

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
 Data File : PD089131.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Jun 2025 15:14
 Operator : AR\AJ
 Sample : Q2126-01
 Misc : PEST LOD 1PPB SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/26/2025
 Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 26 06:39:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 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...	3.550	2.881	46812856	298.5E6	16.408	17.605
28)	SA Decachlor...	9.072	8.072	71562410	373.2E6	18.220	18.878
Target Compounds							
2)	A alpha-BHC	3.999	3.393	4290450	27380101	0.736	1.022 #
3)	MA gamma-BHC...	4.329	3.730	4654706	26333223	0.834m	1.064 #
4)	MA Heptachlor	4.929	4.083	4880570	26374876	0.895	1.053
5)	MB Aldrin	5.271	4.369	4530381	24780142	0.853	1.023
6)	B beta-BHC	4.516	4.025	2204629	13331773	0.999	1.241
7)	B delta-BHC	4.763	4.262	5789646	27202993	1.128m	1.094
8)	B Heptachlo...	5.688	4.872	4700296	24377163	0.974m	1.113
9)	A Endosulfan I	6.074	5.245	4390055	23656481	0.974	1.135m
10)	B gamma-Chl...	5.945	5.124	4265777	24878940	0.891	1.040m
11)	B alpha-Chl...	6.026	5.189	4677248	25109780	0.967	1.097m
12)	B 4,4'-DDE	6.195	5.375	3709228	24755113	0.851	1.080 #
13)	MA Dieldrin	6.346	5.512	4422925	24610823	0.922	1.060
14)	MA Endrin	6.573	5.790	3522186	27511885	0.854	1.267 #
15)	B Endosulfa...	6.785	6.080	4340270	22899602	1.075	1.134
16)	A 4,4'-DDD	6.704	5.929	3091015	22155310	0.901	1.158 #
17)	MA 4,4'-DDT	7.020	6.183	3008439	17728574	0.794	0.874
18)	B Endrin al...	6.914	6.259	3272832	18103210	1.068	1.182
19)	B Endosulfa...	7.149	6.482	3879451	22493630	1.011	1.146
20)	A Methoxychlor	7.493	6.754	1872958	10413820	0.927	0.967
21)	B Endrin ke...	7.630	6.991	3888339	25442691	0.955	1.178
22)	Mirex	8.114	7.185	3197923	19121538	1.052	1.147

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

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Data File : PD089131.D
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Acq On : 25 Jun 2025 15:14
Operator : AR\AJ
Sample : Q2126-01
Misc : PEST LOD 1PPB SOIL
ALS Vial : 16 Sample Multiplier: 1

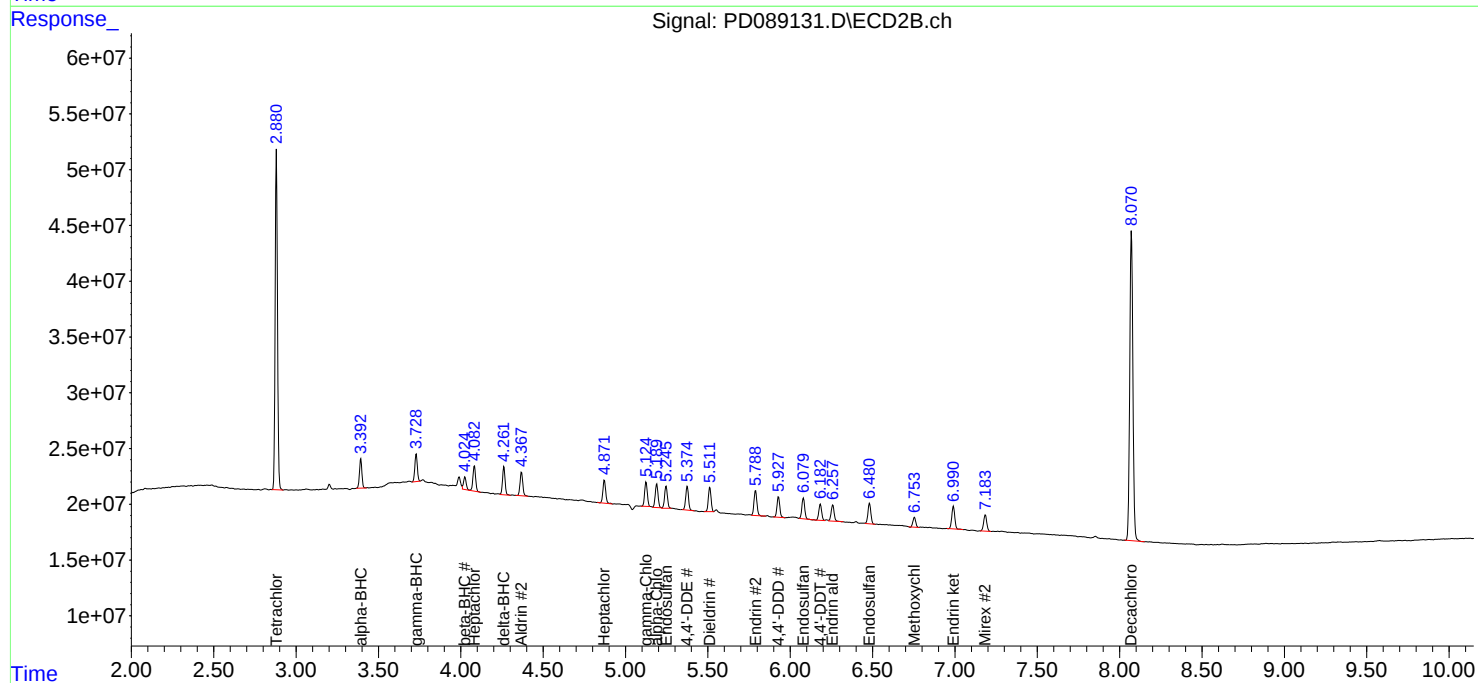
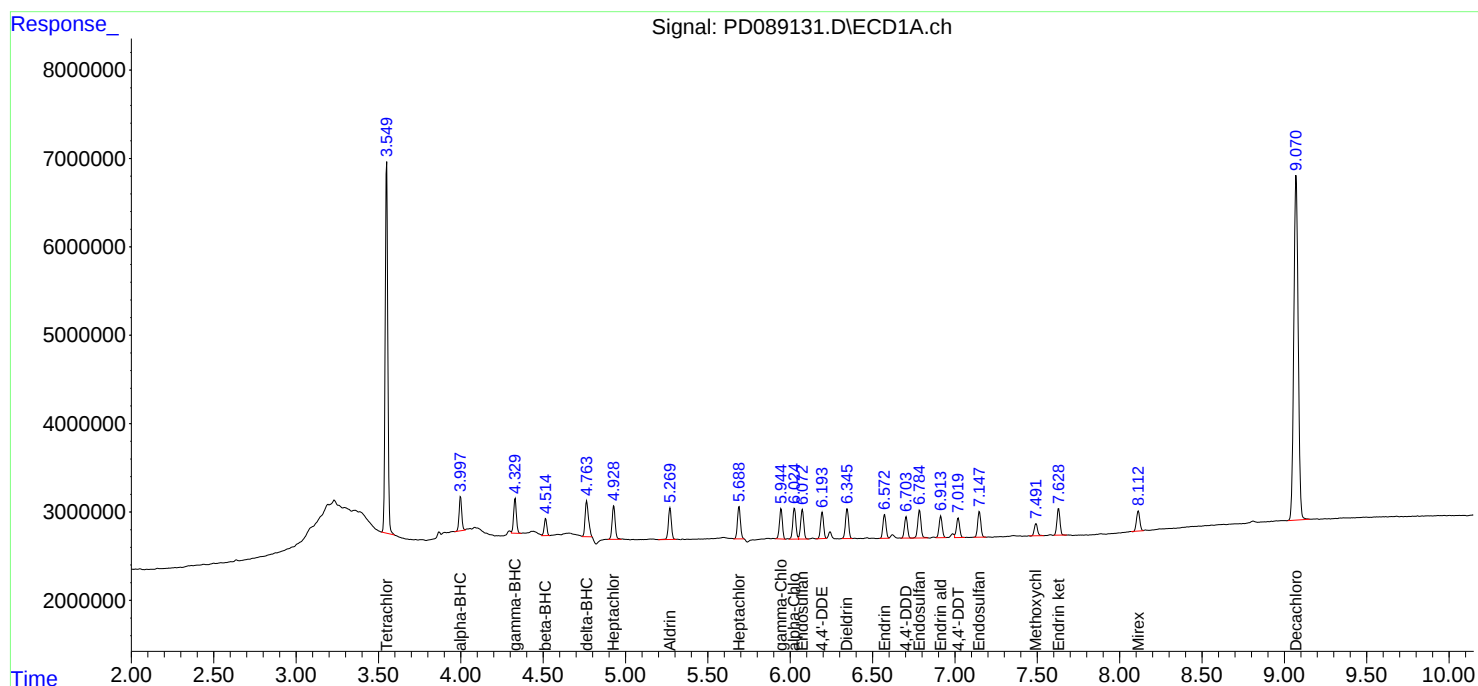
Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

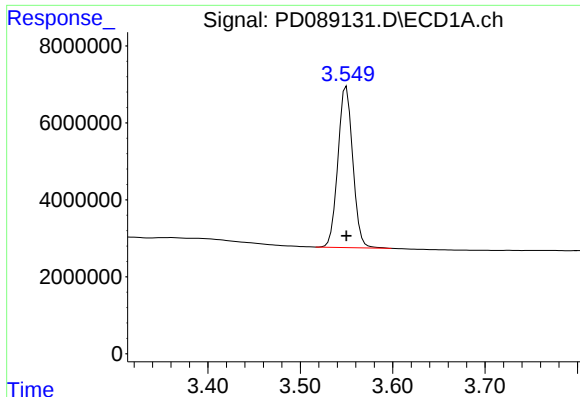
Manual Integrations
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Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:39:28 2025
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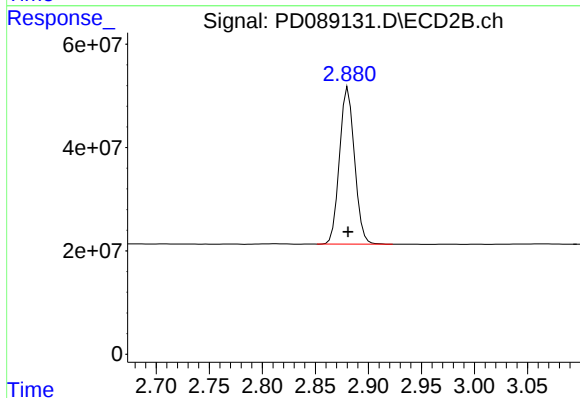
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 46812856
Conc: 16.41 ng/ml

Instrument :
ECD_D
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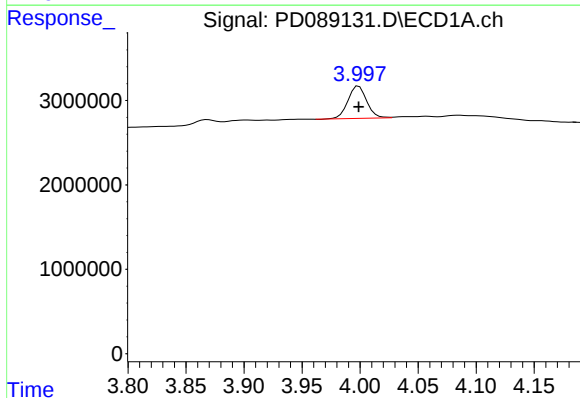
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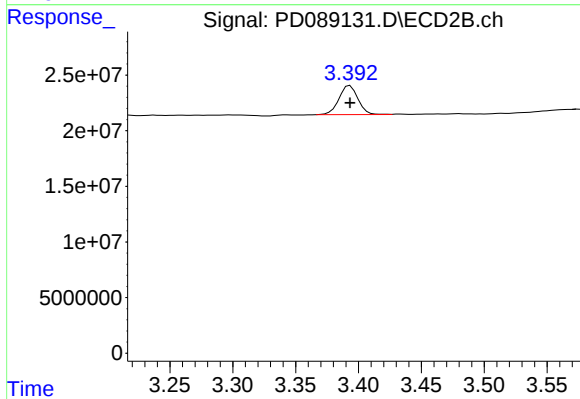
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 298468363
Conc: 17.61 ng/ml



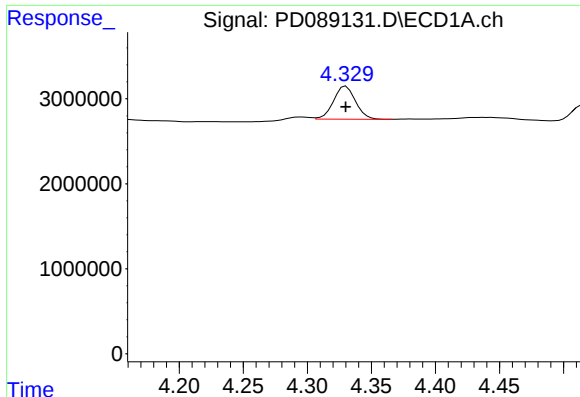
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 4290450
Conc: 0.74 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 27380101
Conc: 1.02 ng/ml



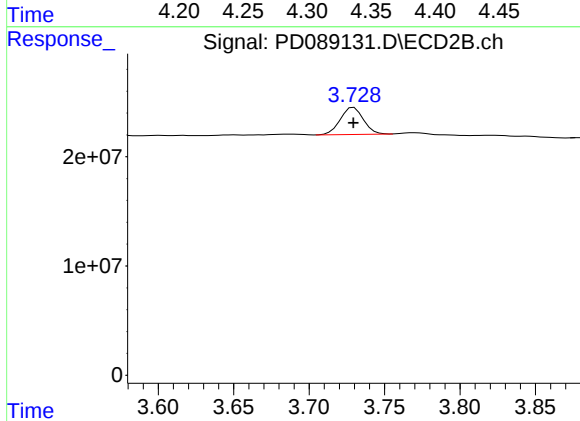
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: -0.001 min
Response: 4654706
Conc: 0.83 ng/ml

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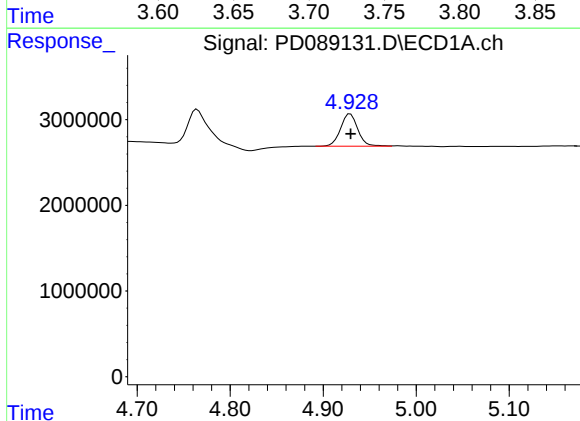
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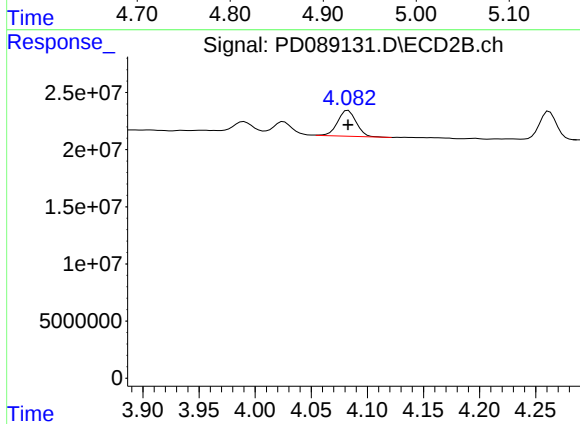
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.000 min
Response: 26333223
Conc: 1.06 ng/ml



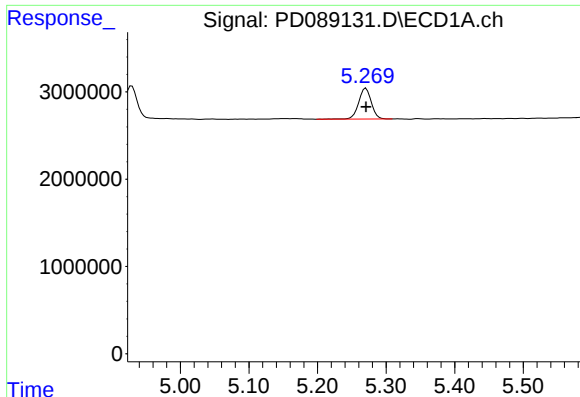
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 4880570
Conc: 0.90 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 26374876
Conc: 1.05 ng/ml



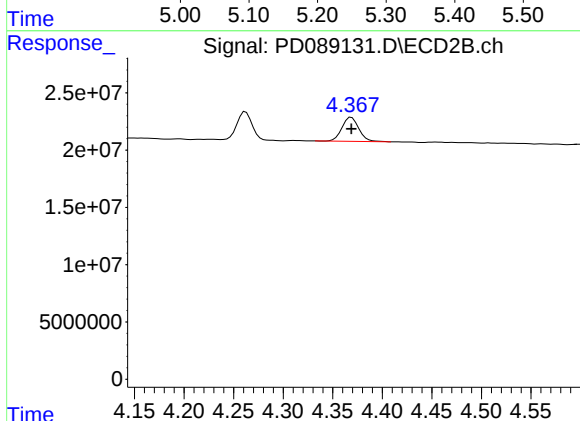
#5 Aldrin

R.T.: 5.271 min
Delta R.T.: 0.000 min
Response: 4530381
Conc: 0.85 ng/ml

Instrument :
ECD_D
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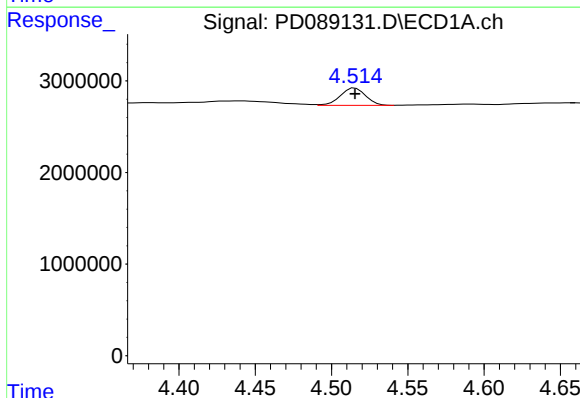
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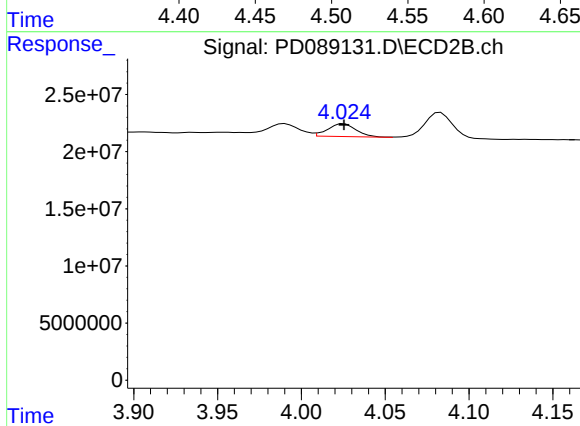
#5 Aldrin

R.T.: 4.369 min
Delta R.T.: 0.000 min
Response: 24780142
Conc: 1.02 ng/ml



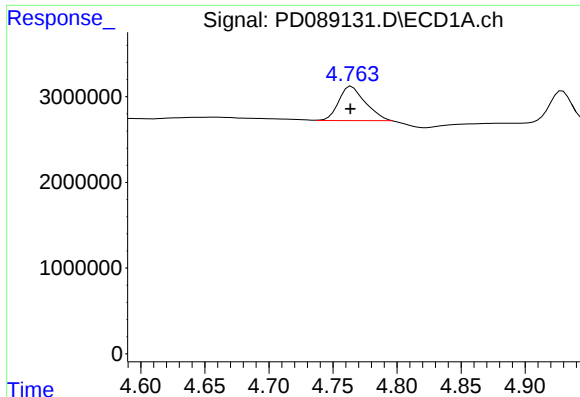
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 2204629
Conc: 1.00 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 13331773
Conc: 1.24 ng/ml



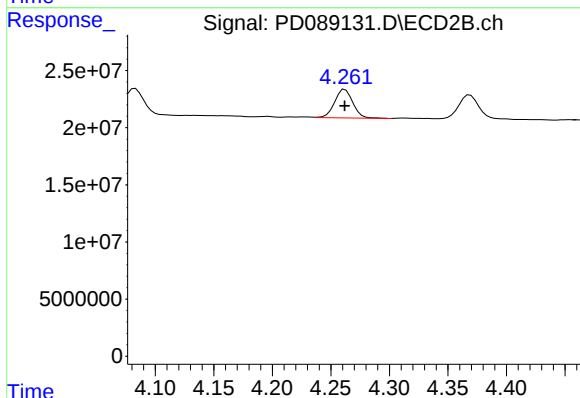
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 5789646
Conc: 1.13 ng/ml

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

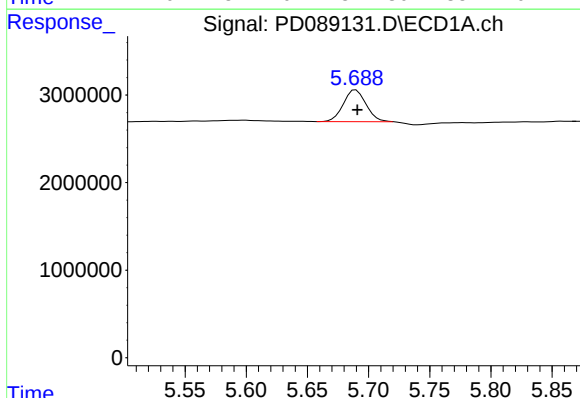
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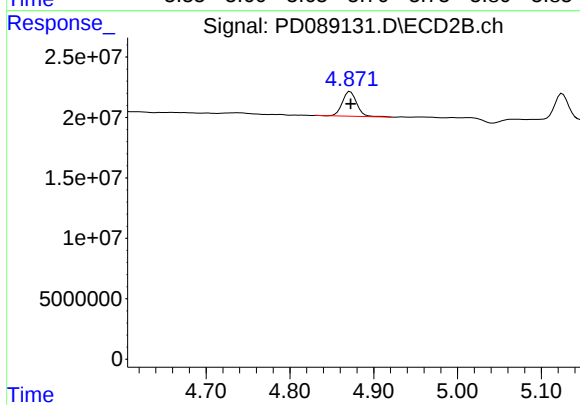
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 27202993
Conc: 1.09 ng/ml



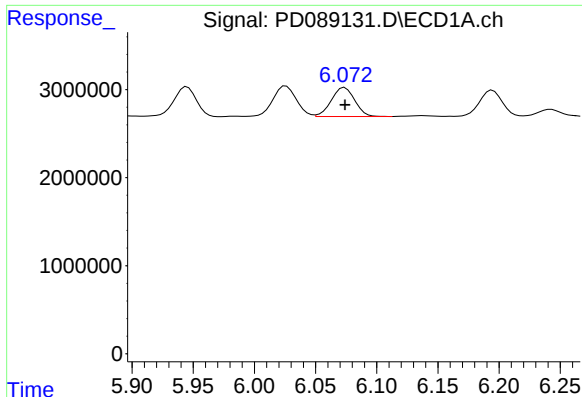
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: -0.003 min
Response: 4700296
Conc: 0.97 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.872 min
Delta R.T.: 0.000 min
Response: 24377163
Conc: 1.11 ng/ml



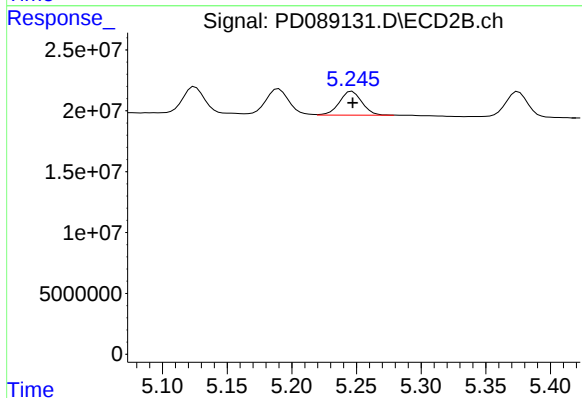
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 4390055
Conc: 0.97 ng/ml

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

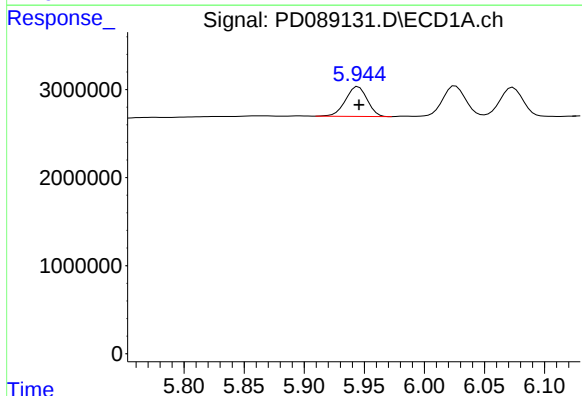
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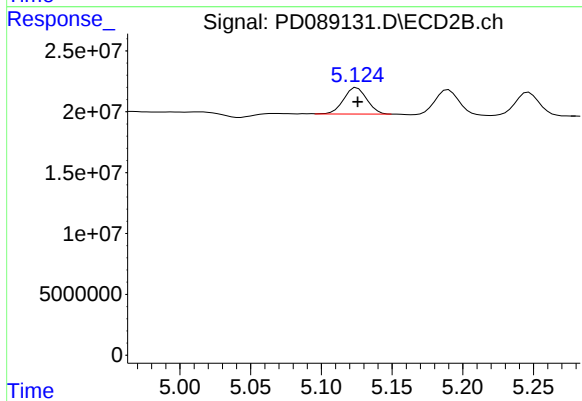
#9 Endosulfan I

R.T.: 5.245 min
Delta R.T.: -0.002 min
Response: 23656481
Conc: 1.14 ng/ml m



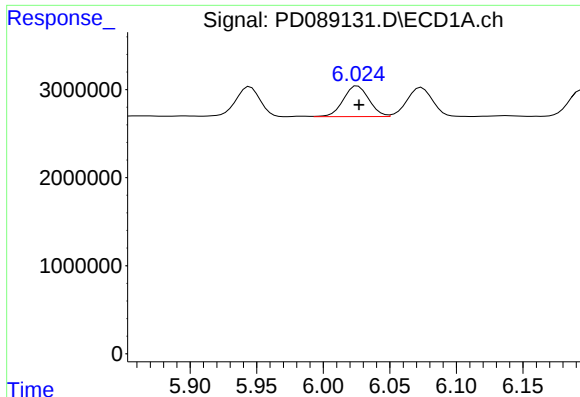
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 4265777
Conc: 0.89 ng/ml



#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 24878940
Conc: 1.04 ng/ml m



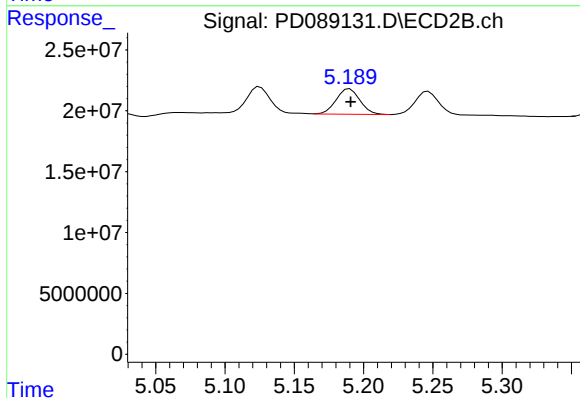
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: -0.001 min
Response: 4677248
Conc: 0.97 ng/ml

Instrument :
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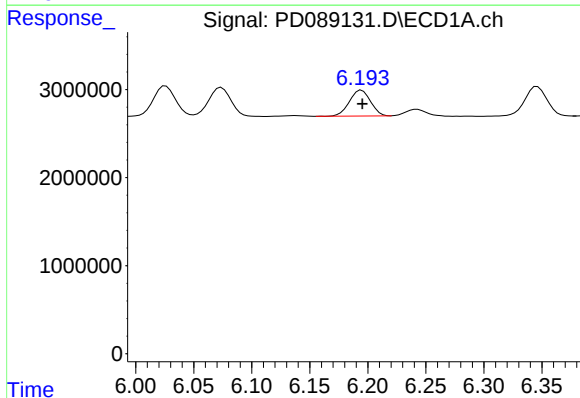
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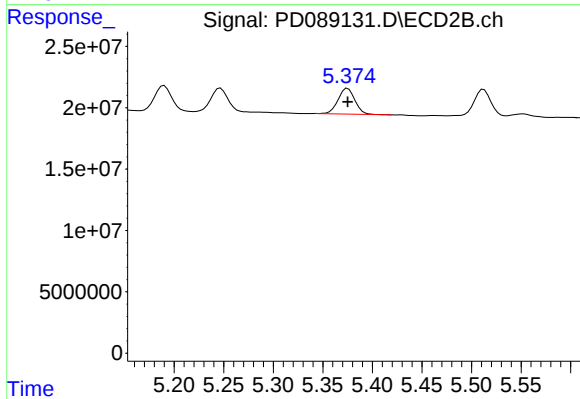
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: -0.002 min
Response: 25109780
Conc: 1.10 ng/ml m



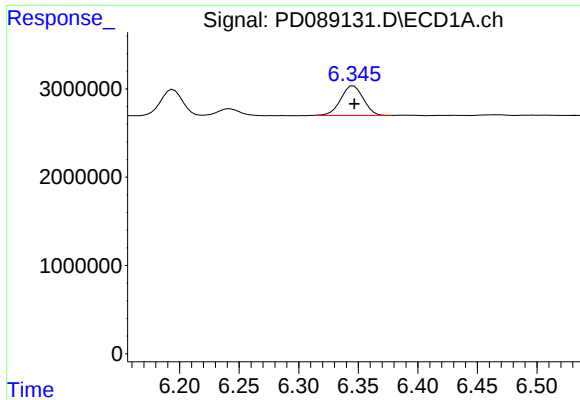
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 3709228
Conc: 0.85 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 24755113
Conc: 1.08 ng/ml



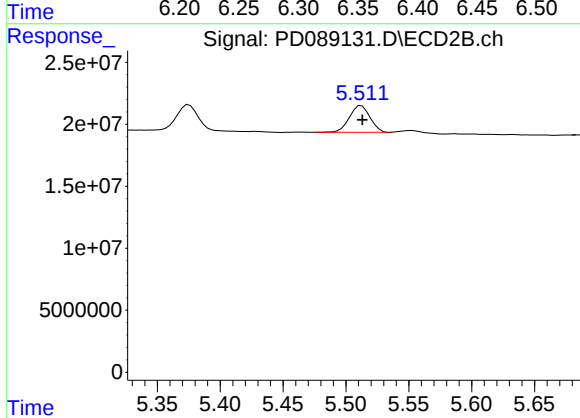
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 4422925
Conc: 0.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
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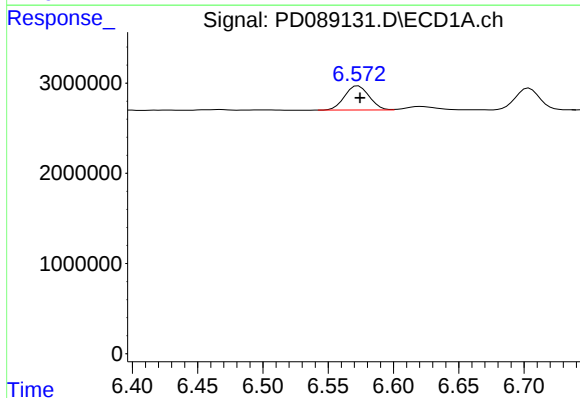
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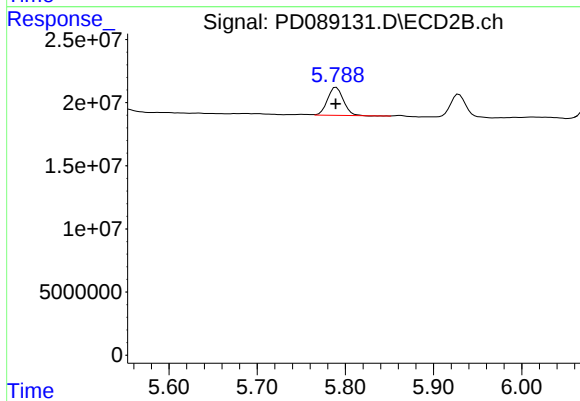
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: 0.000 min
Response: 24610823
Conc: 1.06 ng/ml



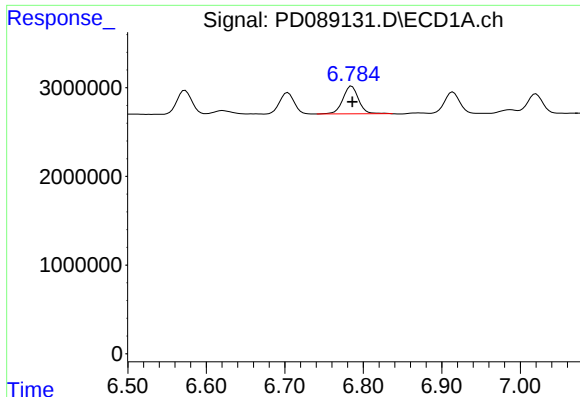
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.001 min
Response: 3522186
Conc: 0.85 ng/ml



#14 Endrin

R.T.: 5.790 min
Delta R.T.: 0.000 min
Response: 27511885
Conc: 1.27 ng/ml



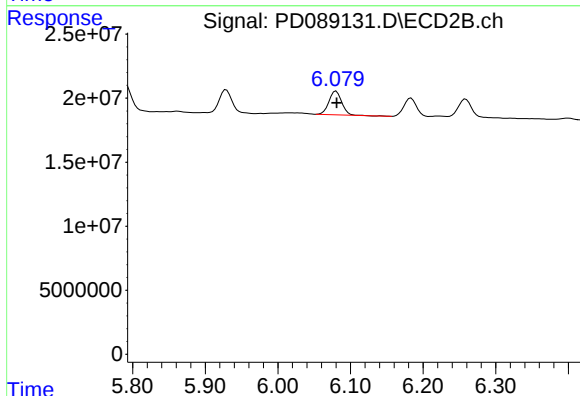
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: -0.001 min
Response: 4340270
Conc: 1.08 ng/ml

Instrument :
ECD_D
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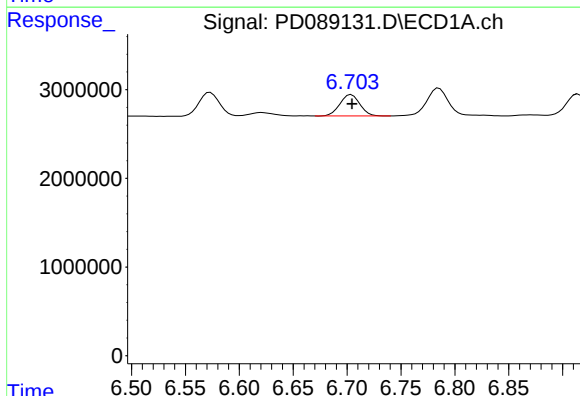
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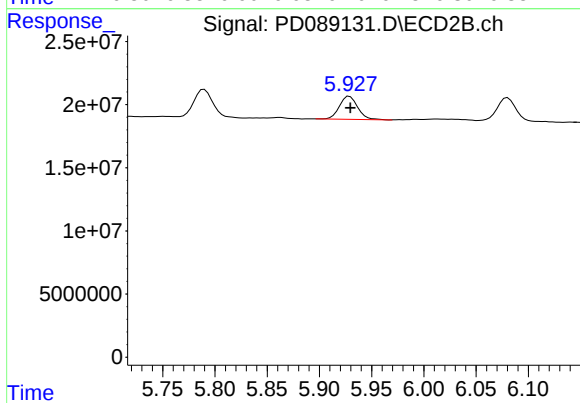
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: 0.000 min
Response: 22899602
Conc: 1.13 ng/ml



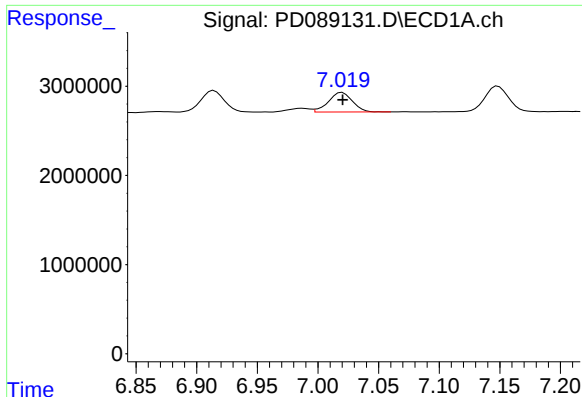
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 3091015
Conc: 0.90 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 22155310
Conc: 1.16 ng/ml



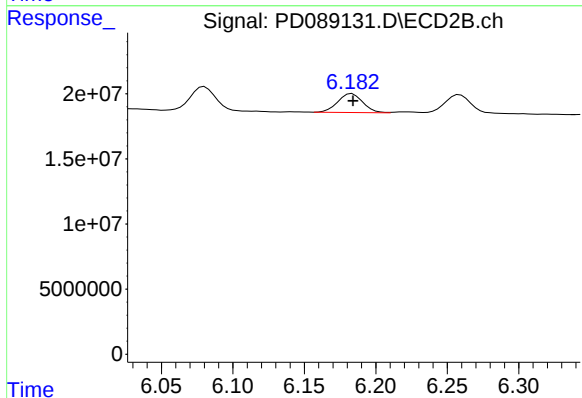
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 3008439
Conc: 0.79 ng/ml

Instrument :
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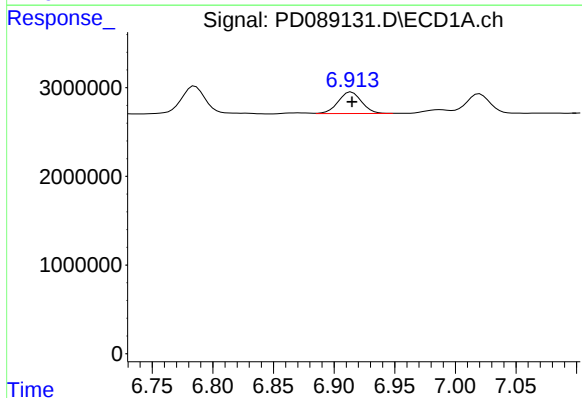
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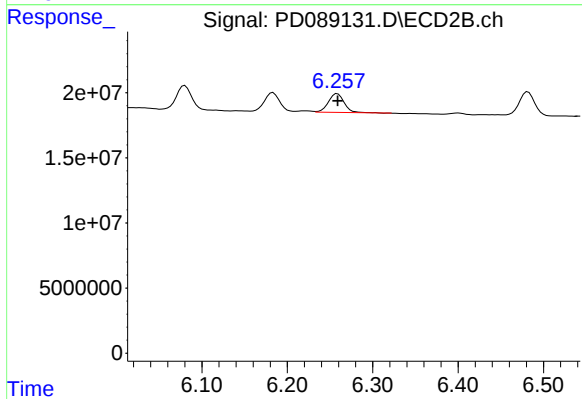
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: 0.000 min
Response: 17728574
Conc: 0.87 ng/ml



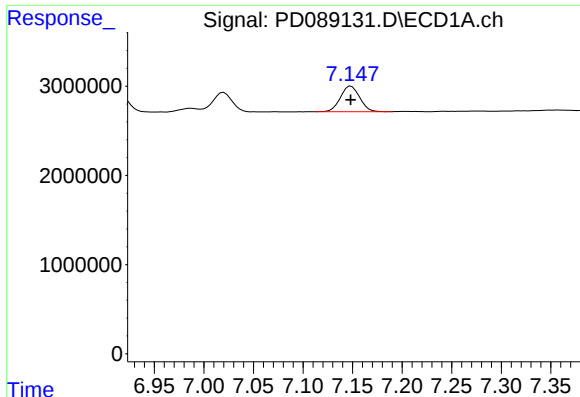
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 3272832
Conc: 1.07 ng/ml



#18 Endrin aldehyde

R.T.: 6.259 min
Delta R.T.: 0.000 min
Response: 18103210
Conc: 1.18 ng/ml



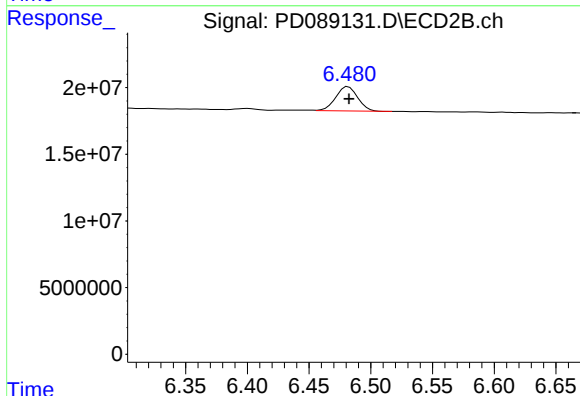
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 3879451
Conc: 1.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
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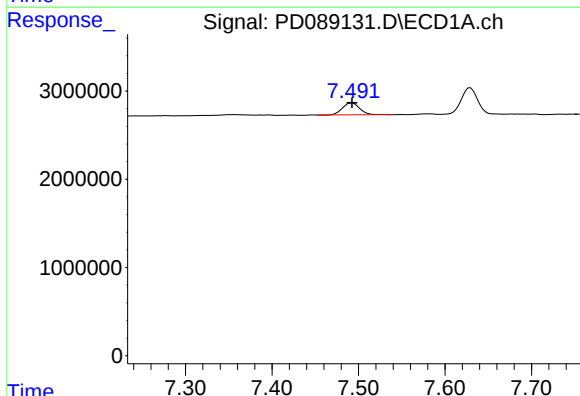
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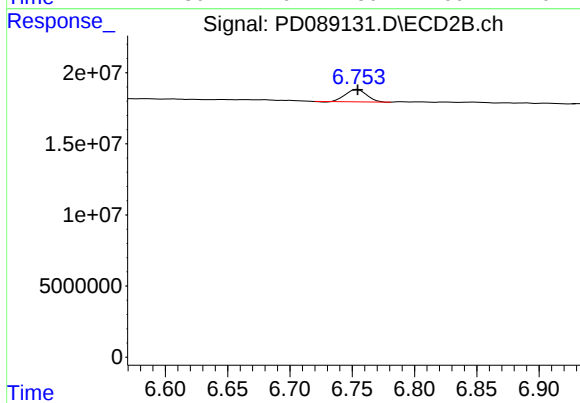
#19 Endosulfan Sulfate

R.T.: 6.482 min
Delta R.T.: 0.000 min
Response: 22493630
Conc: 1.15 ng/ml



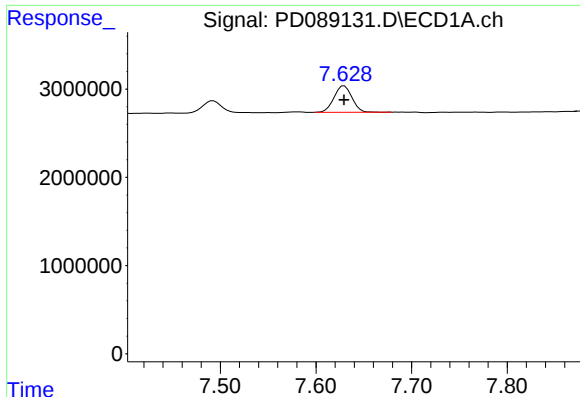
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 1872958
Conc: 0.93 ng/ml



#20 Methoxychlor

R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 10413820
Conc: 0.97 ng/ml



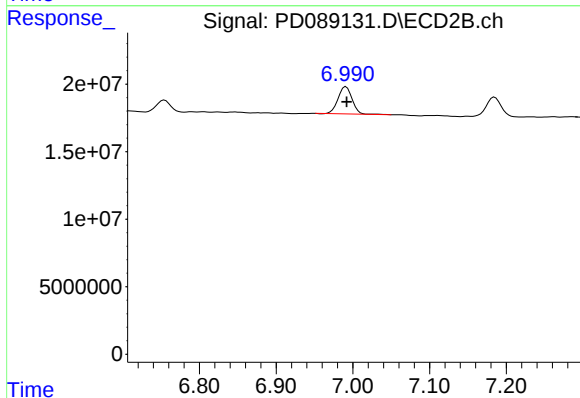
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 3888339
Conc: 0.95 ng/ml

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

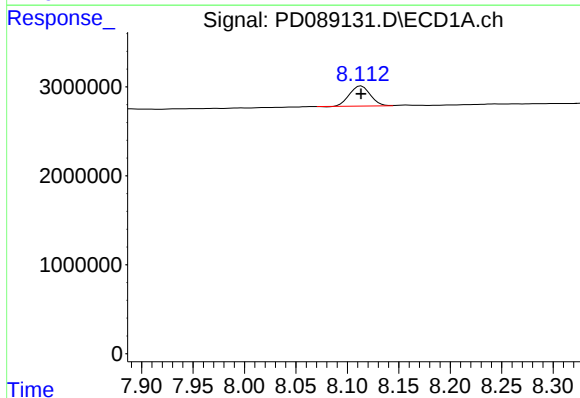
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



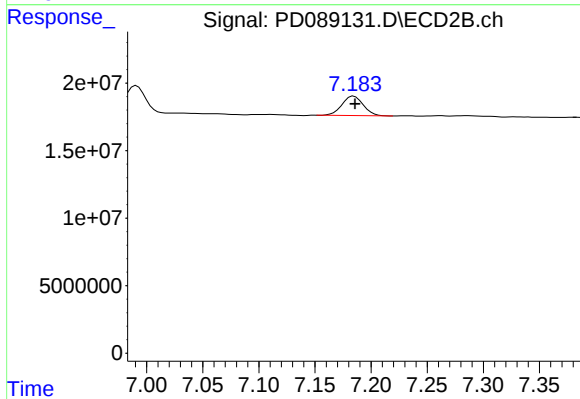
#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: -0.001 min
Response: 25442691
Conc: 1.18 ng/ml



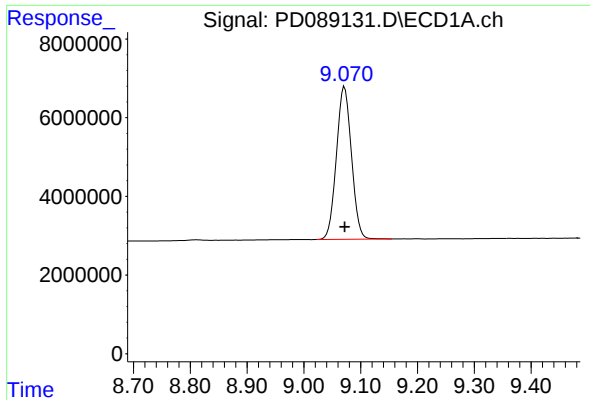
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.000 min
Response: 3197923
Conc: 1.05 ng/ml



#22 Mirex

R.T.: 7.185 min
Delta R.T.: -0.001 min
Response: 19121538
Conc: 1.15 ng/ml



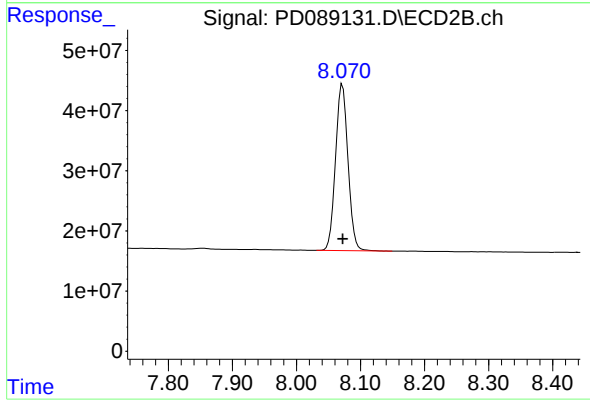
#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 71562410
Conc: 18.22 ng/ml

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

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 373208854
Conc: 18.88 ng/ml