

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070425\
 Data File : PD089330.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jul 2025 14:09
 Operator : AR\AJ
 Sample : PB168718BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB168718BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/07/2025
 Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 04 02:17:40 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...	3.551	2.881	50538235	350.2E6	17.713	20.659
28)	SA Decachlor...	9.076	8.071	73089221	373.6E6	18.609	18.897
Target Compounds							
2)	A alpha-BHC	4.000	3.393	323.5E6	1501.9E6	55.505	56.047
3)	MA gamma-BHC...	4.332	3.728	307.7E6	1377.9E6	55.121	55.657m
4)	MA Heptachlor	4.930	4.082	292.5E6	1312.4E6	53.651	52.416
5)	MB Aldrin	5.272	4.368	299.0E6	1344.8E6	56.285	55.532
6)	B beta-BHC	4.517	4.025	116.5E6	583.0E6	52.766	54.252
7)	B delta-BHC	4.766	4.262	300.8E6	1372.5E6	58.596	55.179
8)	B Heptachlo...	5.692	4.872	266.4E6	1215.1E6	55.226	55.487
9)	A Endosulfan I	6.076	5.247	251.8E6	1154.7E6	55.870	55.401
10)	B gamma-Chl...	5.948	5.125	273.4E6	1306.9E6	57.109	54.631
11)	B alpha-Chl...	6.029	5.190	268.9E6	1248.2E6	55.574	54.513
12)	B 4,4'-DDE	6.198	5.375	245.1E6	1256.6E6	56.211	54.834
13)	MA Dieldrin	6.349	5.512	271.3E6	1281.1E6	56.558	55.200
14)	MA Endrin	6.576	5.789	201.8E6	1032.9E6	48.903	47.570
15)	B Endosulfa...	6.788	6.080	228.7E6	1108.7E6	56.661	54.895
16)	A 4,4'-DDD	6.707	5.929	202.6E6	1072.7E6	59.018	56.077
17)	MA 4,4'-DDT	7.023	6.183	181.6E6	960.2E6	47.949	47.350
18)	B Endrin al...	6.917	6.258	171.8E6	843.6E6	56.069	55.099
19)	B Endosulfa...	7.151	6.482	211.0E6	1072.1E6	54.990	54.639
20)	A Methoxychlor	7.495	6.753	84312283	473.7E6	41.726	43.995
21)	B Endrin ke...	7.632	6.991	226.2E6	1192.7E6	55.534	55.212
22)	Mirex	8.116	7.185	136.5E6	752.8E6	44.916	45.134

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

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Data File : PD089330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jul 2025 14:09
Operator : AR\AJ
Sample : PB168718BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB168718BS

Manual Integrations

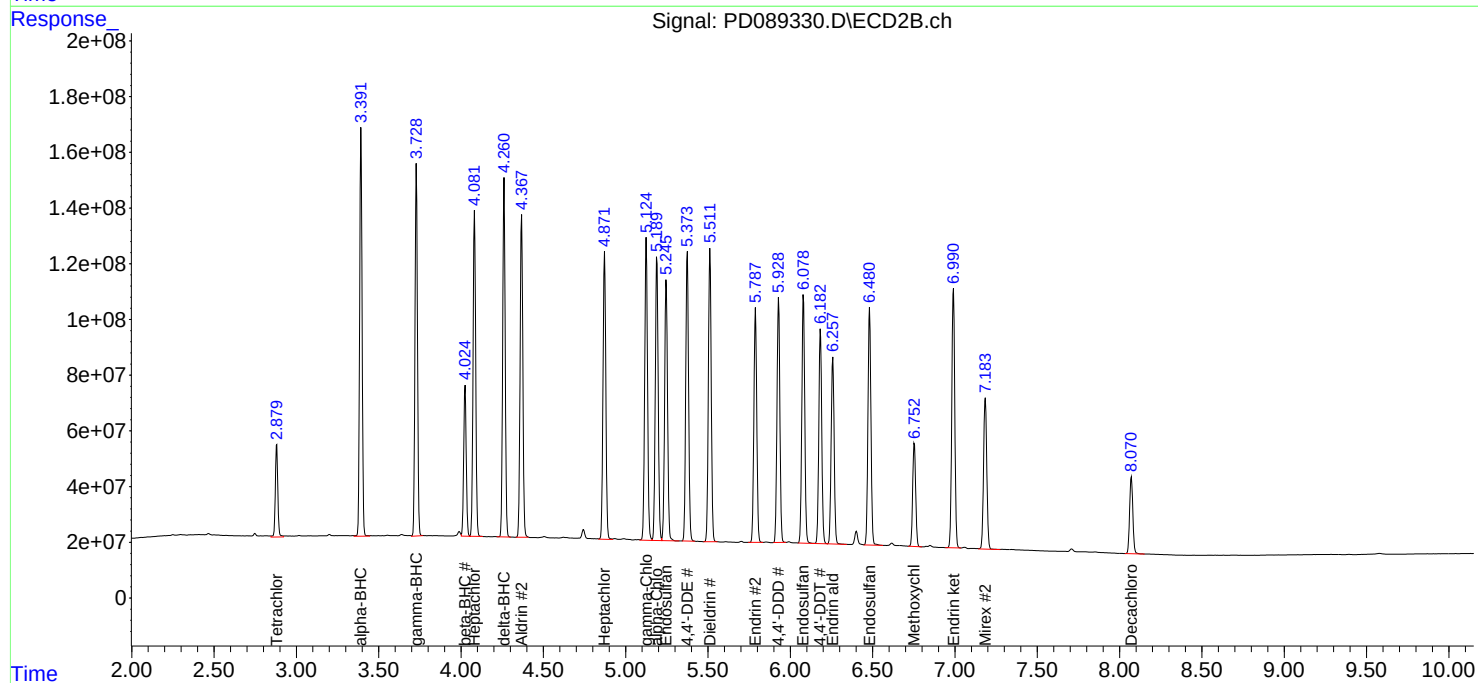
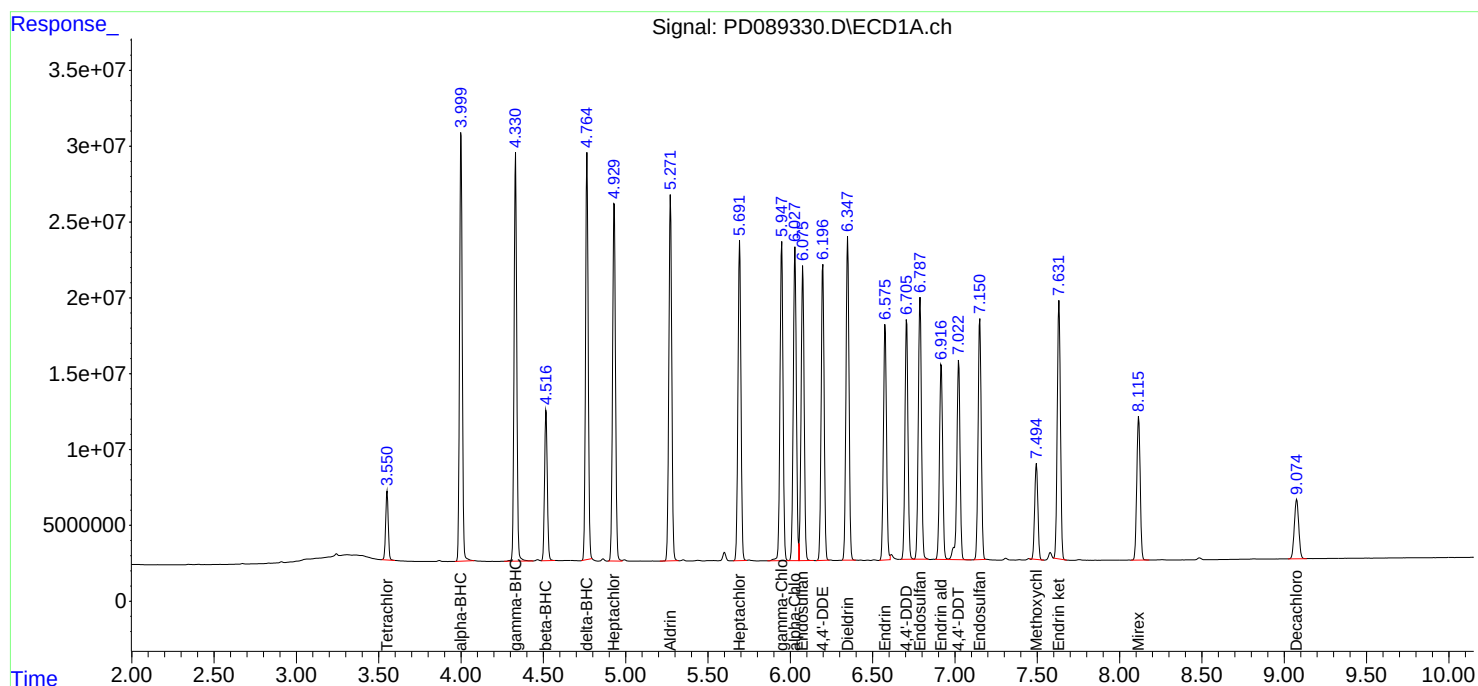
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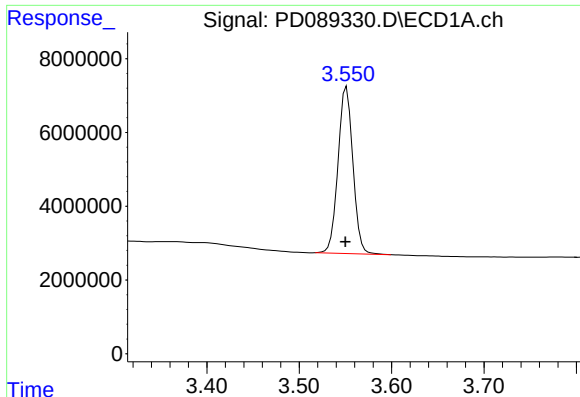
Reviewed By :Abdul Mirza 07/07/2025

Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 04 02:17:40 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





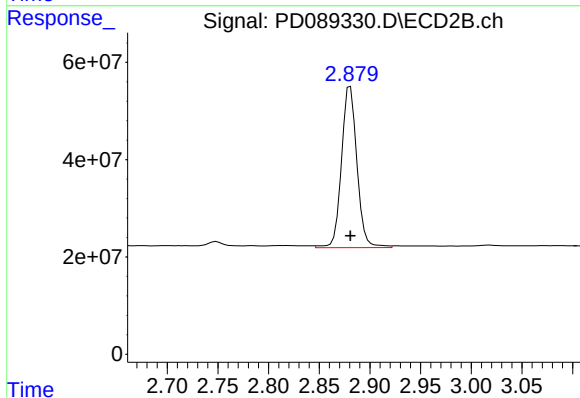
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.001 min
Response: 50538235
Conc: 17.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168718BS

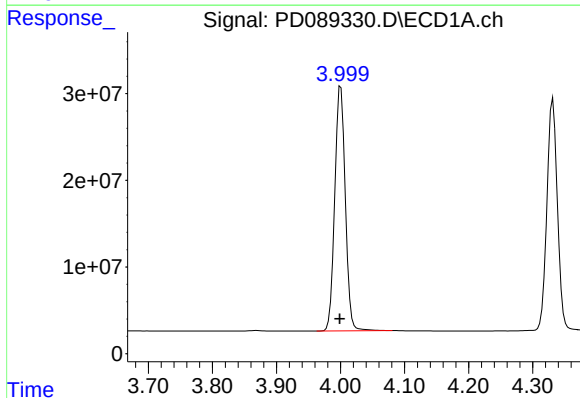
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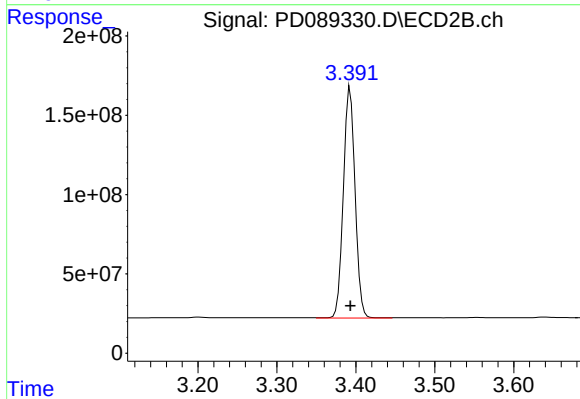
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 350237676
Conc: 20.66 ng/ml



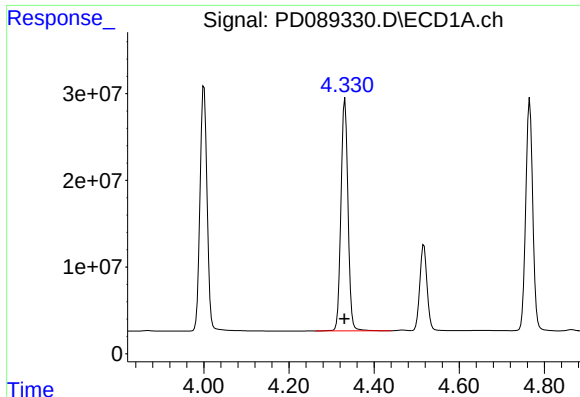
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.001 min
Response: 323543677
Conc: 55.51 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 1501892324
Conc: 56.05 ng/ml



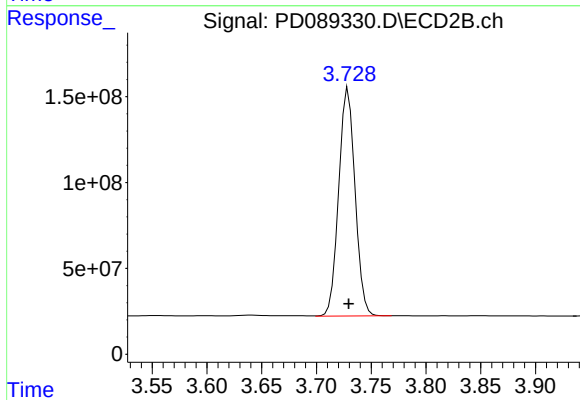
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.002 min
Response: 307666846
Conc: 55.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168718BS

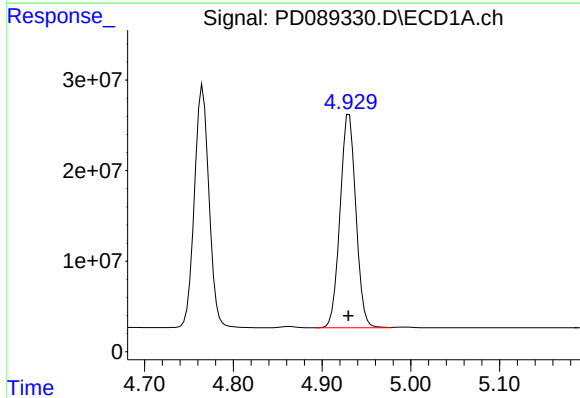
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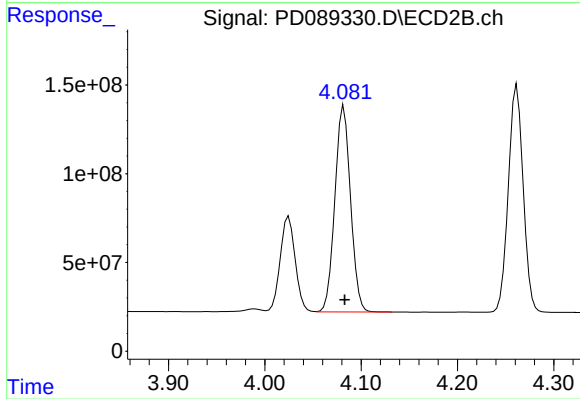
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.002 min
Response: 1377895940
Conc: 55.66 ng/ml m



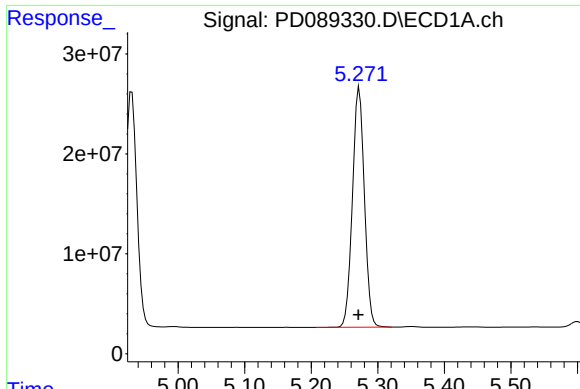
#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: 0.001 min
Response: 292505061
Conc: 53.65 ng/ml



#4 Heptachlor

R.T.: 4.082 min
Delta R.T.: 0.000 min
Response: 1312414596
Conc: 52.42 ng/ml



#5 Aldrin

R.T.: 5.272 min
Delta R.T.: 0.001 min
Response: 299040497
Conc: 56.28 ng/ml

Instrument :

ECD_D

ClientSampleId :

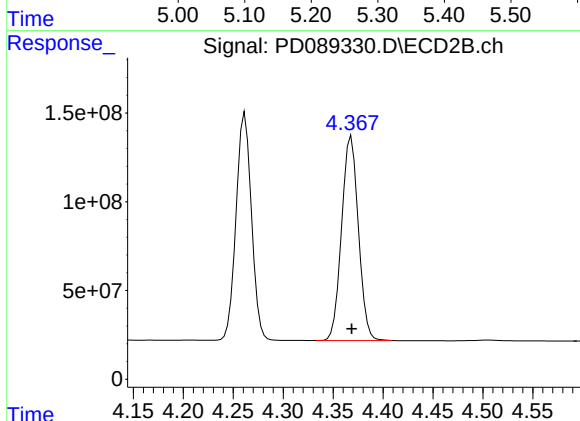
PB168718BS

Manual Integrations

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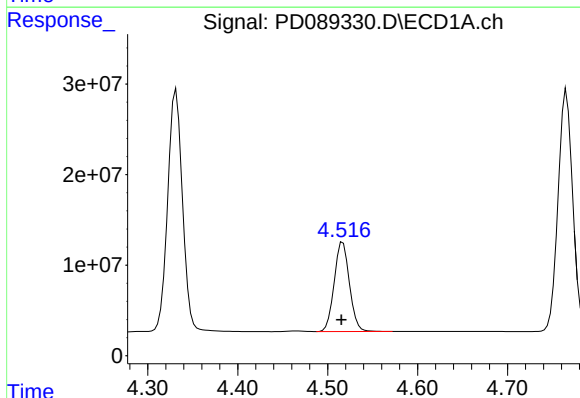
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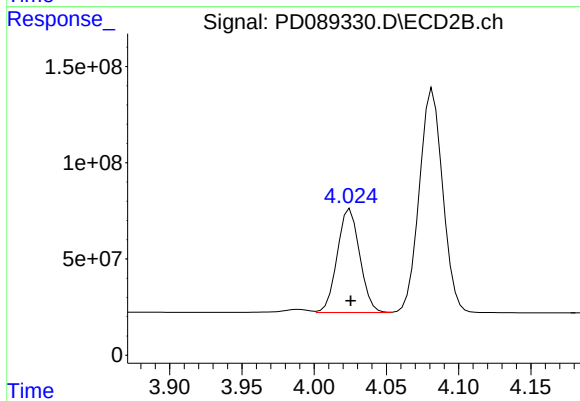
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 1344832866
Conc: 55.53 ng/ml



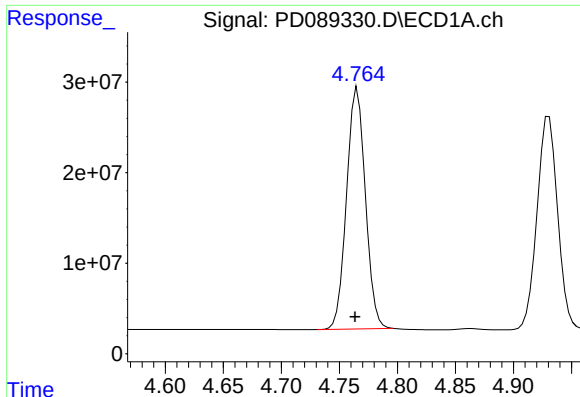
#6 beta-BHC

R.T.: 4.517 min
Delta R.T.: 0.002 min
Response: 116461702
Conc: 52.77 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 583010520
Conc: 54.25 ng/ml



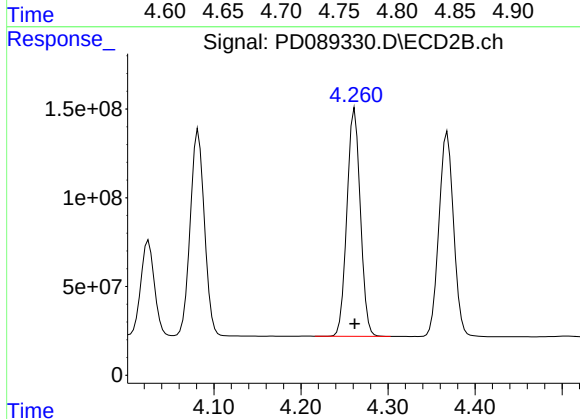
#7 delta-BHC

R.T.: 4.766 min
Delta R.T.: 0.002 min
Response: 300765464
Conc: 58.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168718BS

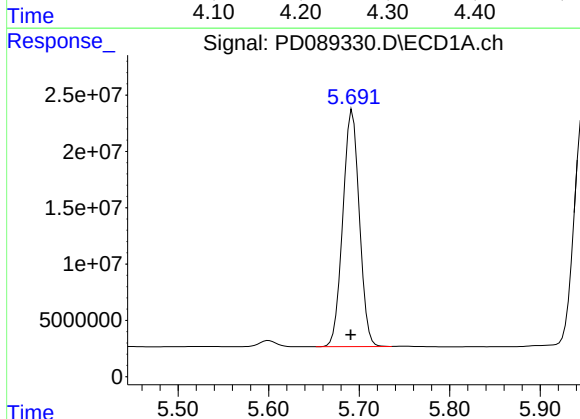
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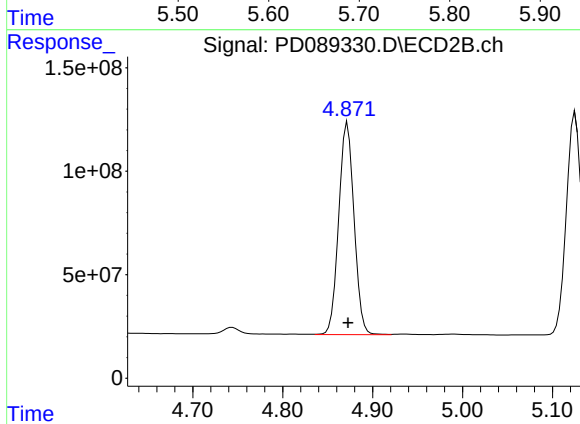
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 1372509423
Conc: 55.18 ng/ml



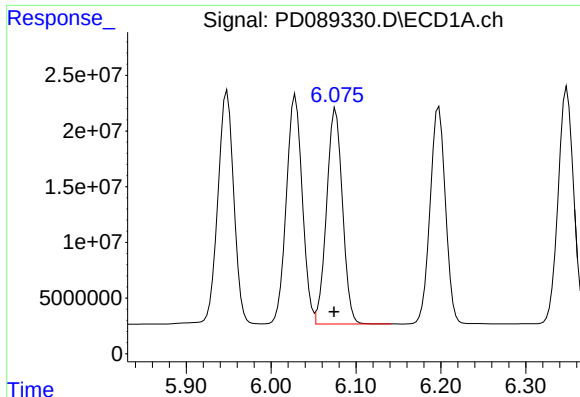
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.002 min
Response: 266408473
Conc: 55.23 ng/ml



#8 Heptachlor epoxide

R.T.: 4.872 min
Delta R.T.: 0.000 min
Response: 1215055617
Conc: 55.49 ng/ml



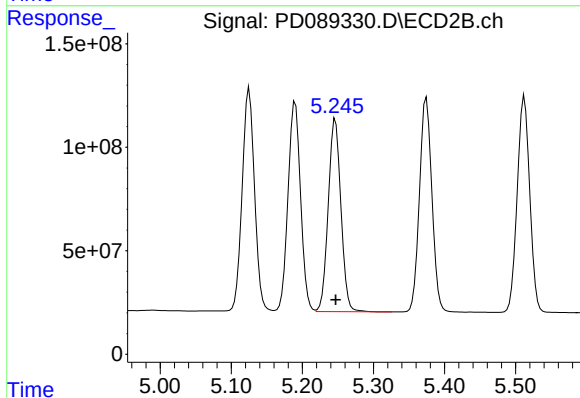
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: 0.002 min
Response: 251832326
Conc: 55.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168718BS

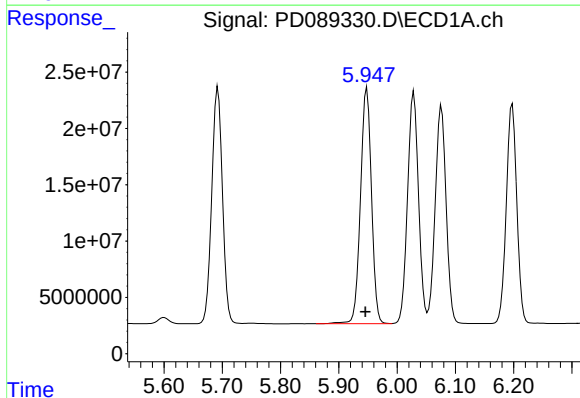
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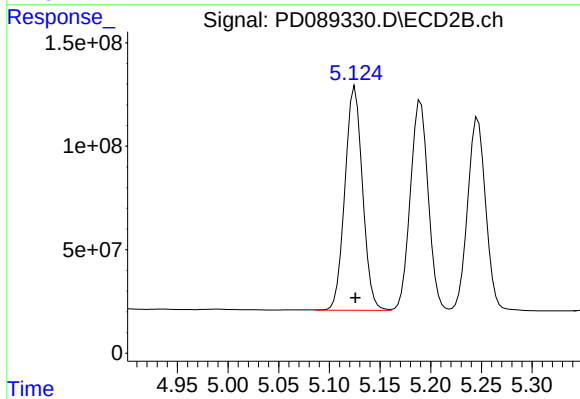
#9 Endosulfan I

R.T.: 5.247 min
Delta R.T.: 0.000 min
Response: 1154696788
Conc: 55.40 ng/ml



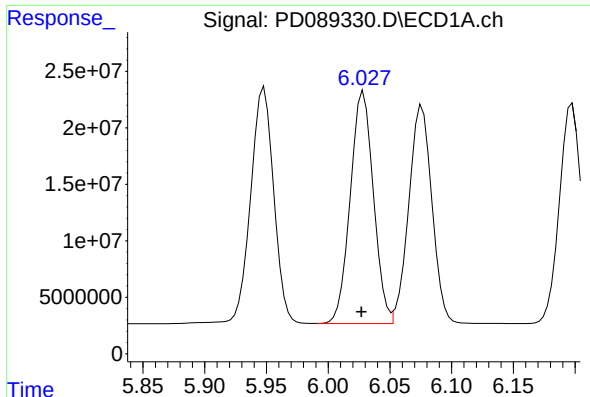
#10 gamma-Chlordane

R.T.: 5.948 min
Delta R.T.: 0.003 min
Response: 273443042
Conc: 57.11 ng/ml



#10 gamma-Chlordane

R.T.: 5.125 min
Delta R.T.: 0.000 min
Response: 1306931898
Conc: 54.63 ng/ml



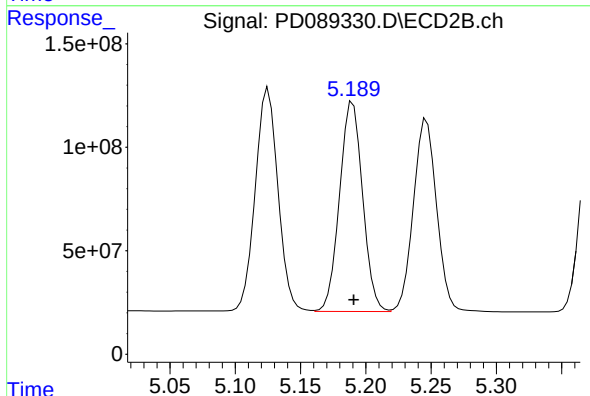
#11 alpha-Chlordane

R.T.: 6.029 min
Delta R.T.: 0.002 min
Response: 268894561
Conc: 55.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168718BS

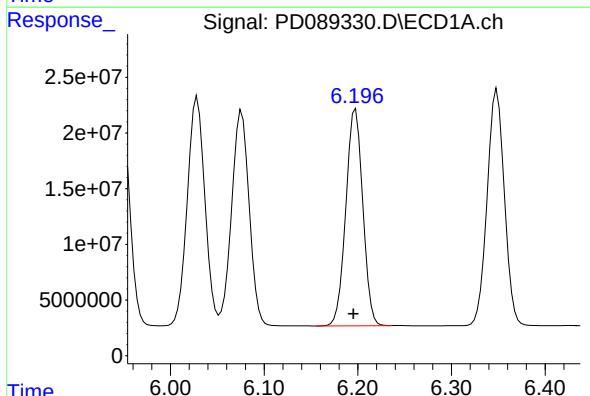
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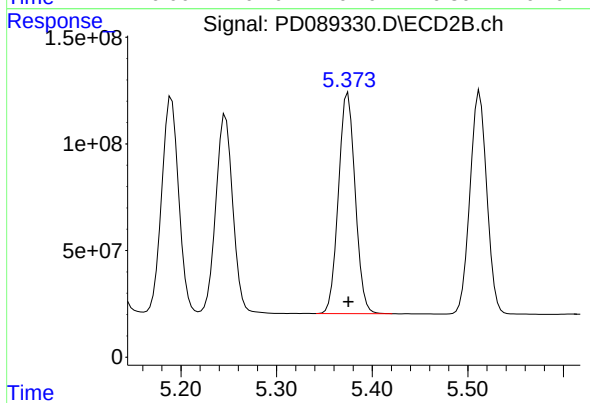
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: 0.000 min
Response: 1248171856
Conc: 54.51 ng/ml



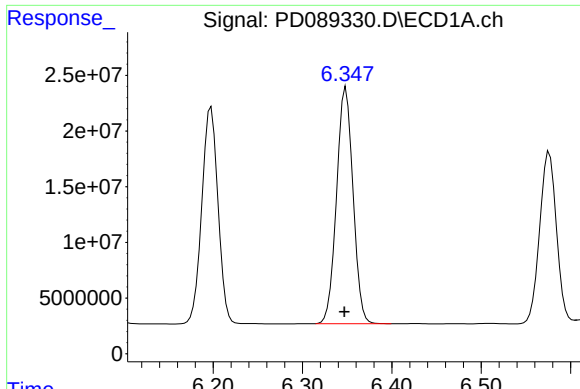
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.002 min
Response: 245139705
Conc: 56.21 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 1256574166
Conc: 54.83 ng/ml



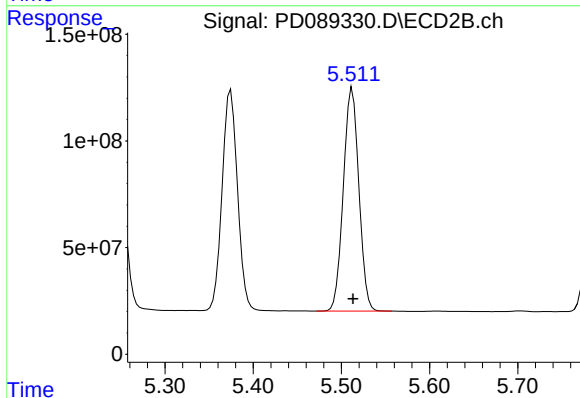
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.002 min
Response: 271336911
Conc: 56.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168718BS

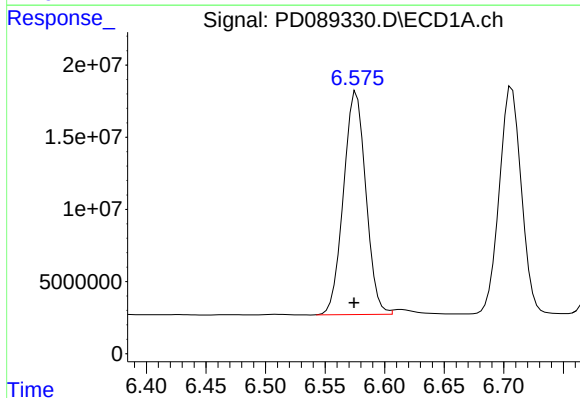
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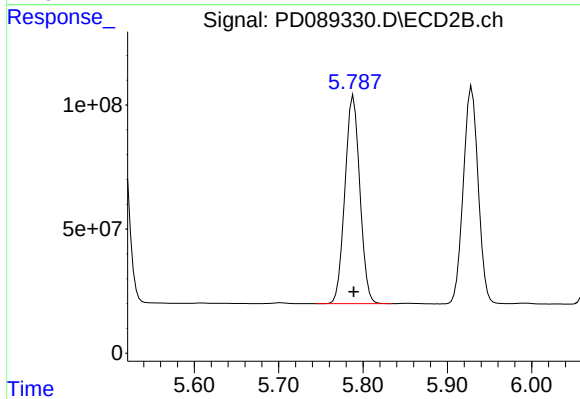
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: 0.000 min
Response: 1281113237
Conc: 55.20 ng/ml



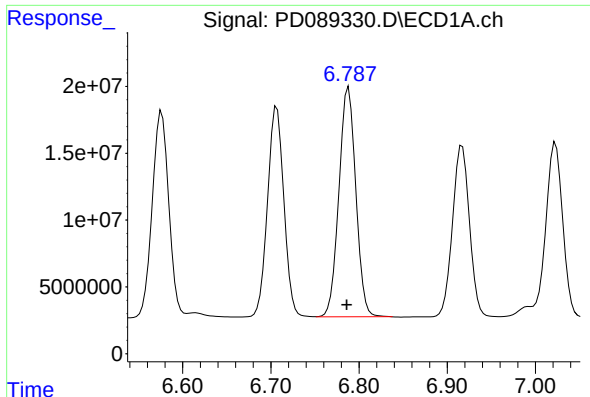
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.002 min
Response: 201754255
Conc: 48.90 ng/ml



#14 Endrin

R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 1032934137
Conc: 47.57 ng/ml



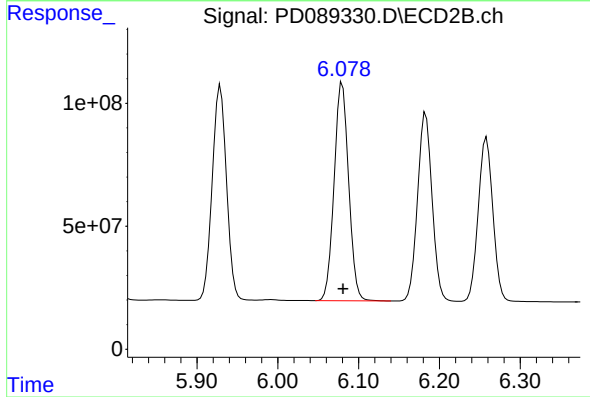
#15 Endosulfan II

R.T.: 6.788 min
Delta R.T.: 0.002 min
Response: 228718730
Conc: 56.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168718BS

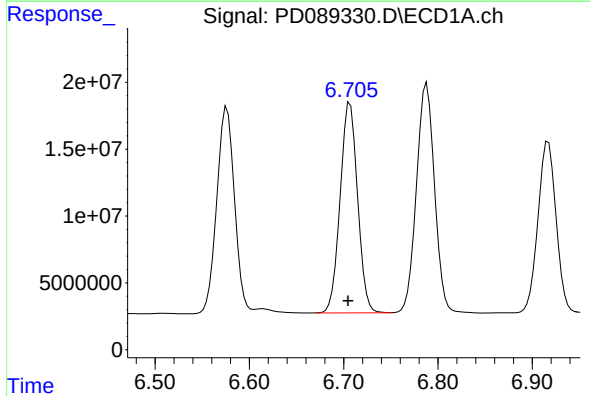
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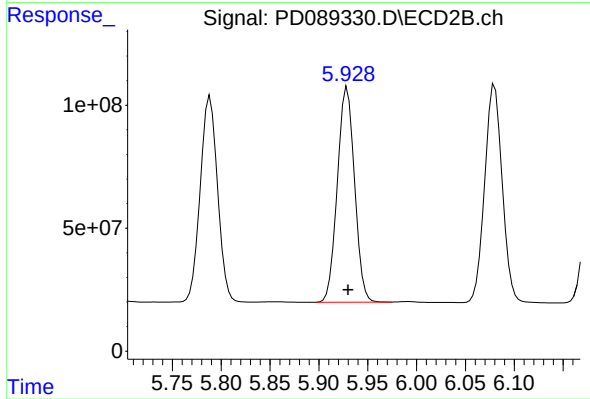
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: -0.001 min
Response: 1108703990
Conc: 54.90 ng/ml



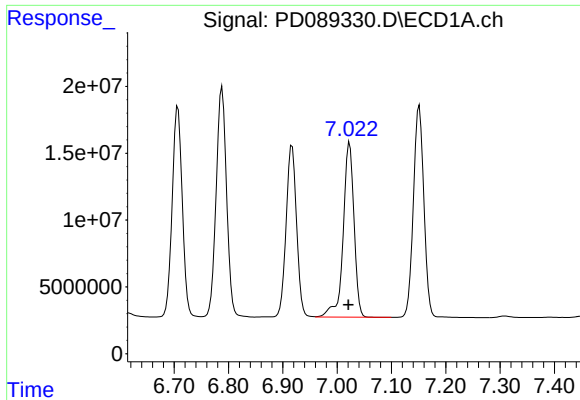
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.002 min
Response: 202552376
Conc: 59.02 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 1072717095
Conc: 56.08 ng/ml



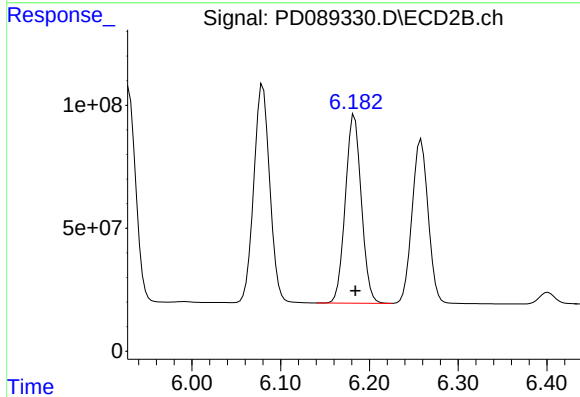
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.002 min
Response: 181640791
Conc: 47.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168718BS

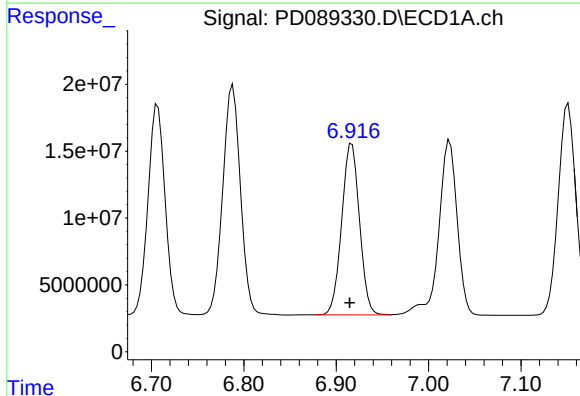
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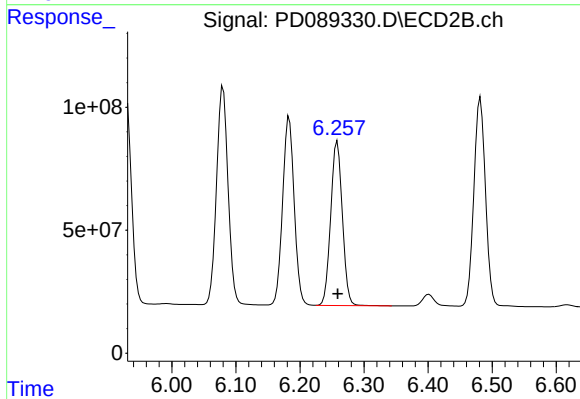
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: 0.000 min
Response: 960220692
Conc: 47.35 ng/ml



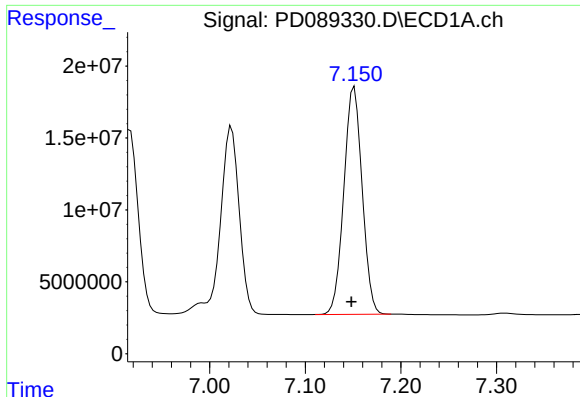
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.002 min
Response: 171792484
Conc: 56.07 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: 0.000 min
Response: 843641638
Conc: 55.10 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.151 min
Delta R.T.: 0.003 min
Response: 211007374
Conc: 54.99 ng/ml

Instrument :

ECD_D

ClientSampleId :

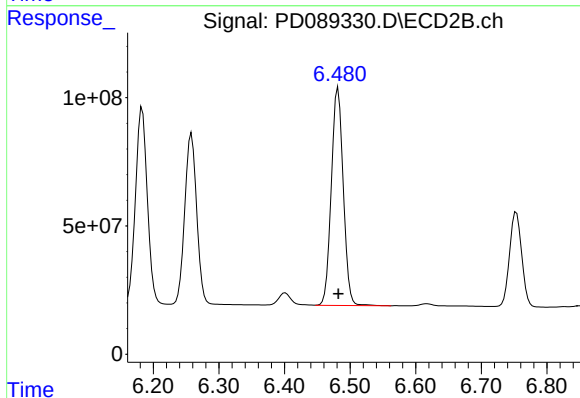
PB168718BS

Manual Integrations

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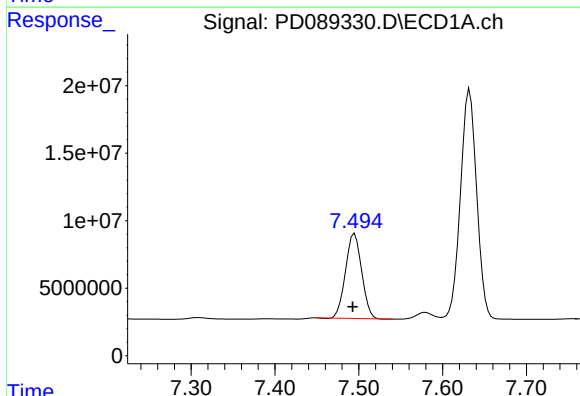
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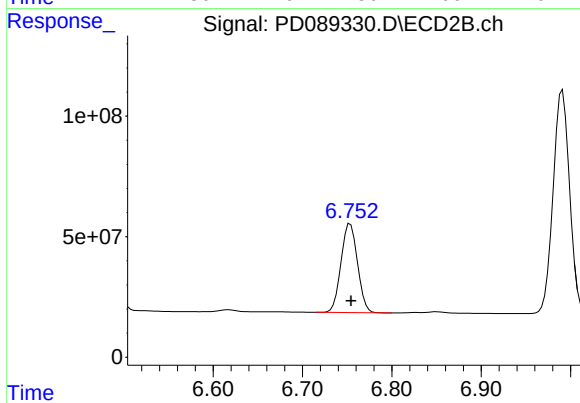
#19 Endosulfan Sulfate

R.T.: 6.482 min
Delta R.T.: 0.000 min
Response: 1072074606
Conc: 54.64 ng/ml



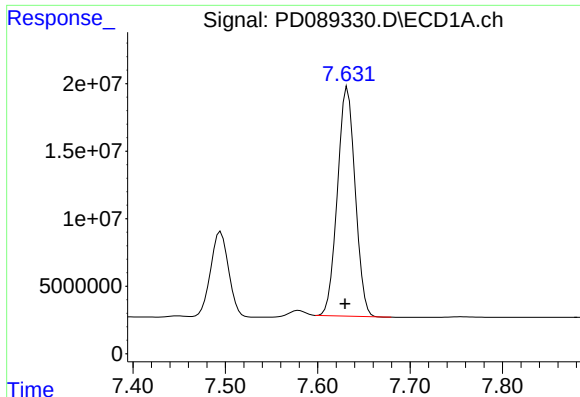
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: 0.002 min
Response: 84312283
Conc: 41.73 ng/ml



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.001 min
Response: 473746695
Conc: 44.00 ng/ml



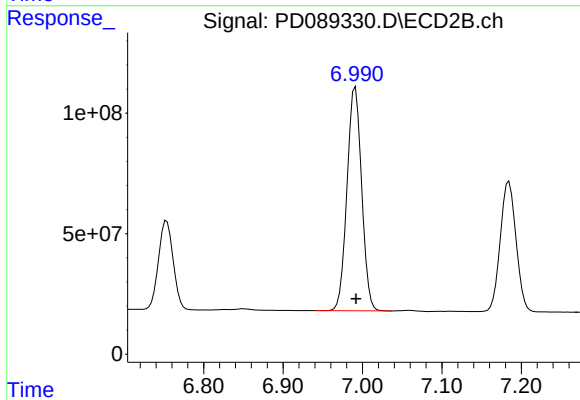
#21 Endrin ketone

R.T.: 7.632 min
Delta R.T.: 0.003 min
Response: 226193599
Conc: 55.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168718BS

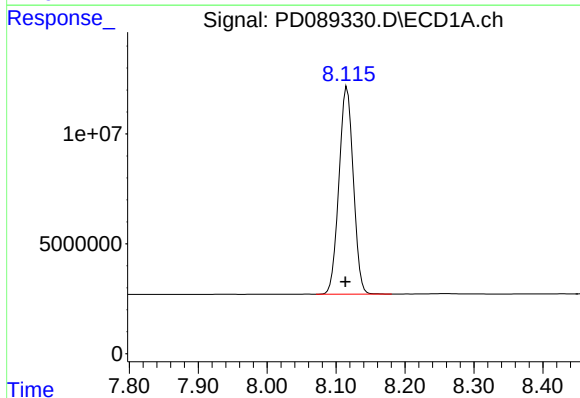
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/07/2025
Supervised By :mohammad ahmed 07/09/2025



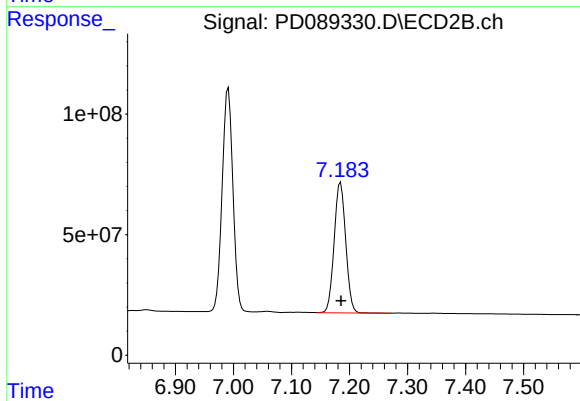
#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: -0.001 min
Response: 1192671081
Conc: 55.21 ng/ml



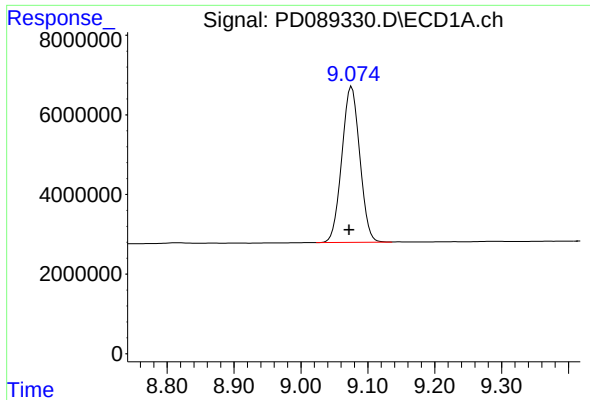
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.003 min
Response: 136549907
Conc: 44.92 ng/ml



#22 Mirex

R.T.: 7.185 min
Delta R.T.: -0.001 min
Response: 752756567
Conc: 45.13 ng/ml



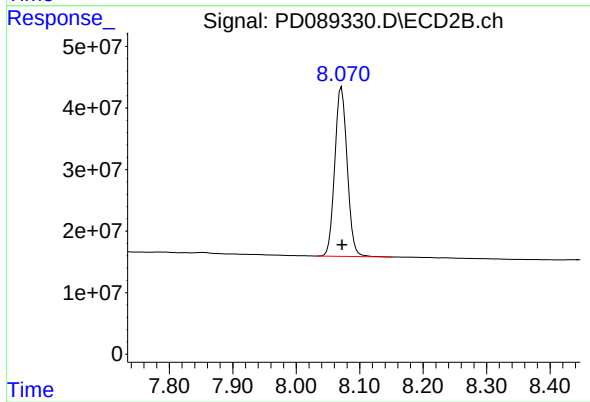
#28 Decachlorobiphenyl

R.T.: 9.076 min
Delta R.T.: 0.004 min
Response: 73089221
Conc: 18.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168718BS

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#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 373596074
Conc: 18.90 ng/ml