
14) MA Endrin	6.583	5.795	12266246	83238470	4.233	5.589m#
15) B Endosulfa...	6.795	6.088	13225508	83050413	4.607	5.818 #
16) A 4,4'-DDD	6.713	5.937	11311314	80362339	4.700	6.078 #
17) MA 4,4'-DDT	7.028	6.192	9506792	58882482	3.691m	4.374
18) B Endrin al...	6.923	6.266	11510764	70759126	4.969	6.070
19) B Endosulfa...	7.158	6.490	12972288	82501447	4.732	5.803
20) A Methoxychlor	7.502	6.763	6120838	36535338	4.170	4.781
21) B Endrin ke...	7.639	6.999	14732051	90735156	4.791	5.815
22) Mirex	8.124	7.194	11509092	73026439	4.965	5.767

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD020625\
Data File : PD087768.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Feb 2025 16:41
Operator : AR\AJ
Sample : Q1168-02
Misc : PEST LOQ 5PPB
ALS Vial : 17 Sample Multiplier: 1

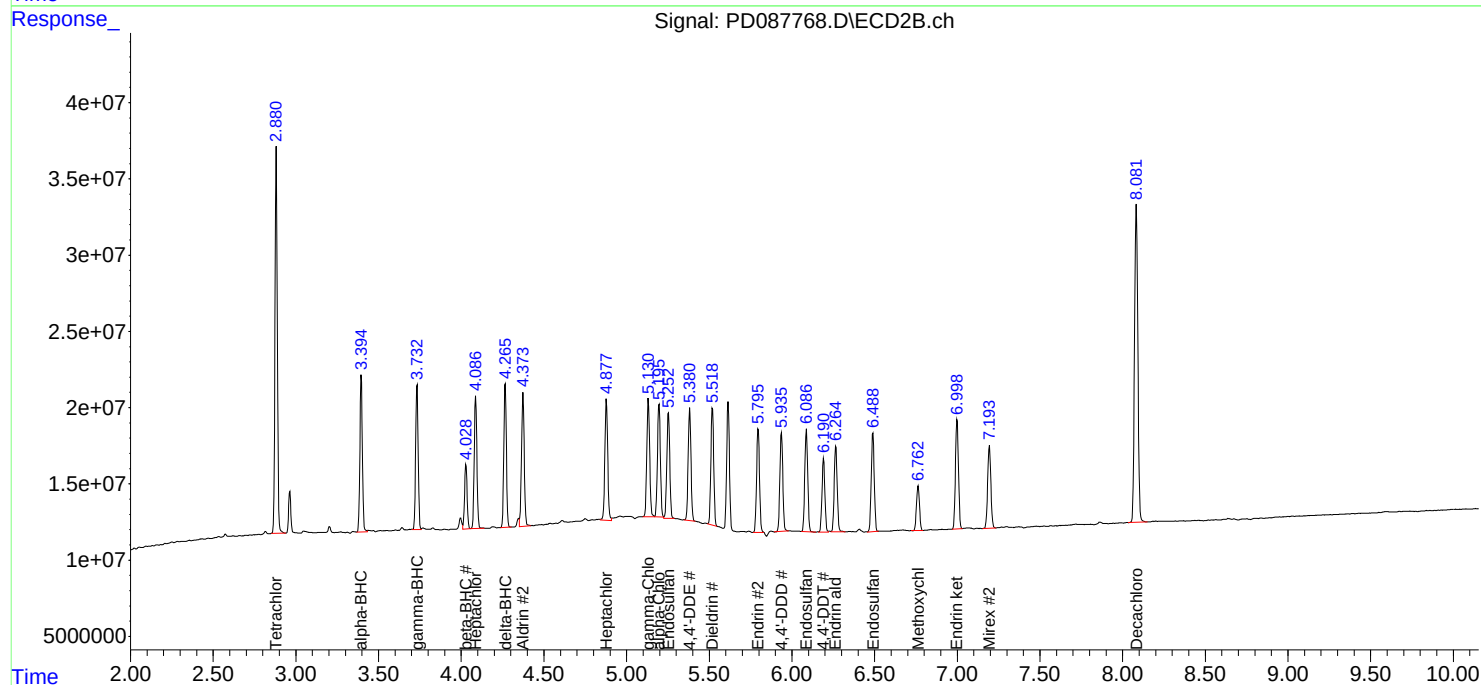
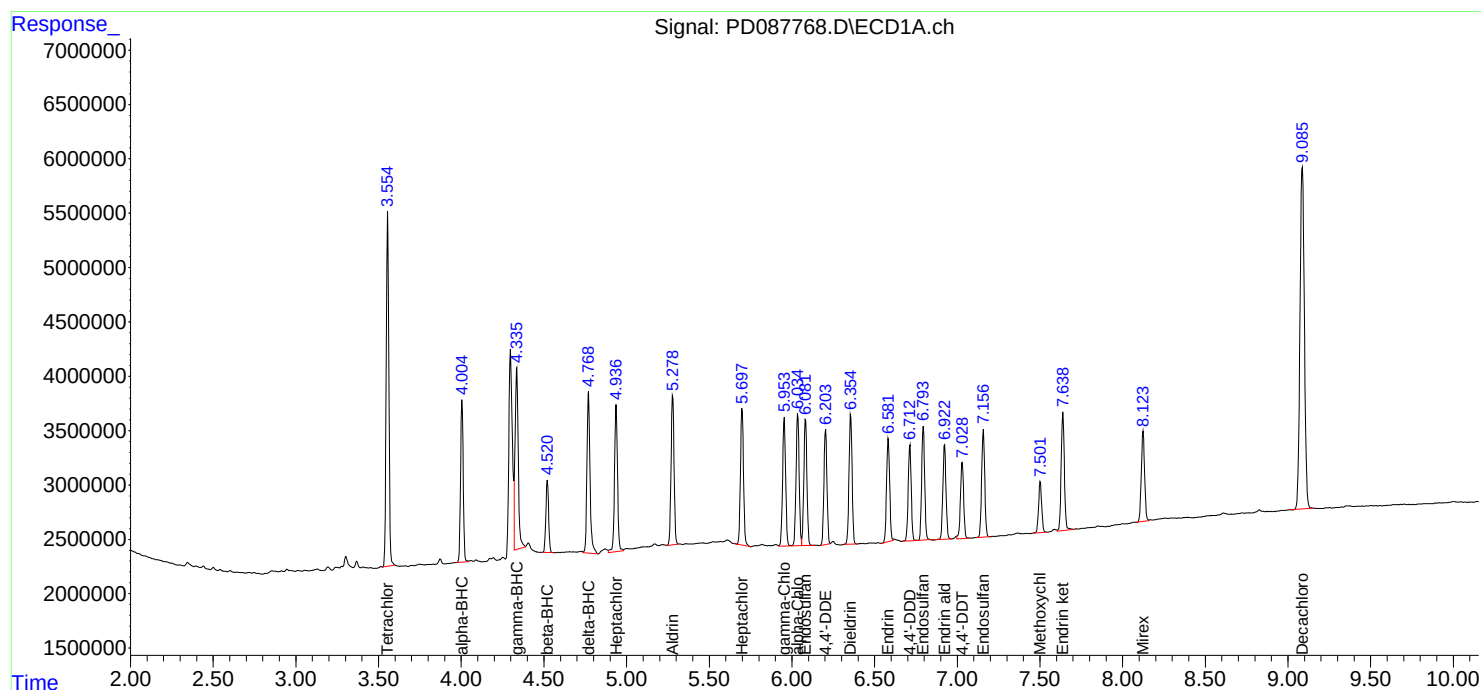
Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT1-2025

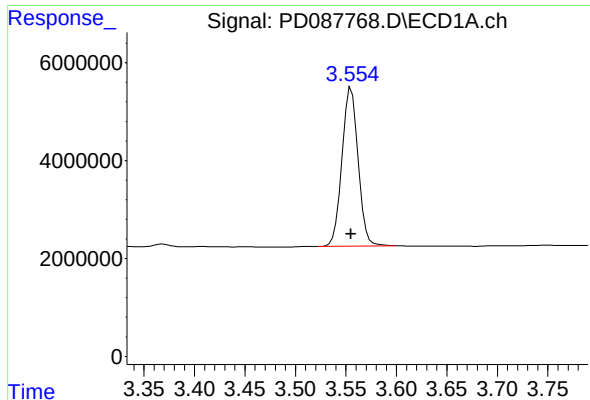
Manual Integrations
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Supervised By : Ankita Jodhani 02/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 07 04:28:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD012325.M
Quant Title : GC Extractables
QLast Update : Wed Jan 22 14:33:08 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





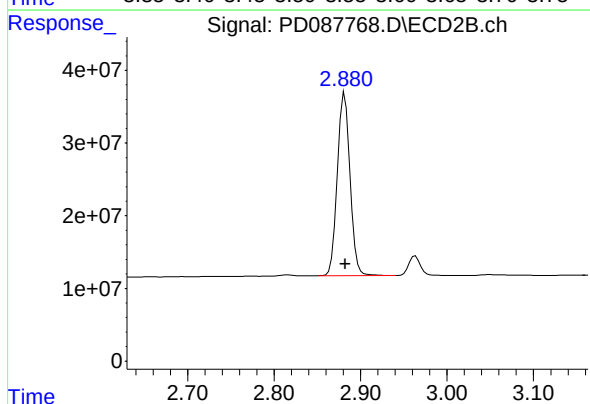
#1 Tetrachloro-m-xylene

R.T.: 3.555 min
Delta R.T.: 0.000 min
Response: 36113044
Conc: 18.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT1-2025

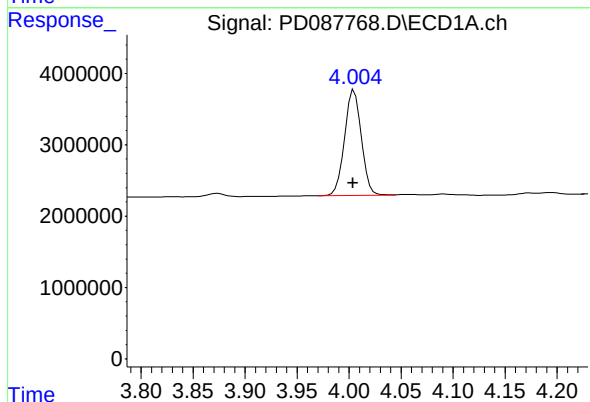
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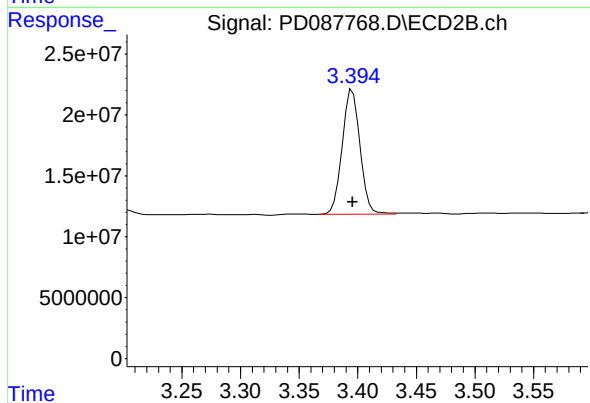
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 252176409
Conc: 20.97 ng/ml



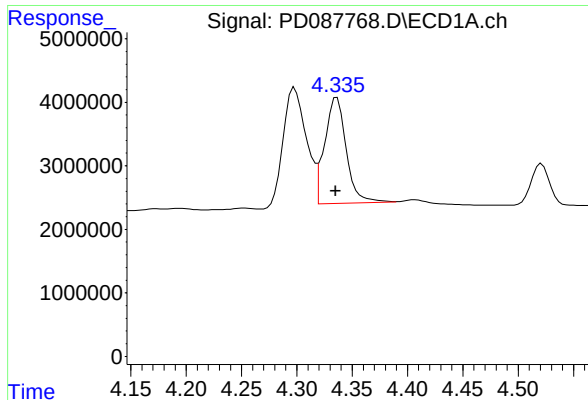
#2 alpha-BHC

R.T.: 4.005 min
Delta R.T.: 0.001 min
Response: 16564782
Conc: 4.12 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: 0.000 min
Response: 108171375
Conc: 5.79 ng/ml



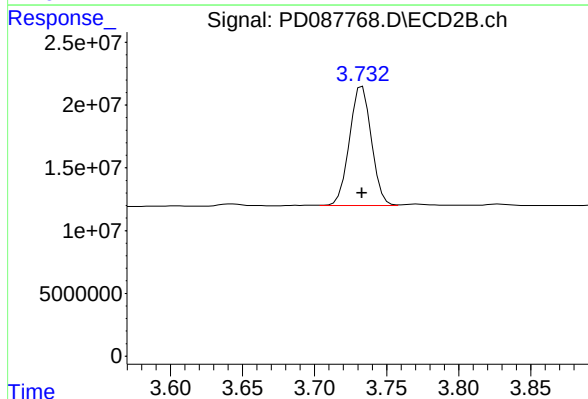
#3 gamma-BHC (Lindane)

R.T.: 4.335 min
Delta R.T.: 0.000 min
Response: 22134008
Conc: 5.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
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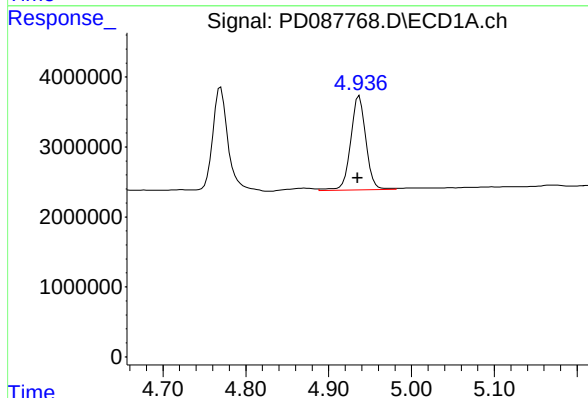
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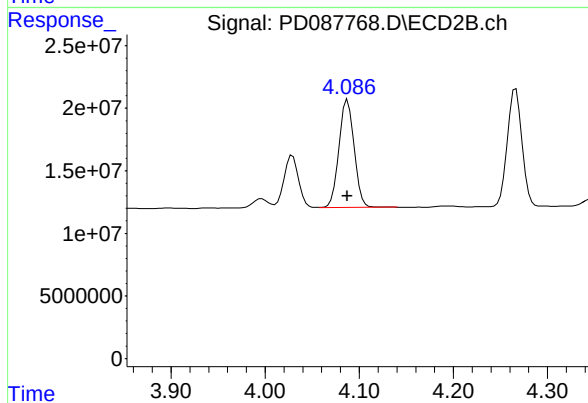
#3 gamma-BHC (Lindane)

R.T.: 3.732 min
Delta R.T.: -0.001 min
Response: 100403852
Conc: 5.66 ng/ml



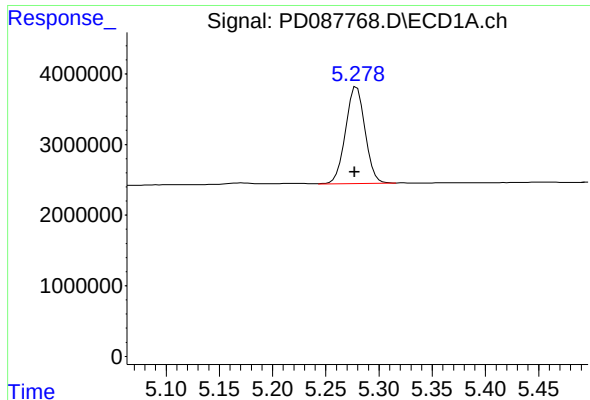
#4 Heptachlor

R.T.: 4.937 min
Delta R.T.: 0.002 min
Response: 17240866
Conc: 4.62 ng/ml



#4 Heptachlor

R.T.: 4.088 min
Delta R.T.: 0.000 min
Response: 97080656
Conc: 5.60 ng/ml



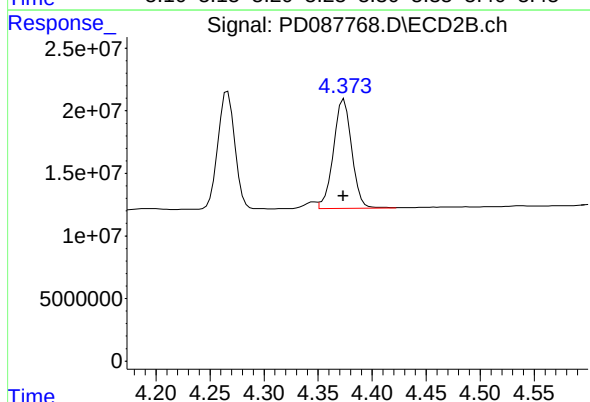
#5 Aldrin

R.T.: 5.279 min
Delta R.T.: 0.002 min
Response: 17294405
Conc: 4.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT1-2025

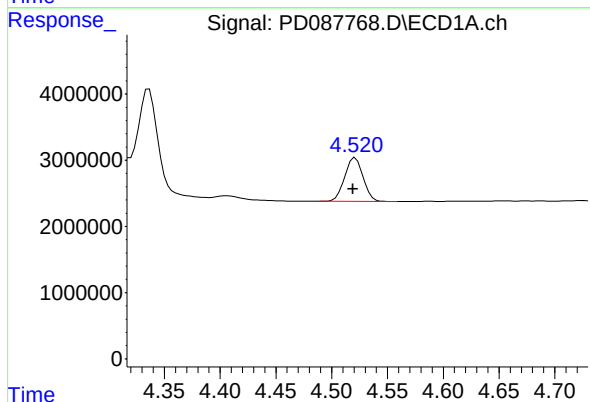
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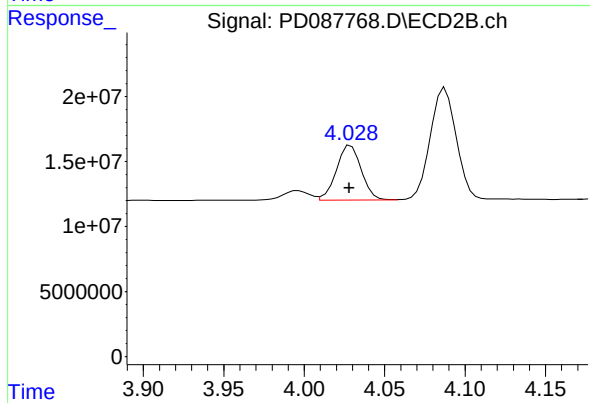
#5 Aldrin

R.T.: 4.374 min
Delta R.T.: 0.000 min
Response: 102428118
Conc: 5.86 ng/ml



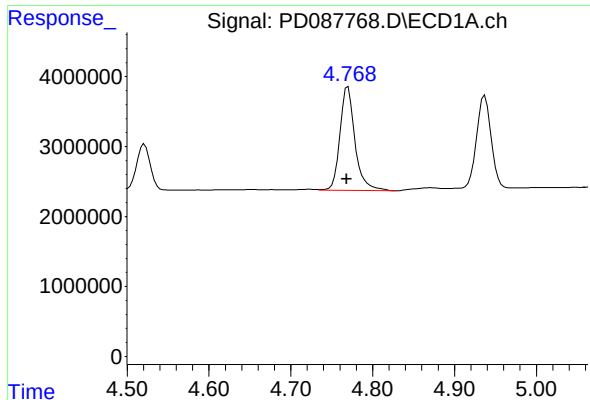
#6 beta-BHC

R.T.: 4.521 min
Delta R.T.: 0.002 min
Response: 7593237
Conc: 4.81 ng/ml



#6 beta-BHC

R.T.: 4.029 min
Delta R.T.: 0.000 min
Response: 45129225
Conc: 5.92 ng/ml



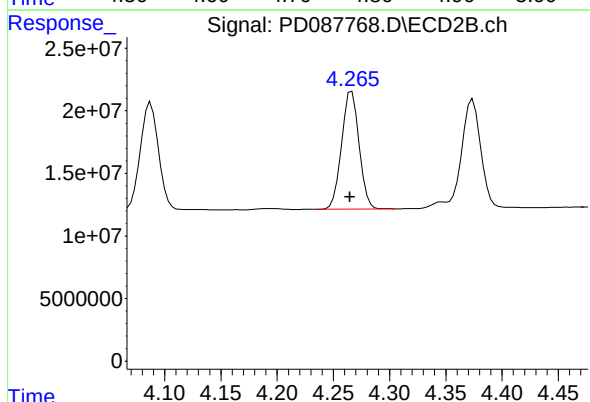
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: 0.002 min
Response: 19053379
Conc: 4.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT1-2025

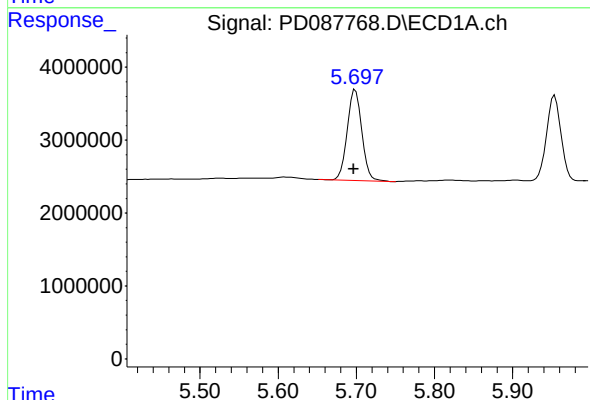
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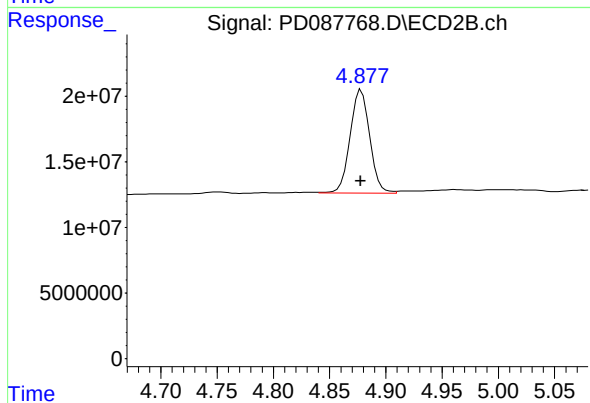
#7 delta-BHC

R.T.: 4.266 min
Delta R.T.: 0.001 min
Response: 102166616
Conc: 5.65 ng/ml



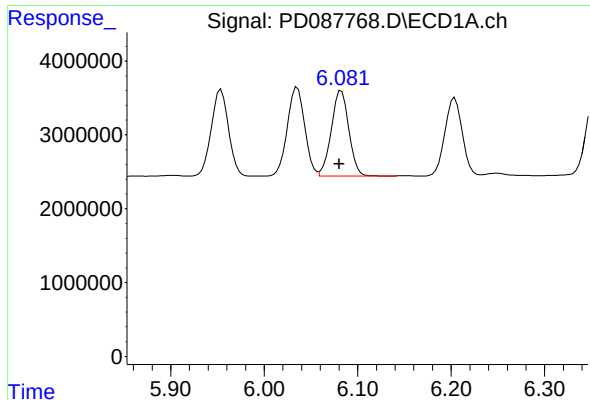
#8 Heptachlor epoxide

R.T.: 5.699 min
Delta R.T.: 0.003 min
Response: 16103827
Conc: 4.71 ng/ml



#8 Heptachlor epoxide

R.T.: 4.878 min
Delta R.T.: 0.000 min
Response: 96044571
Conc: 6.08 ng/ml



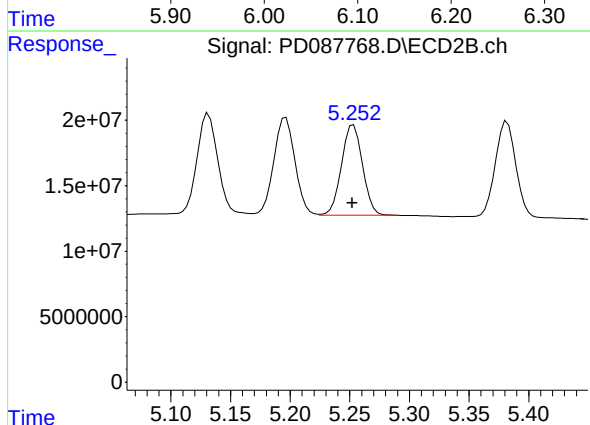
#9 Endosulfan I

R.T.: 6.083 min
Delta R.T.: 0.002 min
Response: 15037277
Conc: 4.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT1-2025

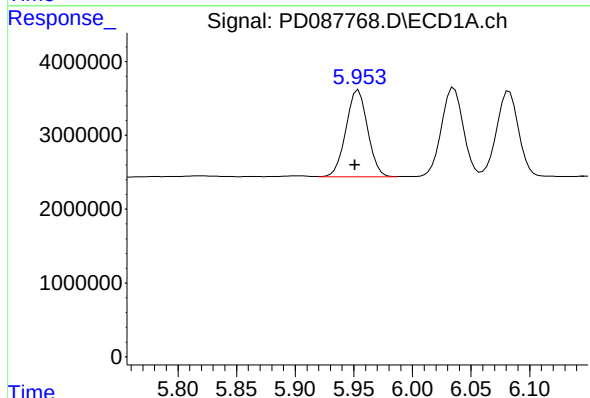
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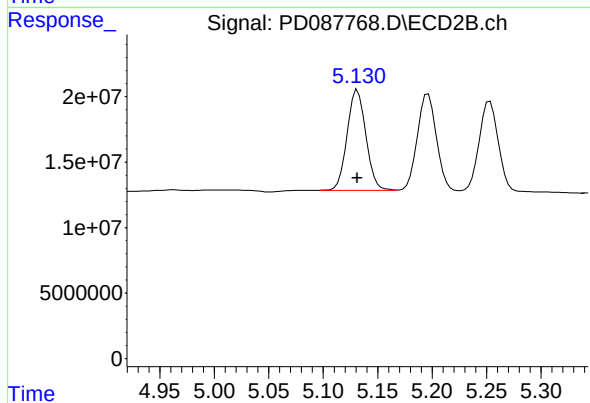
#9 Endosulfan I

R.T.: 5.252 min
Delta R.T.: 0.000 min
Response: 84821138
Conc: 5.69 ng/ml m



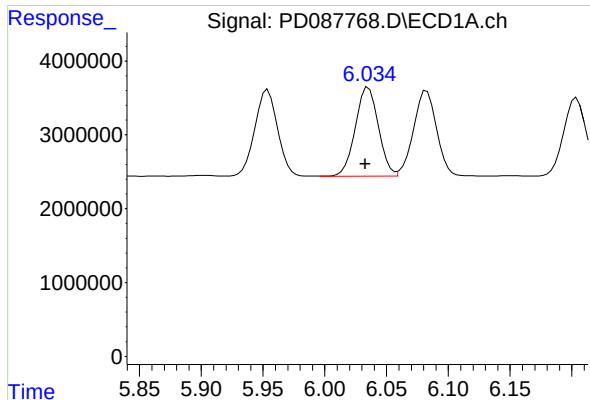
#10 gamma-Chlordane

R.T.: 5.954 min
Delta R.T.: 0.003 min
Response: 15125637
Conc: 4.58 ng/ml



#10 gamma-Chlordane

R.T.: 5.130 min
Delta R.T.: -0.001 min
Response: 92176599
Conc: 5.67 ng/ml m



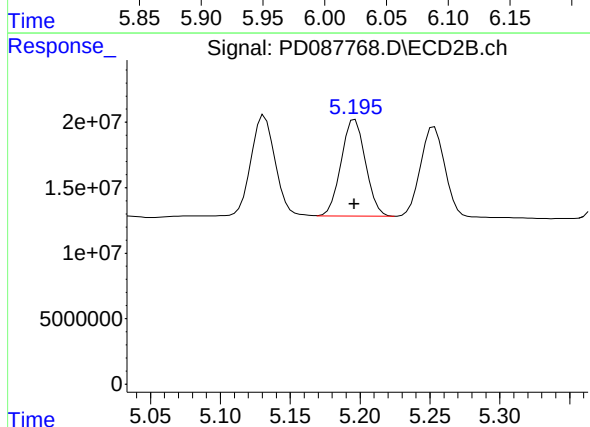
#11 alpha-Chlordane

R.T.: 6.035 min
Delta R.T.: 0.003 min
Response: 15678575
Conc: 4.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT1-2025

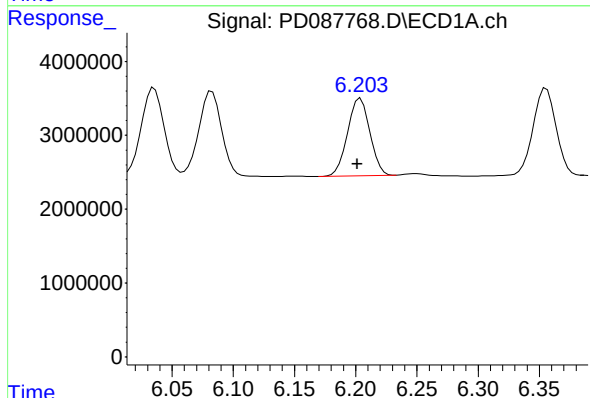
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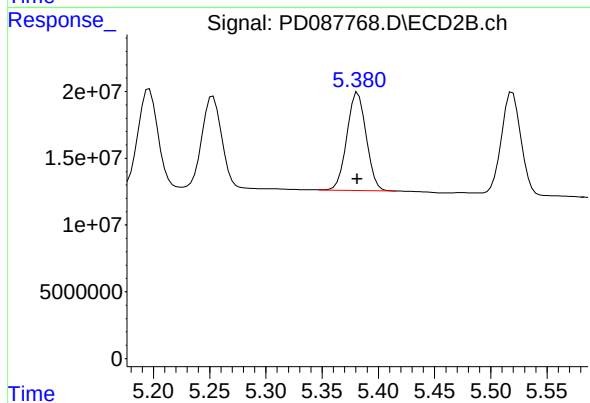
#11 alpha-Chlordane

R.T.: 5.195 min
Delta R.T.: 0.000 min
Response: 89833820
Conc: 5.63 ng/ml m



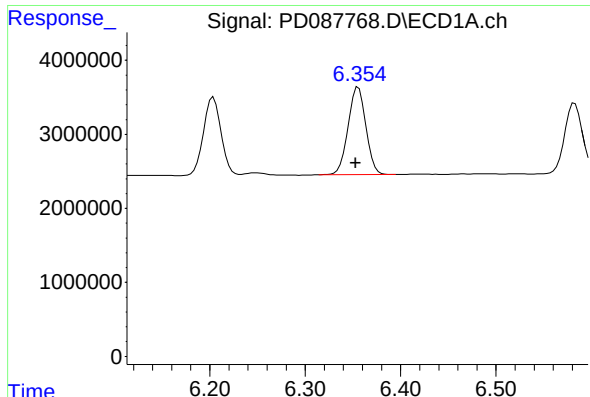
#12 4,4'-DDE

R.T.: 6.204 min
Delta R.T.: 0.003 min
Response: 13329878
Conc: 4.42 ng/ml



#12 4,4'-DDE

R.T.: 5.380 min
Delta R.T.: 0.000 min
Response: 87787372
Conc: 5.58 ng/ml m



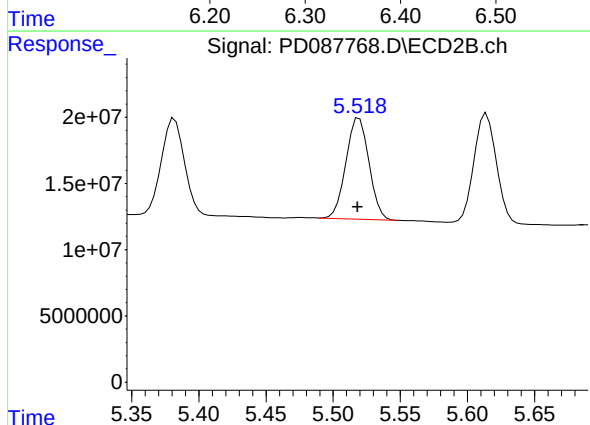
#13 Dieldrin

R.T.: 6.356 min
Delta R.T.: 0.003 min
Response: 15490277
Conc: 4.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT1-2025

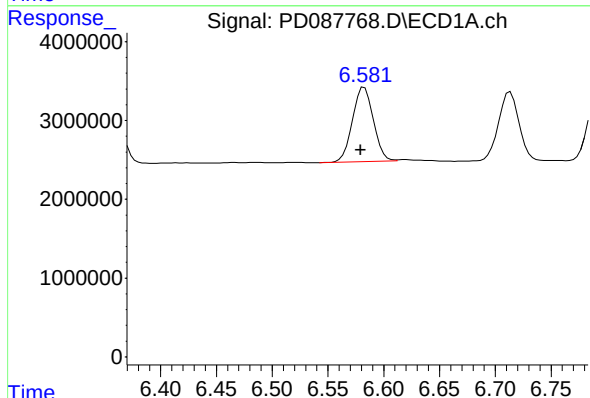
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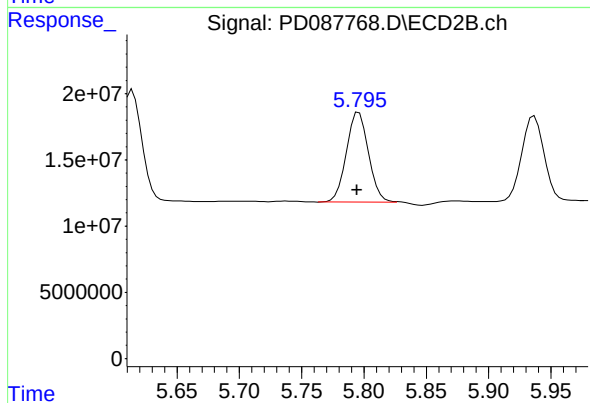
#13 Dieldrin

R.T.: 5.518 min
Delta R.T.: 0.000 min
Response: 91856667
Conc: 5.64 ng/ml m



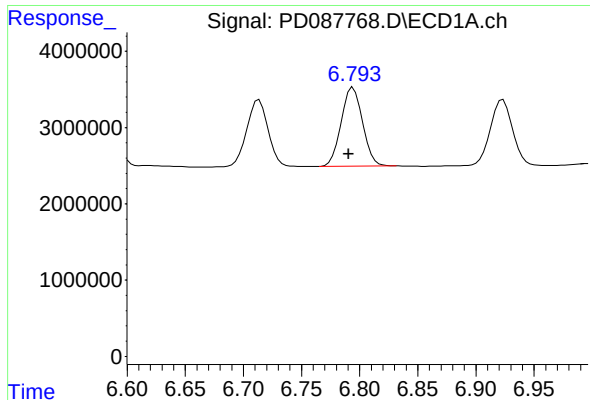
#14 Endrin

R.T.: 6.583 min
Delta R.T.: 0.003 min
Response: 12266246
Conc: 4.23 ng/ml



#14 Endrin

R.T.: 5.795 min
Delta R.T.: 0.000 min
Response: 83238470
Conc: 5.59 ng/ml m



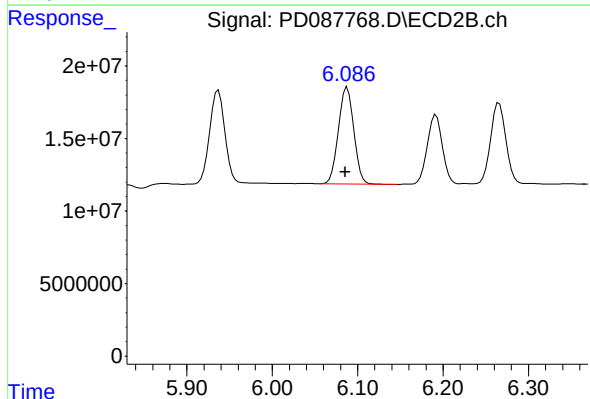
#15 Endosulfan II

R.T.: 6.795 min
Delta R.T.: 0.004 min
Response: 13225508
Conc: 4.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT1-2025

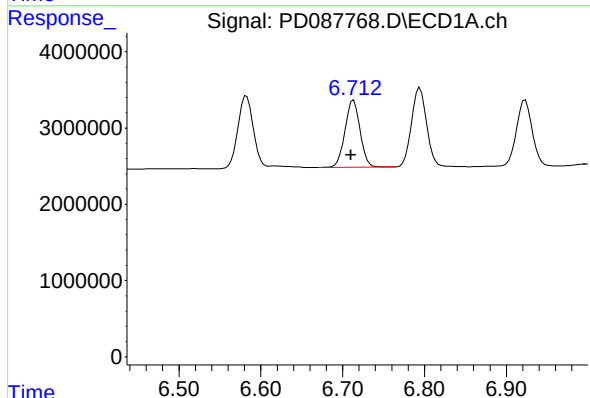
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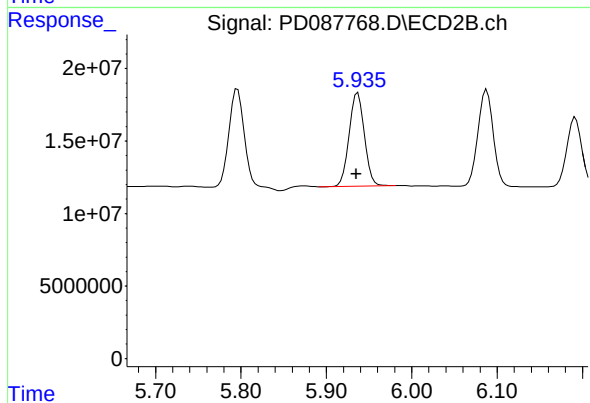
#15 Endosulfan II

R.T.: 6.088 min
Delta R.T.: 0.002 min
Response: 83050413
Conc: 5.82 ng/ml



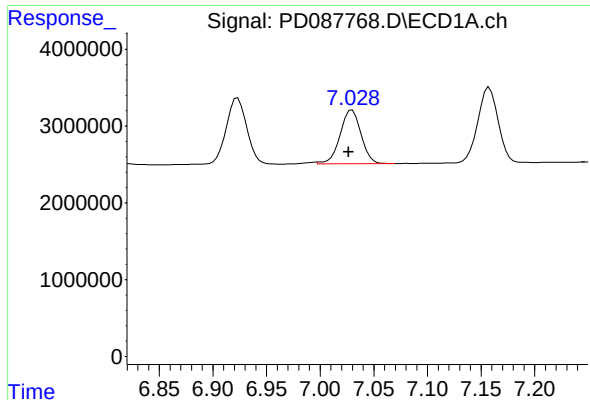
#16 4,4'-DDD

R.T.: 6.713 min
Delta R.T.: 0.003 min
Response: 11311314
Conc: 4.70 ng/ml



#16 4,4'-DDD

R.T.: 5.937 min
Delta R.T.: 0.002 min
Response: 80362339
Conc: 6.08 ng/ml



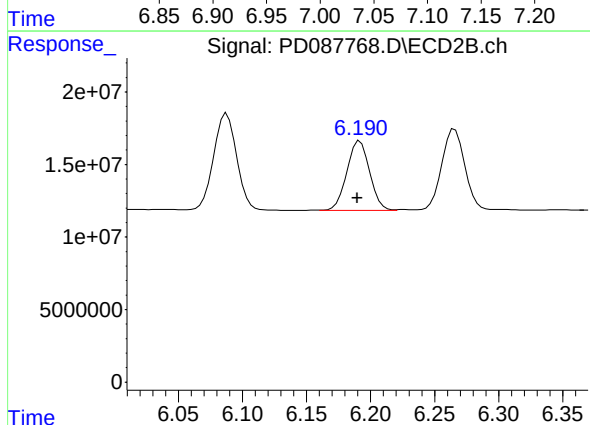
#17 4,4'-DDT

R.T.: 7.028 min
Delta R.T.: 0.002 min
Response: 9506792
Conc: 3.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT1-2025

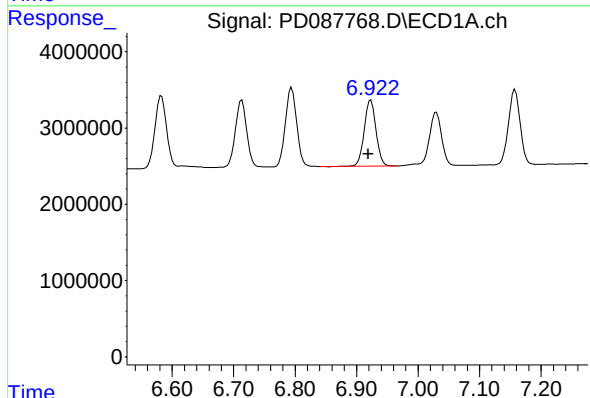
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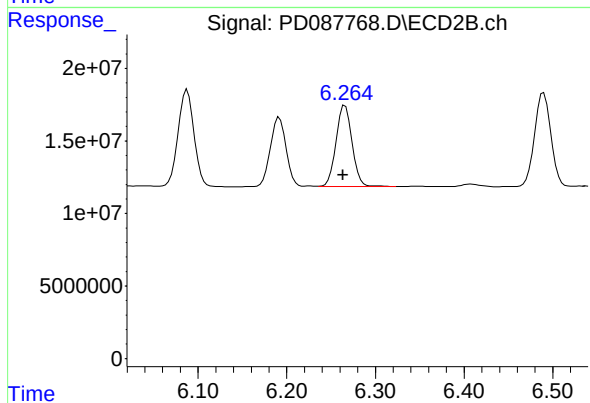
#17 4,4'-DDT

R.T.: 6.192 min
Delta R.T.: 0.002 min
Response: 58882482
Conc: 4.37 ng/ml



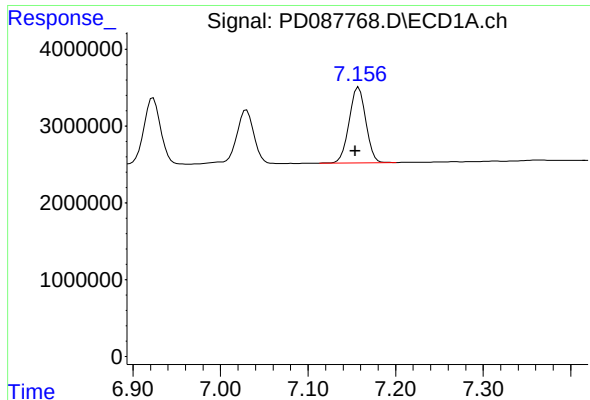
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.004 min
Response: 11510764
Conc: 4.97 ng/ml



#18 Endrin aldehyde

R.T.: 6.266 min
Delta R.T.: 0.002 min
Response: 70759126
Conc: 6.07 ng/ml



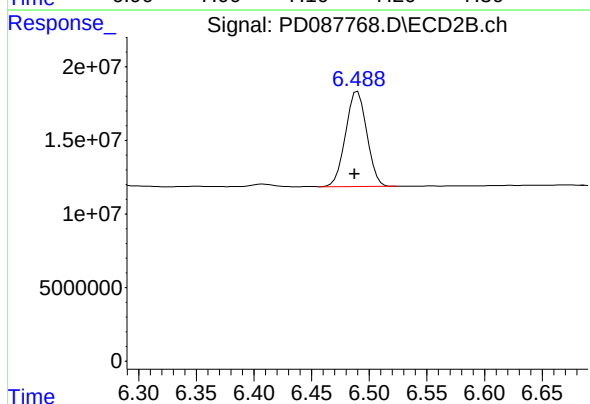
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.004 min
Response: 12972288
Conc: 4.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT1-2025

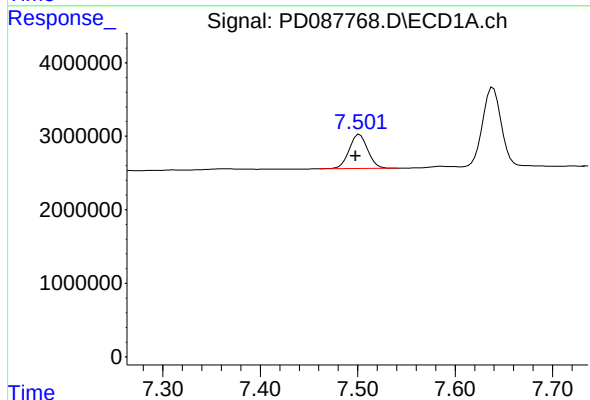
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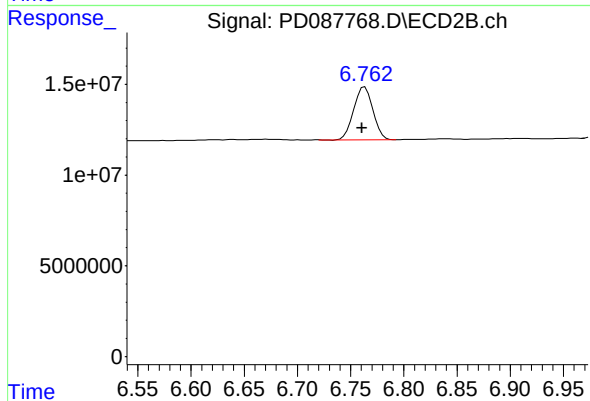
#19 Endosulfan Sulfate

R.T.: 6.490 min
Delta R.T.: 0.002 min
Response: 82501447
Conc: 5.80 ng/ml



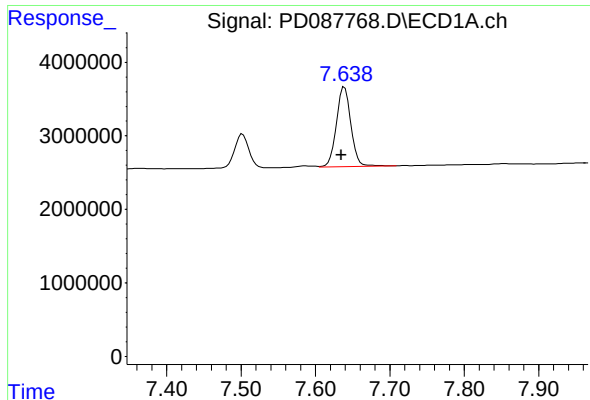
#20 Methoxychlor

R.T.: 7.502 min
Delta R.T.: 0.004 min
Response: 6120838
Conc: 4.17 ng/ml



#20 Methoxychlor

R.T.: 6.763 min
Delta R.T.: 0.003 min
Response: 36535338
Conc: 4.78 ng/ml



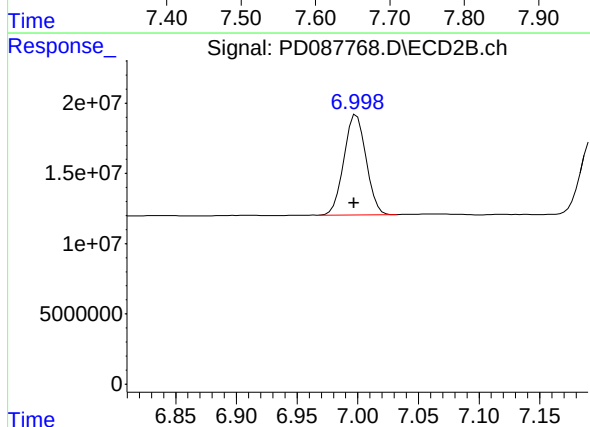
#21 Endrin ketone

R.T.: 7.639 min
Delta R.T.: 0.005 min
Response: 14732051
Conc: 4.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT1-2025

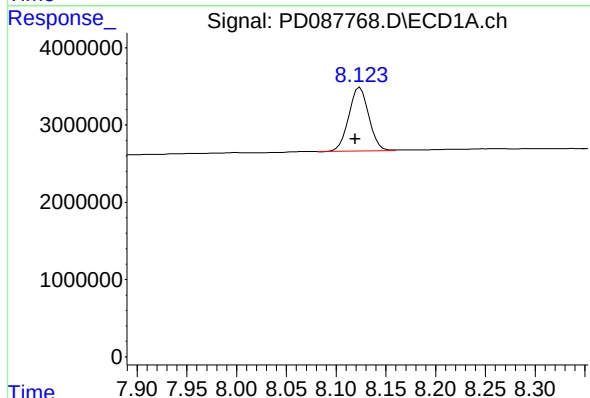
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/07/2025
Supervised By :Ankita Jodhani 02/07/2025



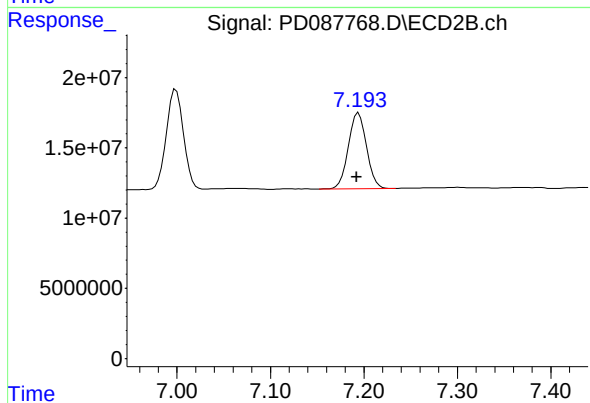
#21 Endrin ketone

R.T.: 6.999 min
Delta R.T.: 0.002 min
Response: 90735156
Conc: 5.81 ng/ml



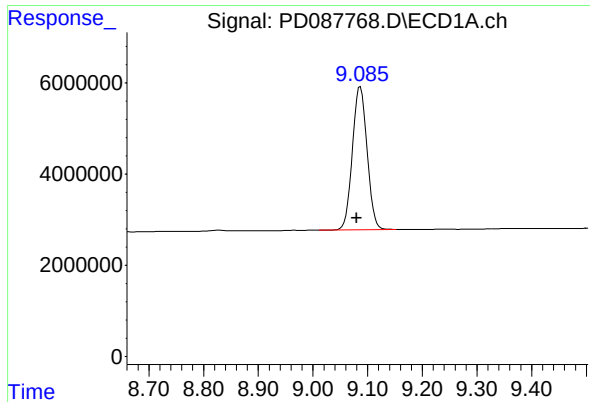
#22 Mirex

R.T.: 8.124 min
Delta R.T.: 0.005 min
Response: 11509092
Conc: 4.96 ng/ml



#22 Mirex

R.T.: 7.194 min
Delta R.T.: 0.002 min
Response: 73026439
Conc: 5.77 ng/ml



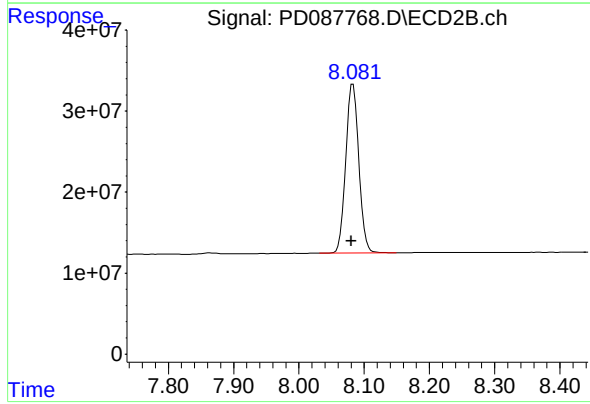
#28 Decachlorobiphenyl

R.T.: 9.087 min
Delta R.T.: 0.007 min
Response: 58592141
Conc: 19.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
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#28 Decachlorobiphenyl

R.T.: 8.083 min
Delta R.T.: 0.002 min
Response: 290344610
Conc: 20.54 ng/ml