

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080425\
 Data File : PD089725.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Aug 2025 10:57
 Operator : AR\AJ
 Sample : Q2126-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/06/2025
 Supervised By :mohammad ahmed 08/07/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 05 06:33:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 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...	3.547	2.878	43844073	312.6E6	17.775	19.735
2) SA Decachlor...	9.068	8.067	73376102	410.9E6	19.745	20.466
Target Compounds						
2) A alpha-BHC	3.996	3.390	3707843	28214032	0.749	1.161 #
3) MA gamma-BHC...	4.327	3.726	4647419	26273324	0.978	1.166
4) MA Heptachlor	4.926	4.079	4209074	25431751	0.875	1.096 #
5) MB Aldrin	5.267	4.364	3890696	25472229	0.852	1.145 #
6) B beta-BHC	4.514	4.022	1921850	12979065	1.042	1.345 #
7) B delta-BHC	4.763	4.258	5829149	27737690	1.271	1.221
8) B Heptachlo...	5.686	4.868	4102149	26434511	0.981m	1.286 #
9) A Endosulfan I	6.071	5.242	3891849	24533933	0.982	1.255 #
10) B gamma-Chl...	5.943	5.121	3830935	28487941	0.917	1.316 #
11) B alpha-Chl...	6.023	5.186	4116365	26798926	0.979	1.287 #
12) B 4,4'-DDE	6.192	5.370	3201734	25901945	0.858	1.225 #
13) MA Dieldrin	6.344	5.508	4056534	26730292	0.960	1.235 #
14) MA Endrin	6.571	5.785	3275805	30360551	0.916	1.524 #
15) B Endosulfa...	6.783	6.076	4415827	24590721	1.203	1.308
16) A 4,4'-DDD	6.702	5.924	2859913	22850626	0.955	1.296 #
17) MA 4,4'-DDT	7.018	6.179	3235490	19500052	0.963	1.061
18) B Endrin al...	6.911	6.253	3000396	19236485	1.202m	1.489m
19) B Endosulfa...	7.146	6.477	3642160	24079011	1.050	1.297
20) A Methoxychlor	7.488	6.749	1947135	11660698	1.089m	1.190
21) B Endrin ke...	7.627	6.985	3788977	25510057	1.020	1.271m
22) Mirex	8.110	7.180	3186651	19942664	1.143	1.310

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080425\
Data File : PD089725.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 10:57
Operator : AR\AJ
Sample : Q2126-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

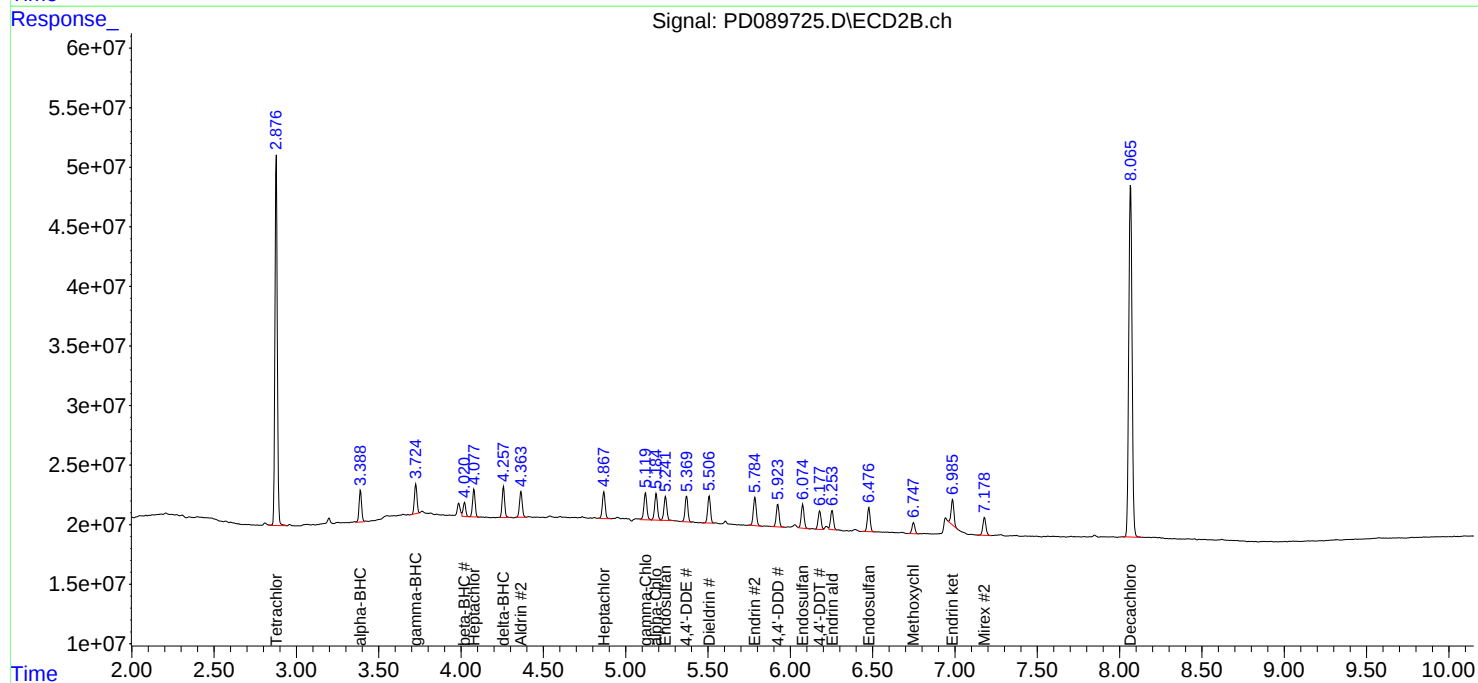
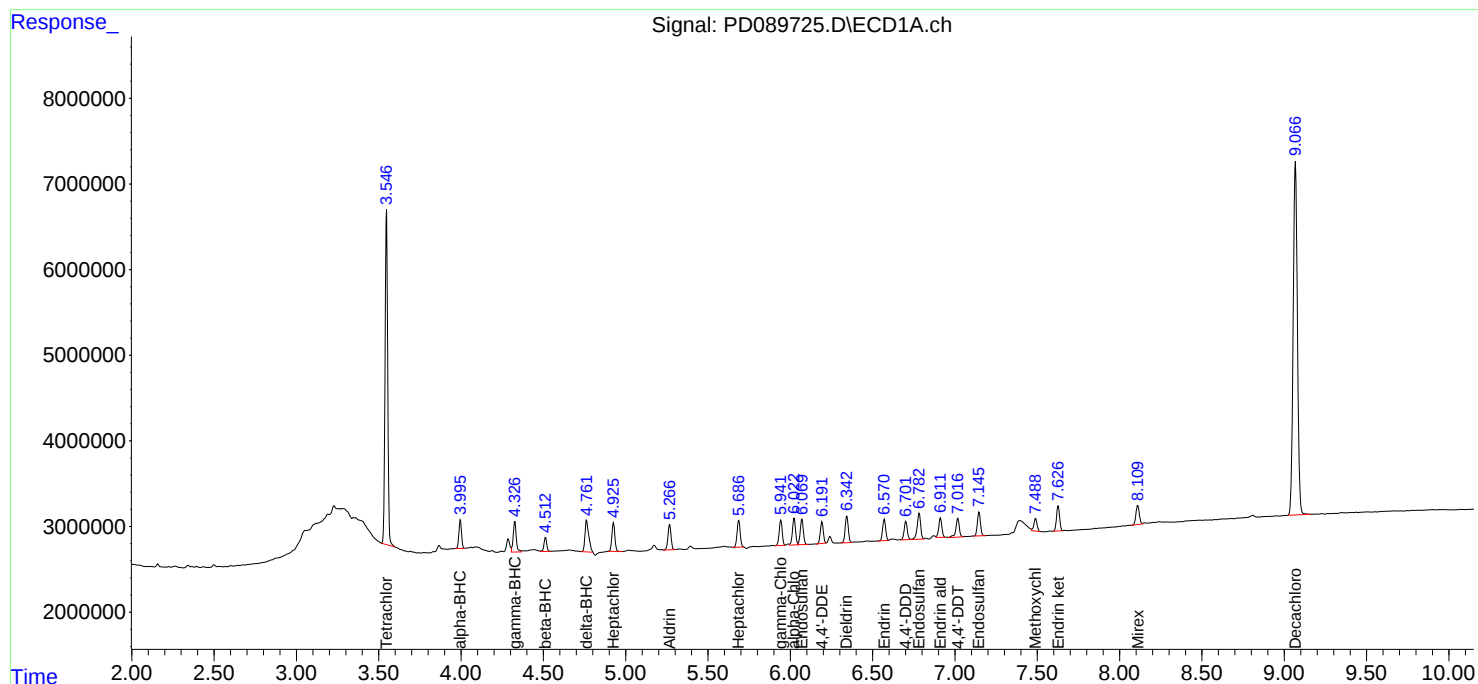
Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

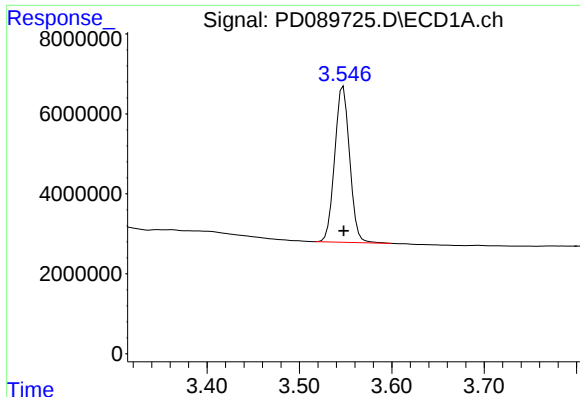
Manual Integrations
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Reviewed By :Abdul Mirza 08/06/2025
Supervised By :mohammad ahmed 08/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 06:33:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 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





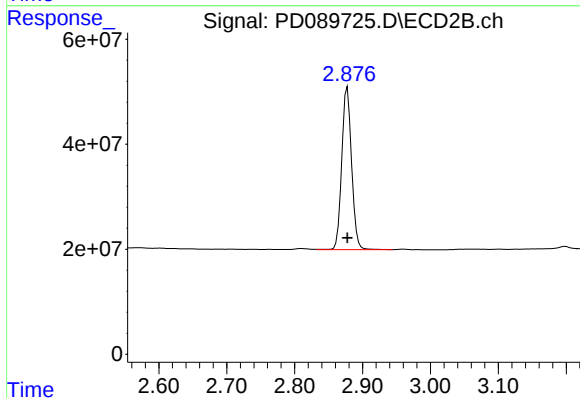
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 43844073
Conc: 17.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

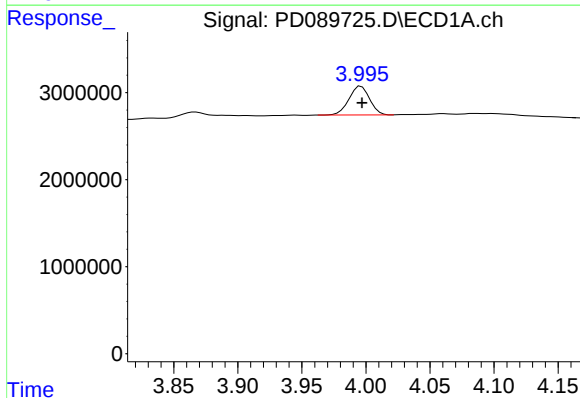
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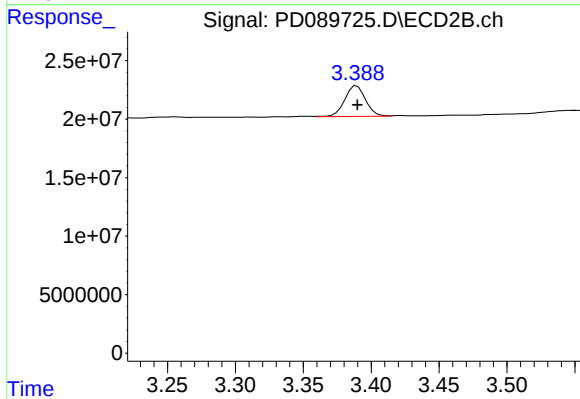
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 312559079
Conc: 19.73 ng/ml



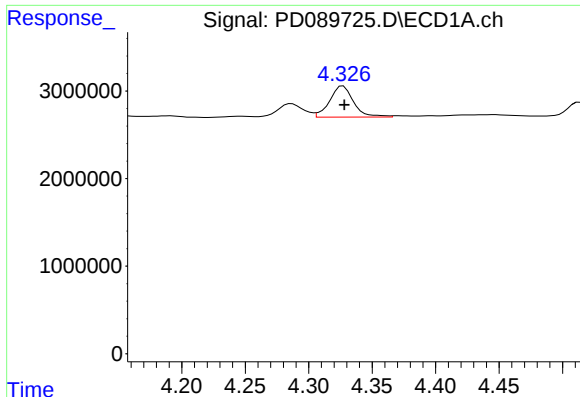
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 3707843
Conc: 0.75 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 28214032
Conc: 1.16 ng/ml



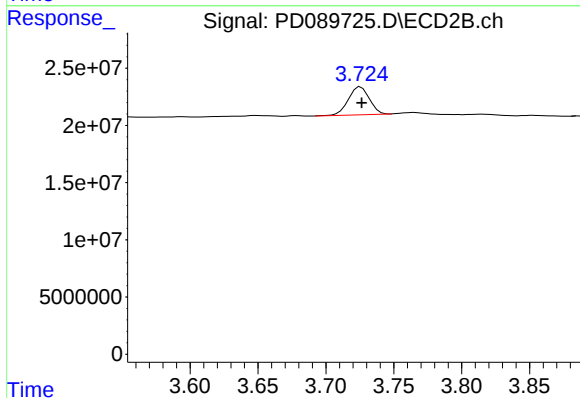
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: -0.001 min
Response: 4647419
Conc: 0.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

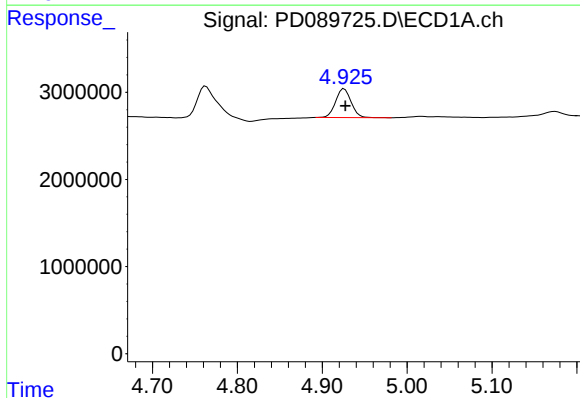
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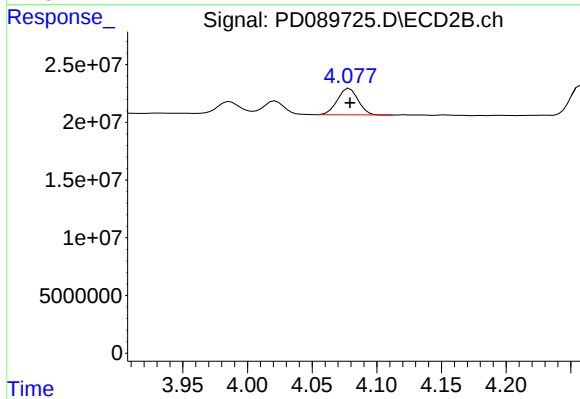
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 26273324
Conc: 1.17 ng/ml



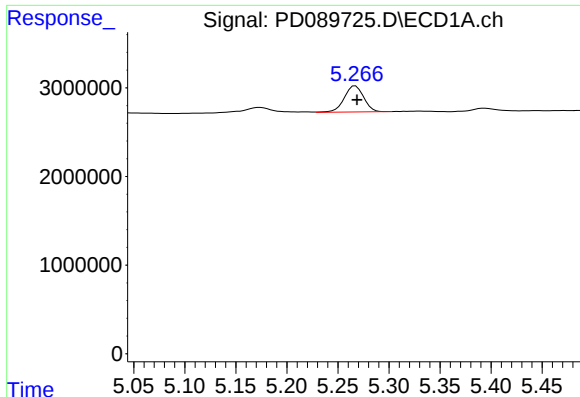
#4 Heptachlor

R.T.: 4.926 min
Delta R.T.: -0.001 min
Response: 4209074
Conc: 0.87 ng/ml



#4 Heptachlor

R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 25431751
Conc: 1.10 ng/ml



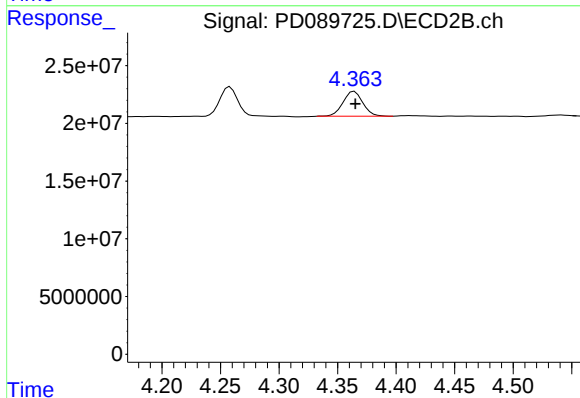
#5 Aldrin

R.T.: 5.267 min
Delta R.T.: -0.002 min
Response: 3890696
Conc: 0.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

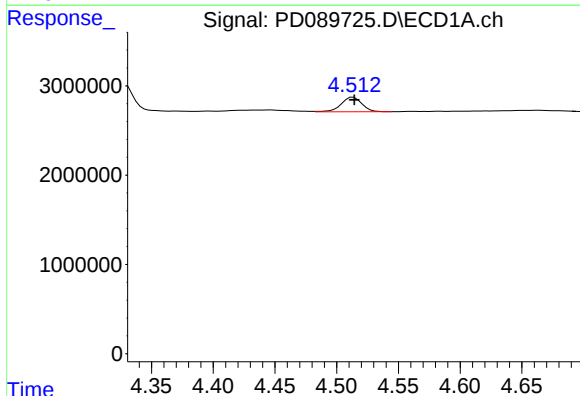
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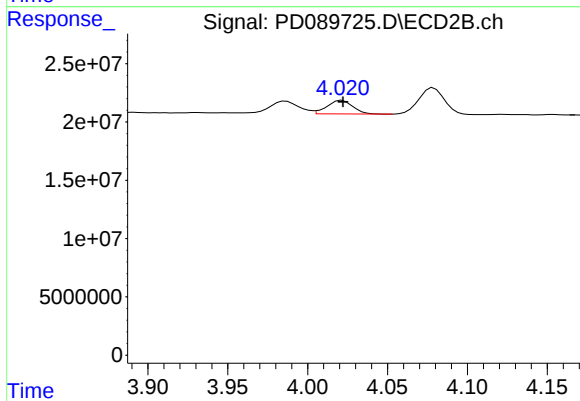
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 25472229
Conc: 1.14 ng/ml



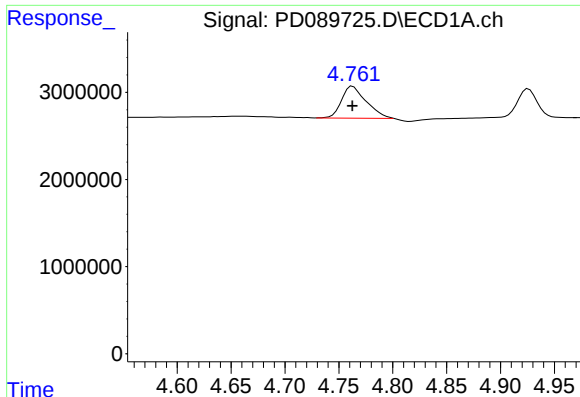
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 1921850
Conc: 1.04 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 12979065
Conc: 1.35 ng/ml



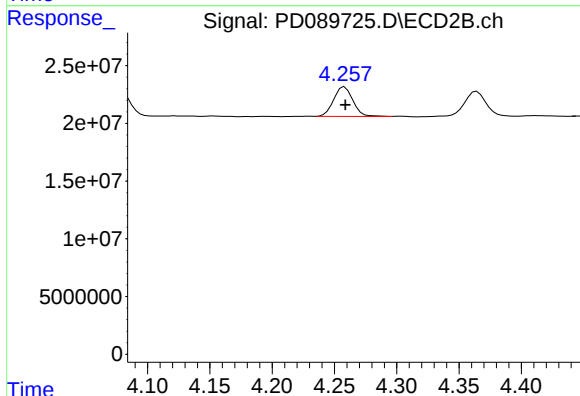
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 5829149
Conc: 1.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

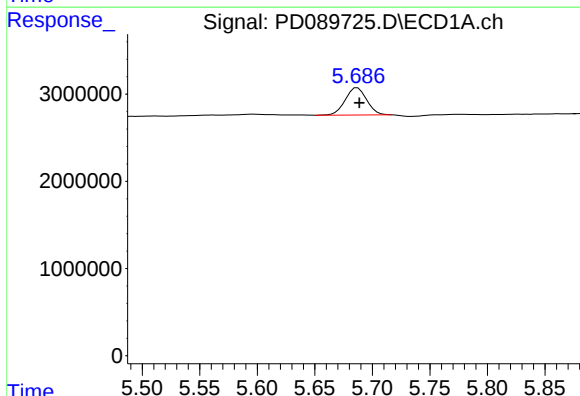
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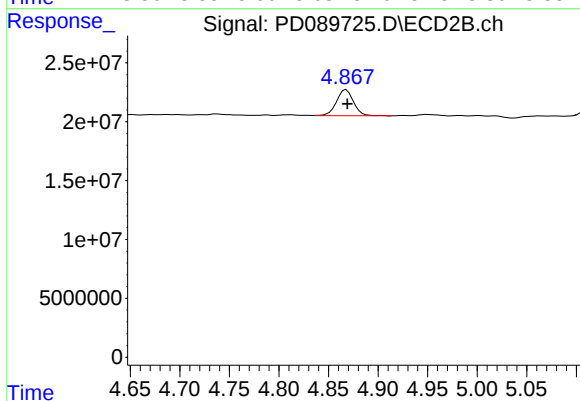
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 27737690
Conc: 1.22 ng/ml



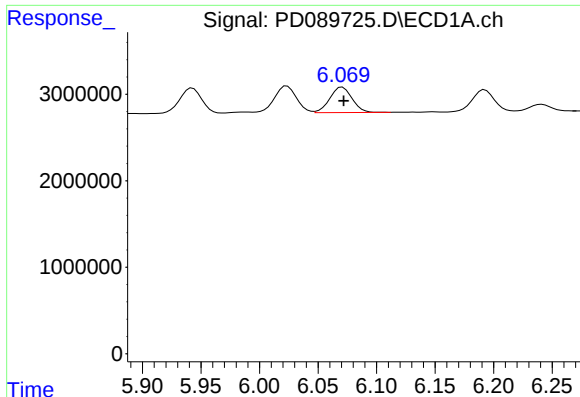
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: -0.003 min
Response: 4102149
Conc: 0.98 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 26434511
Conc: 1.29 ng/ml



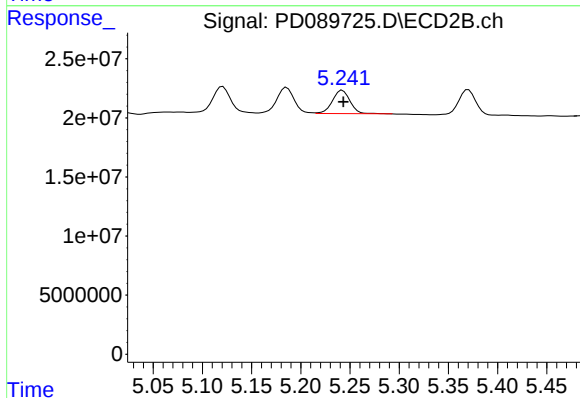
#9 Endosulfan I

R.T.: 6.071 min
Delta R.T.: -0.001 min
Response: 3891849
Conc: 0.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

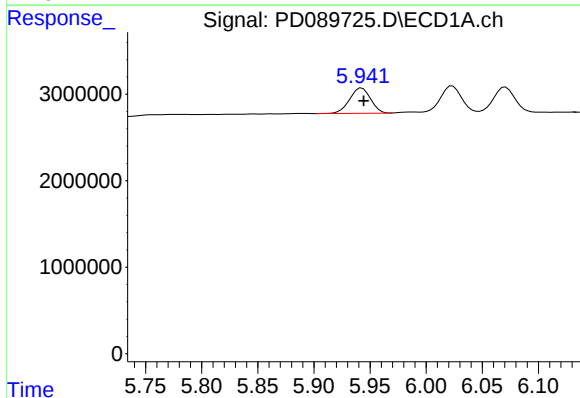
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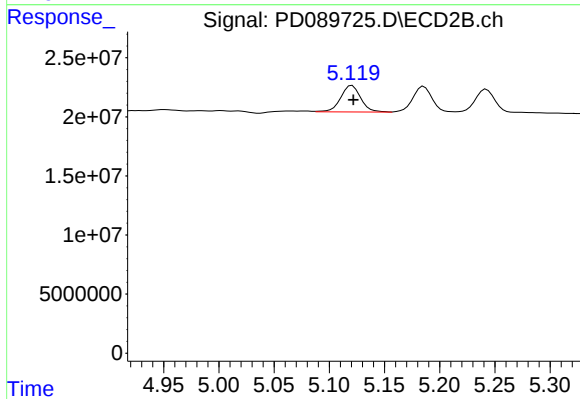
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 24533933
Conc: 1.26 ng/ml



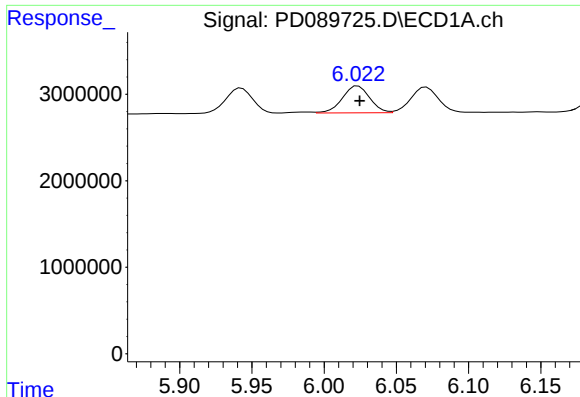
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: -0.002 min
Response: 3830935
Conc: 0.92 ng/ml



#10 gamma-Chlordane

R.T.: 5.121 min
Delta R.T.: -0.001 min
Response: 28487941
Conc: 1.32 ng/ml



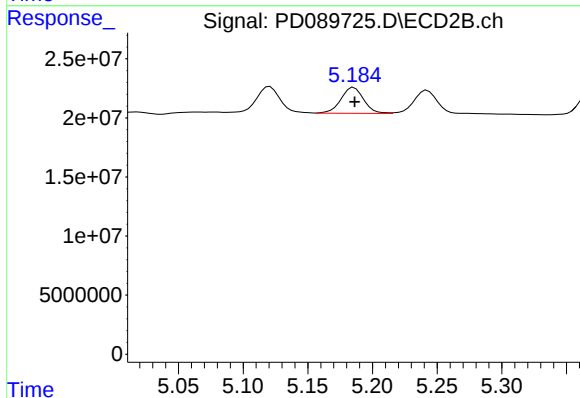
#11 alpha-Chlordane

R.T.: 6.023 min
Delta R.T.: -0.001 min
Response: 4116365
Conc: 0.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

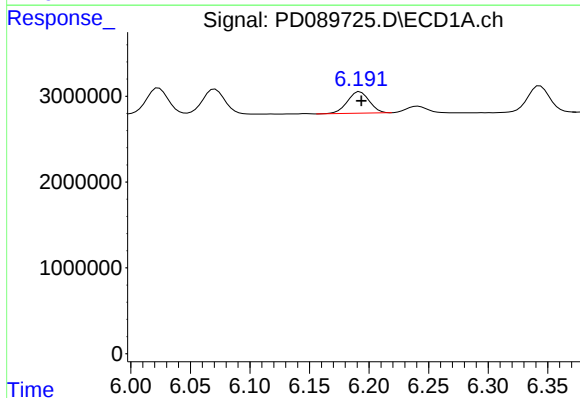
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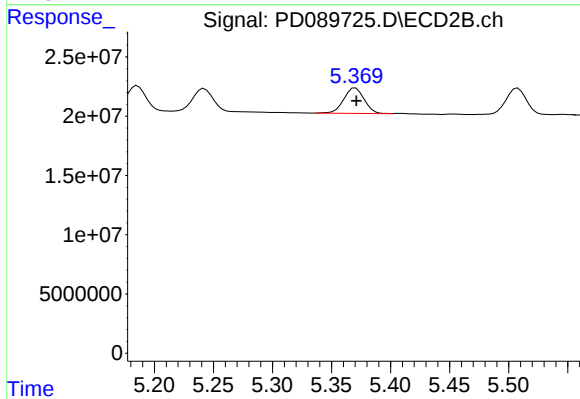
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 26798926
Conc: 1.29 ng/ml



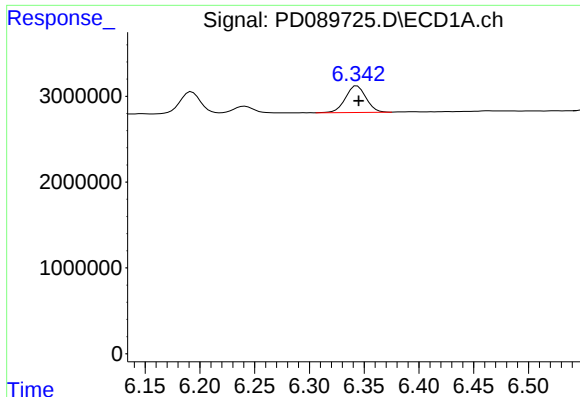
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.001 min
Response: 3201734
Conc: 0.86 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: 0.000 min
Response: 25901945
Conc: 1.23 ng/ml



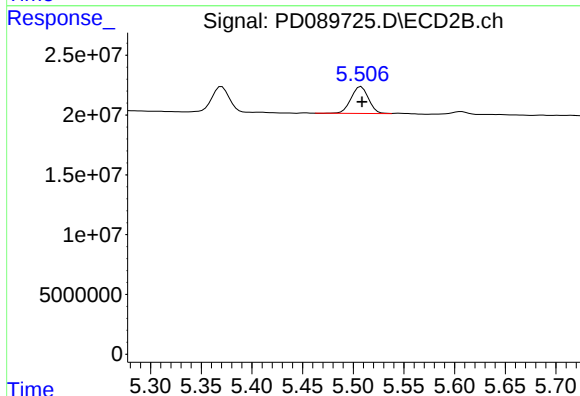
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: -0.001 min
Response: 4056534
Conc: 0.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

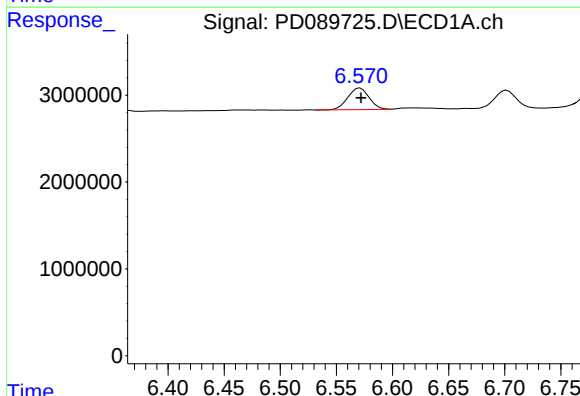
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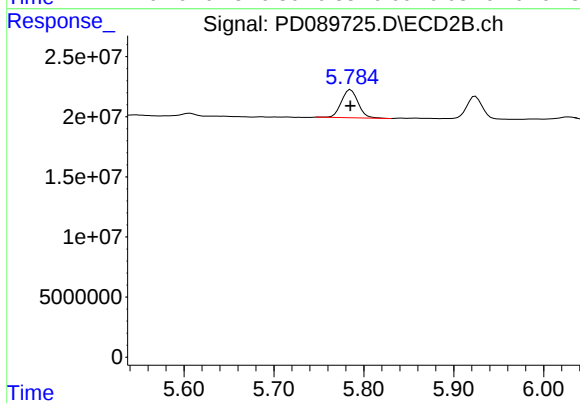
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 26730292
Conc: 1.24 ng/ml



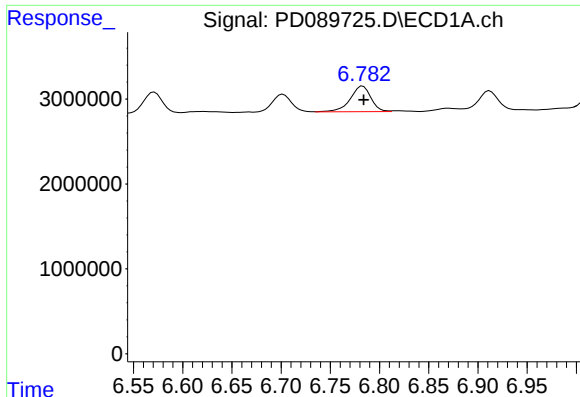
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.001 min
Response: 3275805
Conc: 0.92 ng/ml



#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 30360551
Conc: 1.52 ng/ml



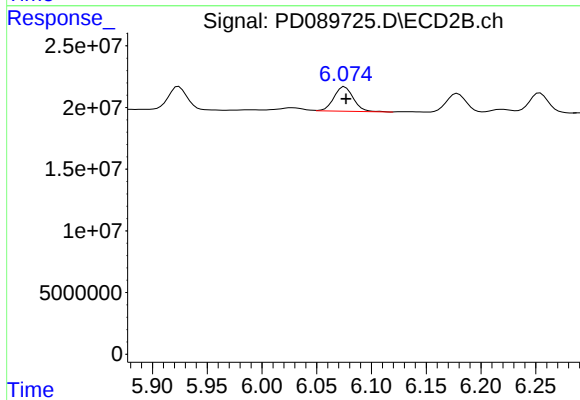
#15 Endosulfan II

R.T.: 6.783 min
Delta R.T.: 0.000 min
Response: 4415827
Conc: 1.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

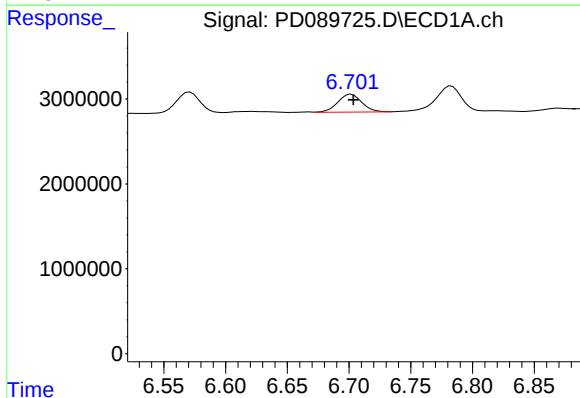
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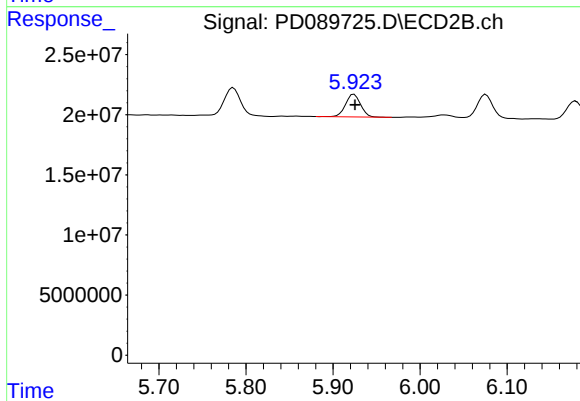
#15 Endosulfan II

R.T.: 6.076 min
Delta R.T.: -0.001 min
Response: 24590721
Conc: 1.31 ng/ml



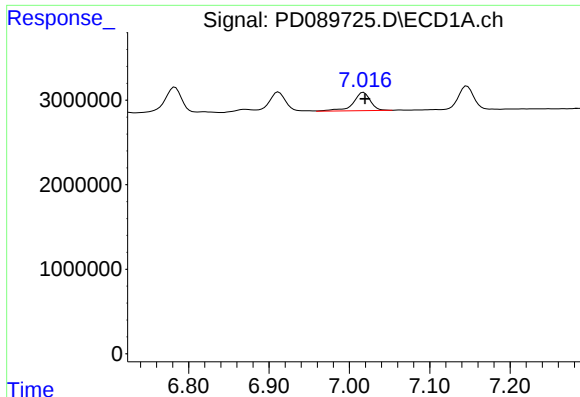
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: -0.002 min
Response: 2859913
Conc: 0.95 ng/ml



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: -0.001 min
Response: 22850626
Conc: 1.30 ng/ml



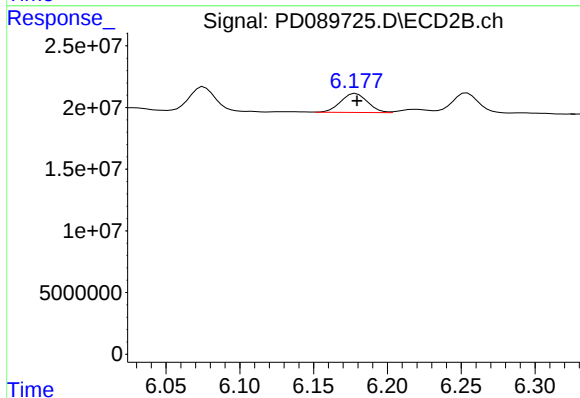
#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: -0.002 min
Response: 3235490
Conc: 0.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

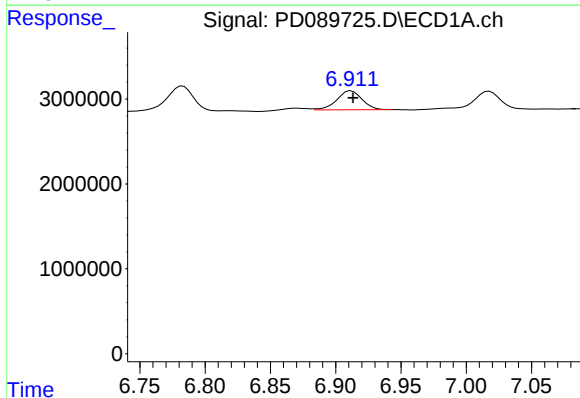
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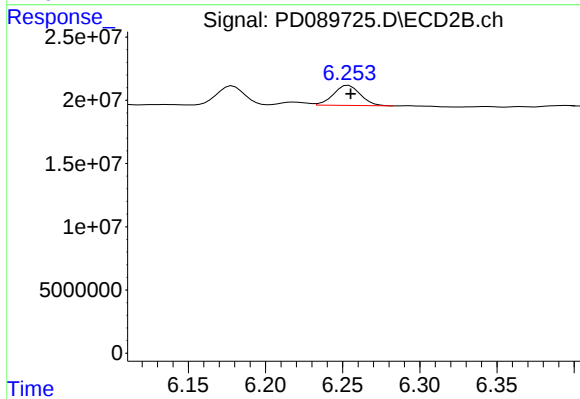
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 19500052
Conc: 1.06 ng/ml



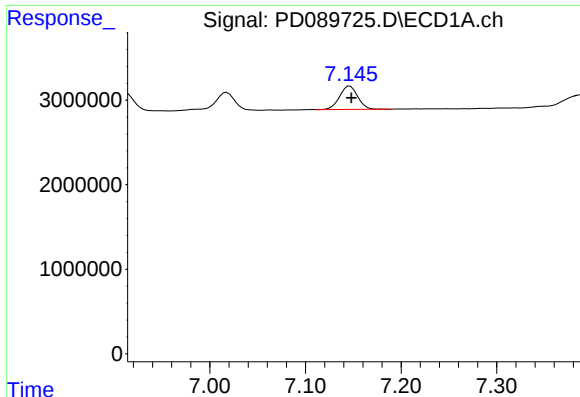
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: -0.003 min
Response: 3000396
Conc: 1.20 ng/ml m



#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: -0.003 min
Response: 19236485
Conc: 1.49 ng/ml m



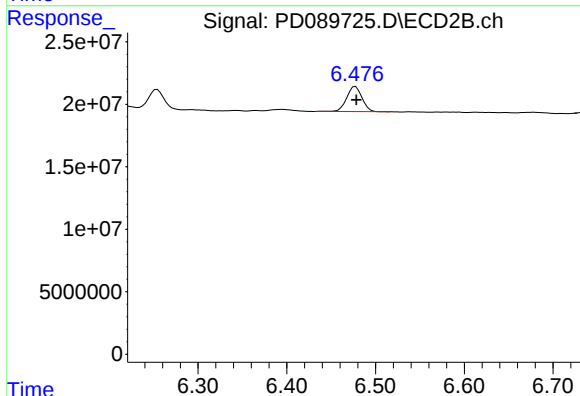
#19 Endosulfan Sulfate

R.T.: 7.146 min
Delta R.T.: -0.002 min
Response: 3642160
Conc: 1.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

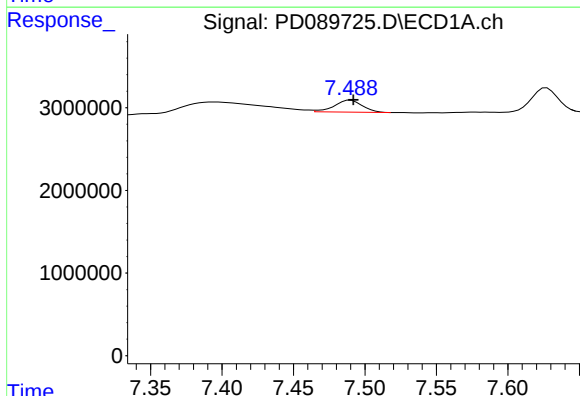
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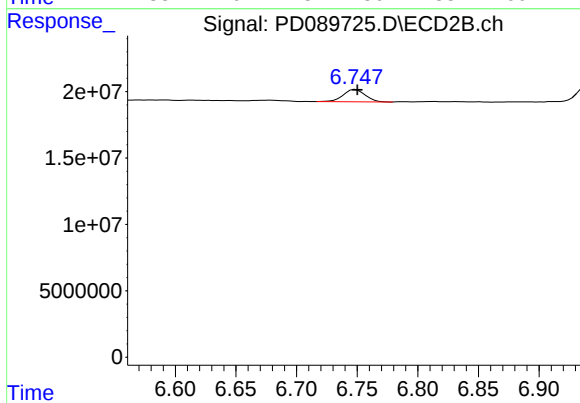
#19 Endosulfan Sulfate

R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 24079011
Conc: 1.30 ng/ml



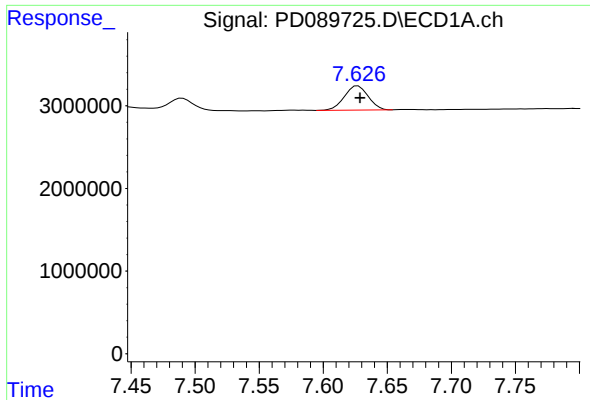
#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: -0.003 min
Response: 1947135
Conc: 1.09 ng/ml m



#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: -0.002 min
Response: 11660698
Conc: 1.19 ng/ml



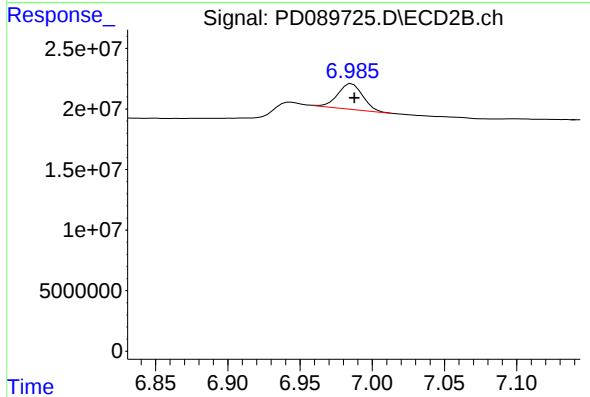
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: -0.002 min
Response: 3788977
Conc: 1.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

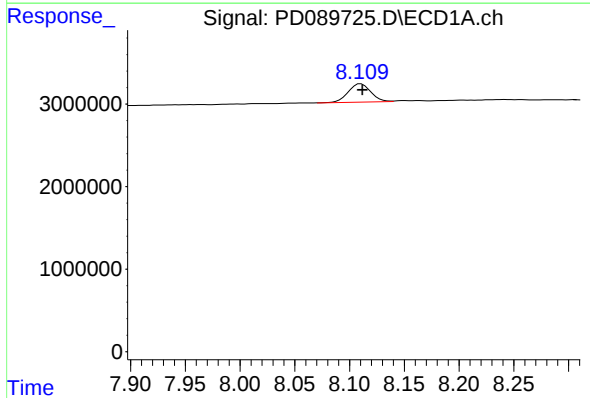
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/06/2025
Supervised By :mohammad ahmed 08/07/2025



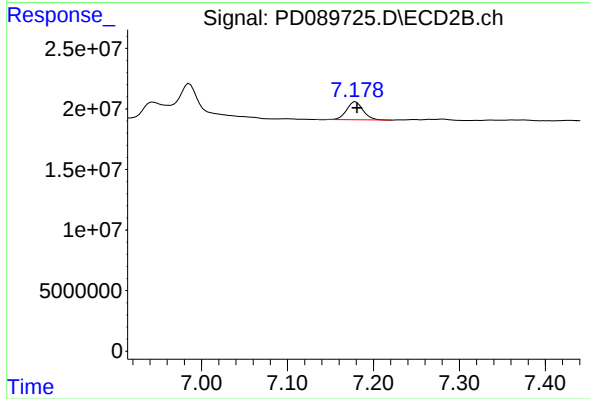
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: -0.003 min
Response: 25510057
Conc: 1.27 ng/ml m



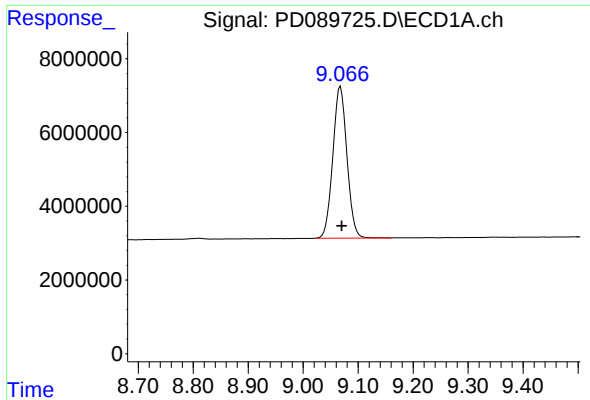
#22 Mirex

R.T.: 8.110 min
Delta R.T.: -0.001 min
Response: 3186651
Conc: 1.14 ng/ml



#22 Mirex

R.T.: 7.180 min
Delta R.T.: -0.002 min
Response: 19942664
Conc: 1.31 ng/ml



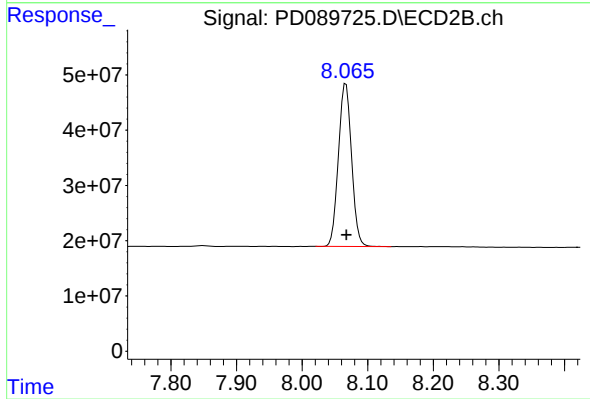
#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.003 min
Response: 73376102
Conc: 19.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT2-2025

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.001 min
Response: 410925907
Conc: 20.47 ng/ml