

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
 Data File : PD089279.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2025 17:18
 Operator : AR\AJ
 Sample : PB168676BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB168676BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/02/2025
 Supervised By : mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 02 01:48:35 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	52730812	355.0E6	18.482	20.943
28)	SA Decachlor...	9.074	8.072	80793534	402.8E6	20.571	20.373
Target Compounds							
2)	A alpha-BHC	4.000	3.393	331.9E6	1512.2E6	56.937	56.431
3)	MA gamma-BHC...	4.331	3.729	316.7E6	1390.4E6	56.739	56.162m
4)	MA Heptachlor	4.930	4.083	303.2E6	1354.4E6	55.604	54.095
5)	MB Aldrin	5.272	4.369	302.5E6	1365.9E6	56.937	56.402
6)	B beta-BHC	4.516	4.026	118.7E6	594.1E6	53.783	55.283
7)	B delta-BHC	4.765	4.262	305.8E6	1391.6E6	59.574	55.947
8)	B Heptachlo...	5.691	4.871	267.7E6	1236.5E6	55.495	56.468m
9)	A Endosulfan I	6.075	5.246	253.9E6	1159.0E6	56.339	55.608m
10)	B gamma-Chl...	5.947	5.124	268.1E6	1315.1E6	55.994	54.971m
11)	B alpha-Chl...	6.027	5.190	269.6E6	1300.8E6	55.727	56.810
12)	B 4,4'-DDE	6.196	5.375	245.5E6	1280.9E6	56.288	55.897
13)	MA Dieldrin	6.348	5.512	271.1E6	1290.5E6	56.501	55.603m
14)	MA Endrin	6.575	5.788	215.2E6	1117.8E6	52.154	51.480m
15)	B Endosulfa...	6.787	6.081	217.5E6	1113.1E6	53.888	55.114
16)	A 4,4'-DDD	6.705	5.930	198.7E6	1032.3E6	57.897	53.963
17)	MA 4,4'-DDT	7.021	6.183	192.4E6	1016.8E6	50.786	50.141
18)	B Endrin al...	6.915	6.259	169.2E6	841.9E6	55.210	54.983
19)	B Endosulfa...	7.150	6.482	210.8E6	1073.4E6	54.939	54.707
20)	A Methoxychlor	7.493	6.754	104.0E6	565.5E6	51.445	52.514
21)	B Endrin ke...	7.631	6.991	230.0E6	1200.6E6	56.469	55.581
22)	Mirex	8.114	7.184	131.2E6	711.8E6	43.142	42.680m

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

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Acq On : 01 Jul 2025 17:18
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Sample : PB168676BS
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ALS Vial : 14 Sample Multiplier: 1

Instrument :

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Manual Integrations

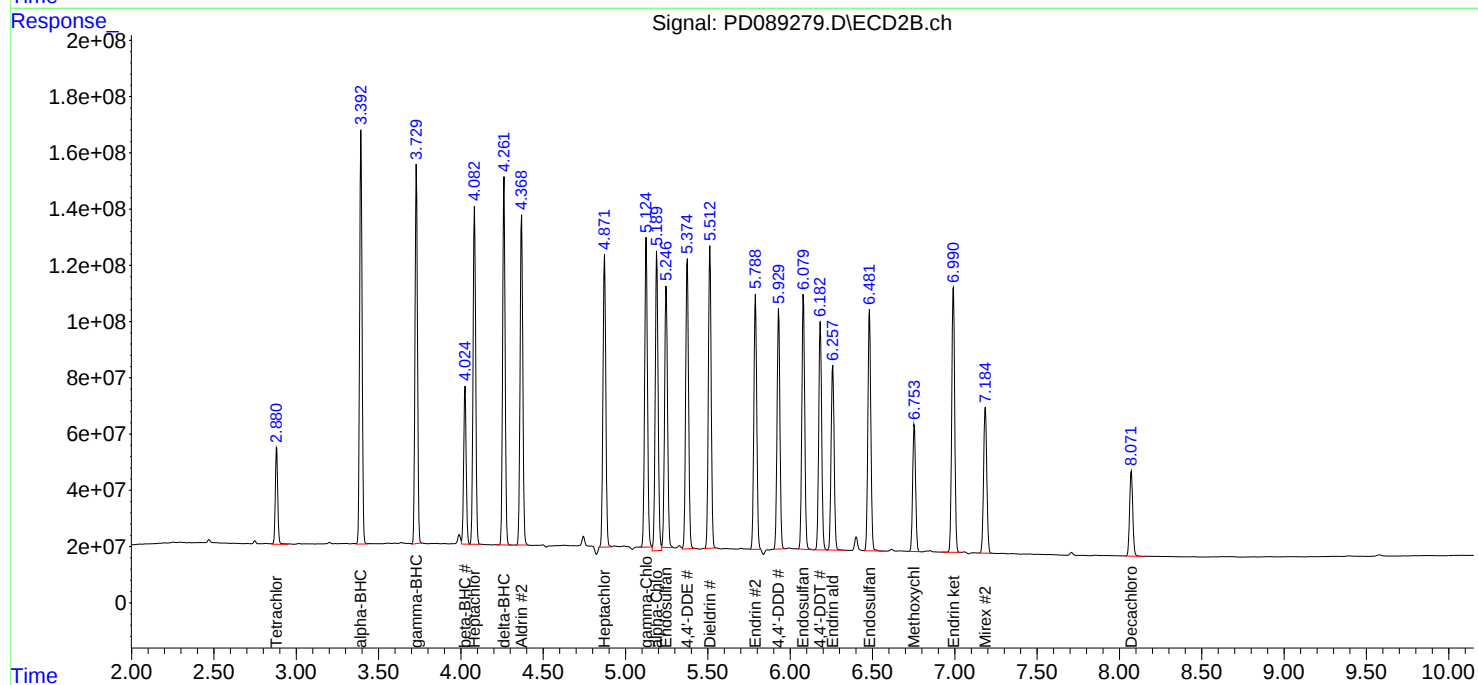
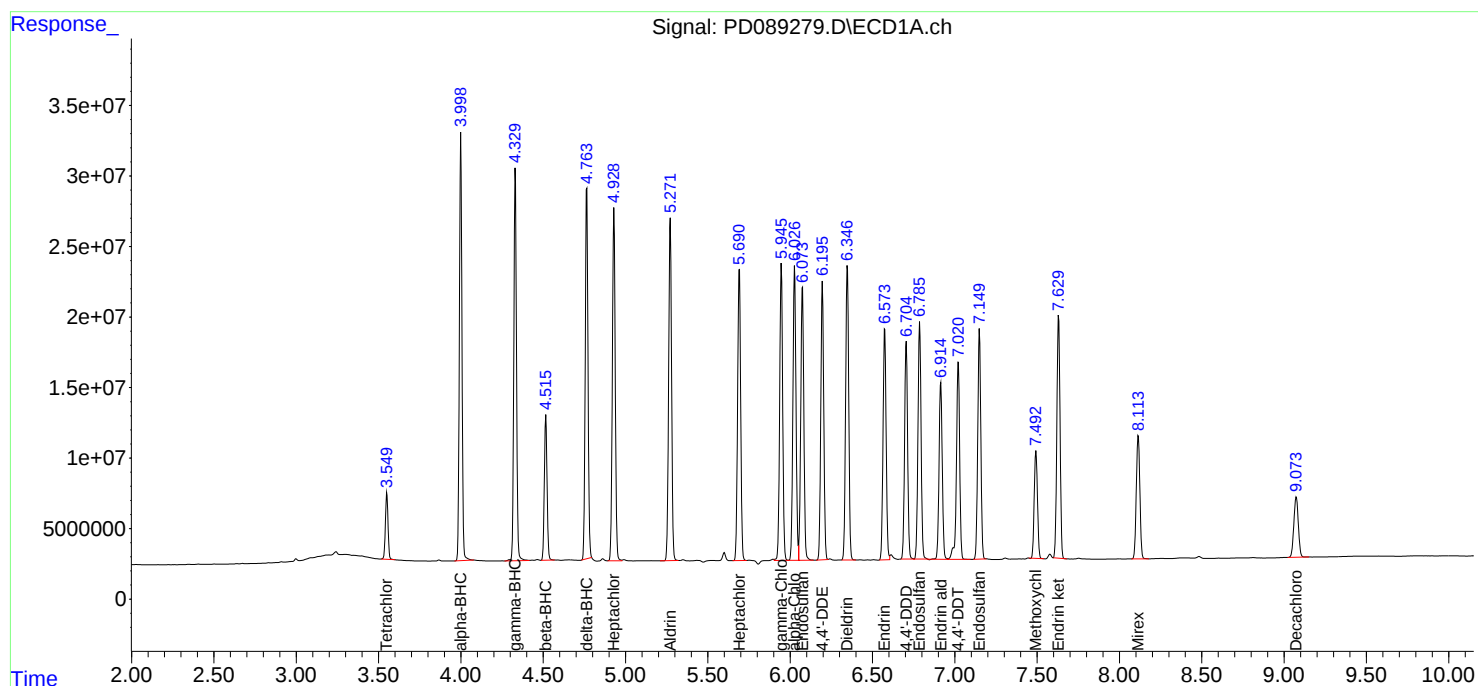
APPROVED

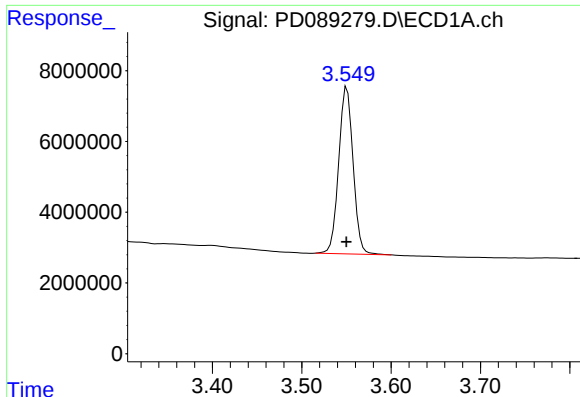
Reviewed By :Abdul Mirza 07/02/2025

Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:48:35 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
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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





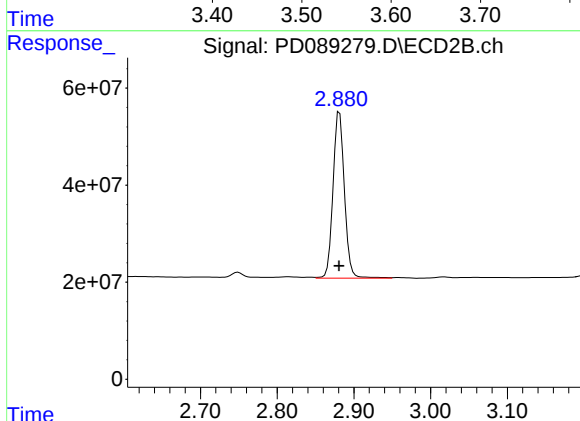
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 52730812
Conc: 18.48 ng/ml

Instrument :
ECD_D
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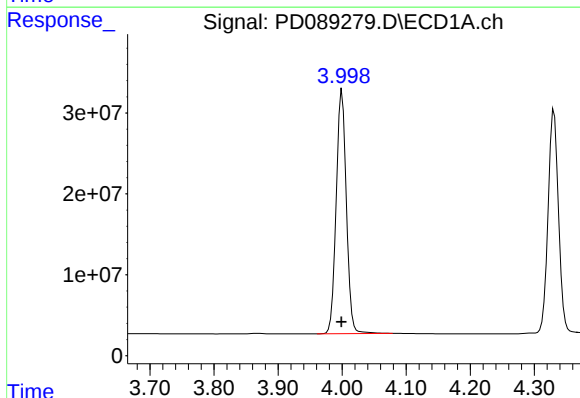
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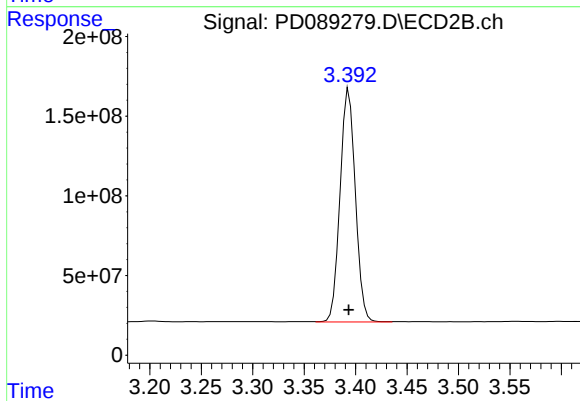
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 355045553
Conc: 20.94 ng/ml



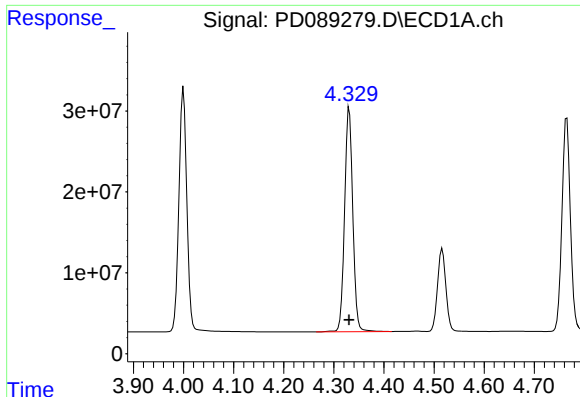
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 331887686
Conc: 56.94 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 1512198799
Conc: 56.43 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 316698040
Conc: 56.74 ng/ml

Instrument :

ECD_D

ClientSampleId :

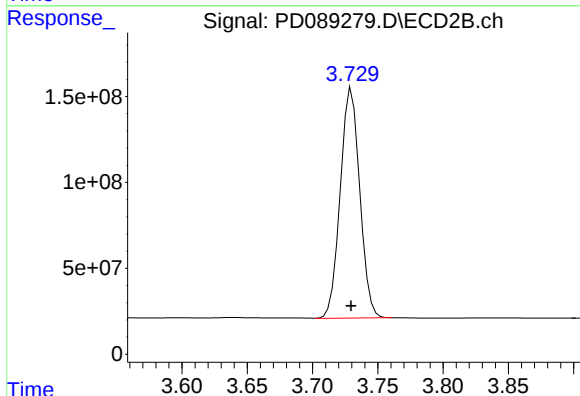
PB168676BS

Manual Integrations

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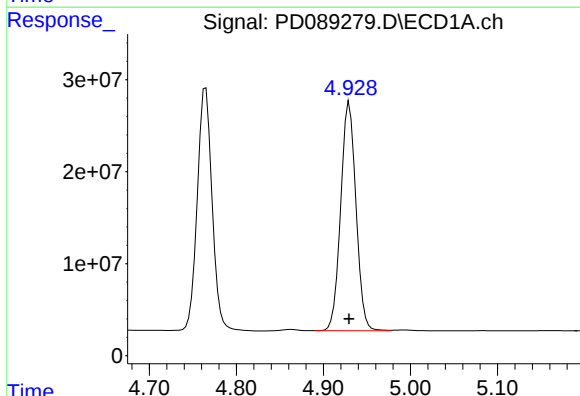
Reviewed By :Abdul Mirza 07/02/2025

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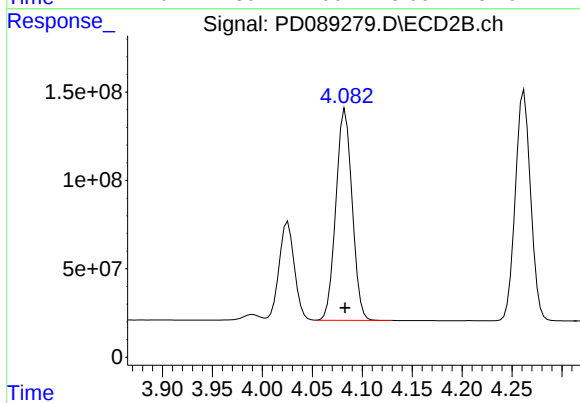
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 1390392229
Conc: 56.16 ng/ml m



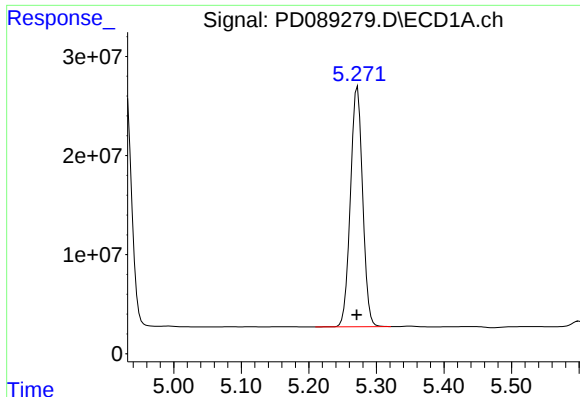
#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: 0.000 min
Response: 303150267
Conc: 55.60 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 1354448417
Conc: 54.09 ng/ml



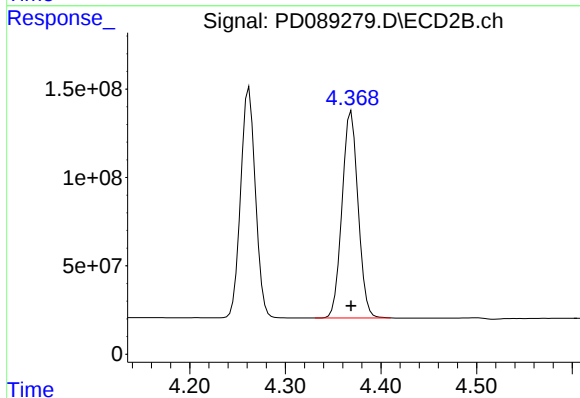
#5 Aldrin

R.T.: 5.272 min
Delta R.T.: 0.001 min
Response: 302506629
Conc: 56.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168676BS

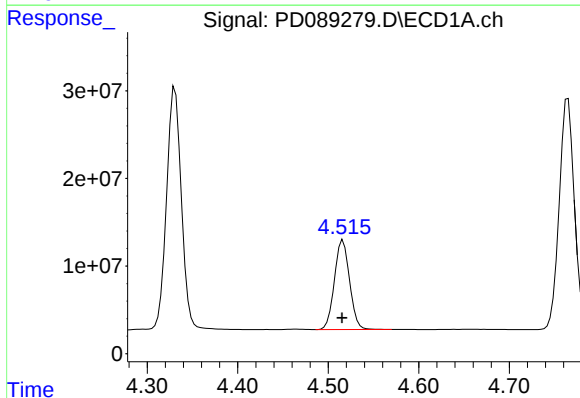
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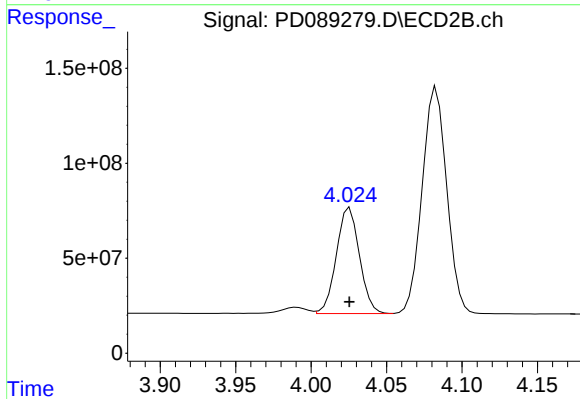
#5 Aldrin

R.T.: 4.369 min
Delta R.T.: 0.000 min
Response: 1365913351
Conc: 56.40 ng/ml



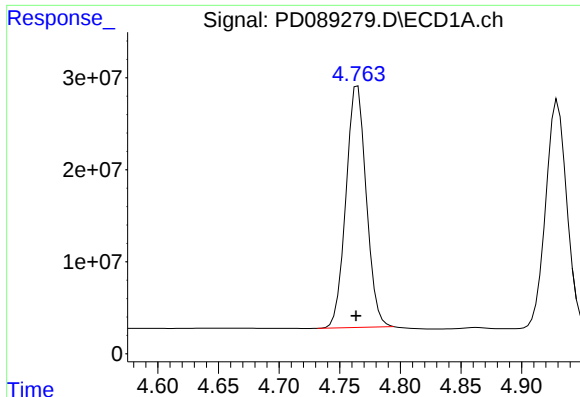
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.001 min
Response: 118705847
Conc: 53.78 ng/ml



#6 beta-BHC

R.T.: 4.026 min
Delta R.T.: 0.000 min
Response: 594087233
Conc: 55.28 ng/ml



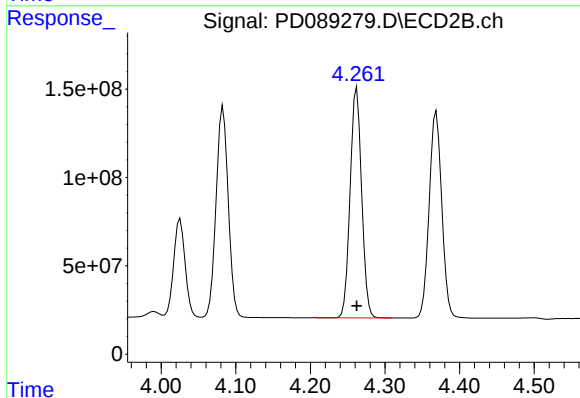
#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: 0.001 min
Response: 305787312
Conc: 59.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168676BS

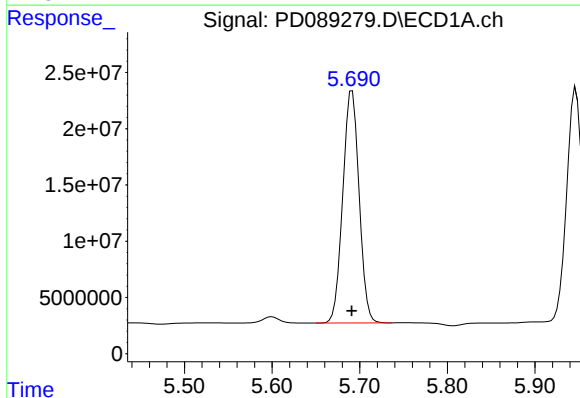
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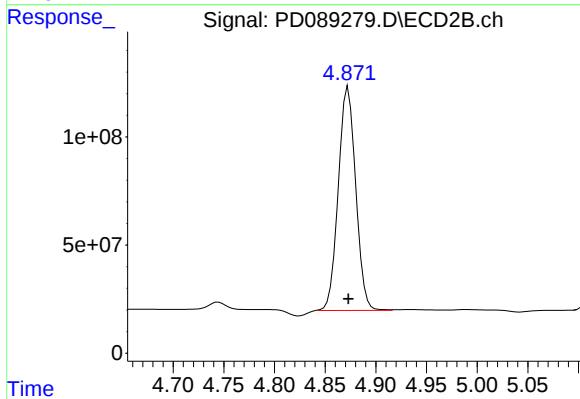
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 1391593254
Conc: 55.95 ng/ml



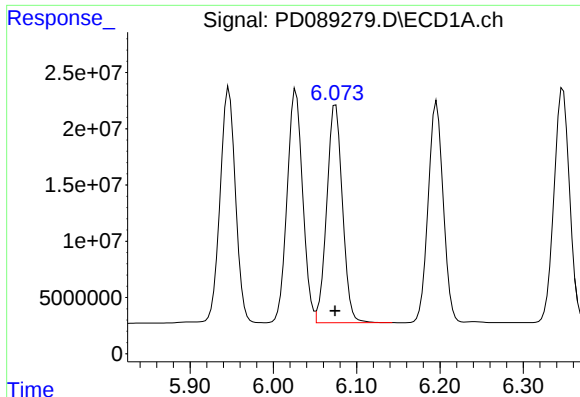
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 267705416
Conc: 55.50 ng/ml



#8 Heptachlor epoxide

R.T.: 4.871 min
Delta R.T.: -0.001 min
Response: 1236547952
Conc: 56.47 ng/ml m



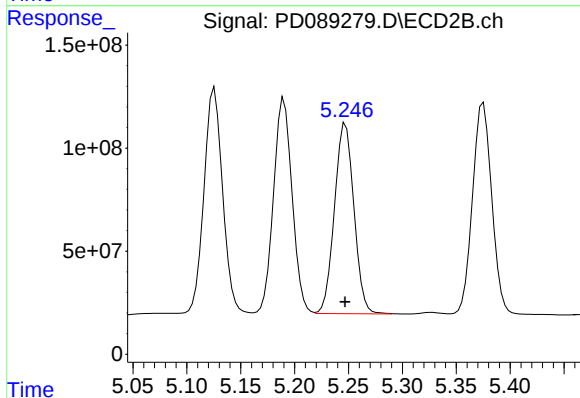
#9 Endosulfan I

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 253944789
Conc: 56.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168676BS

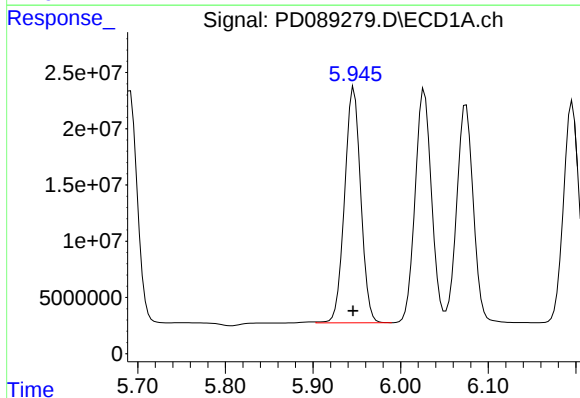
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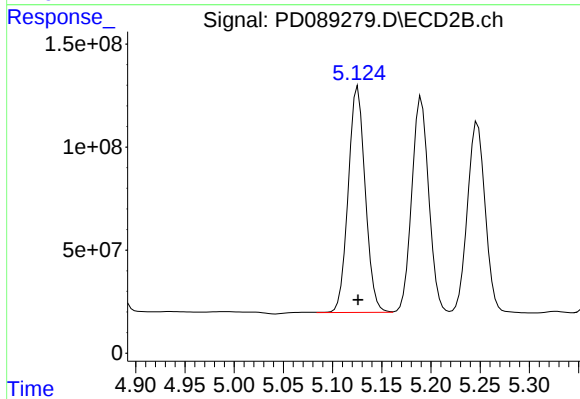
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: -0.001 min
Response: 1159014211
Conc: 55.61 ng/ml m



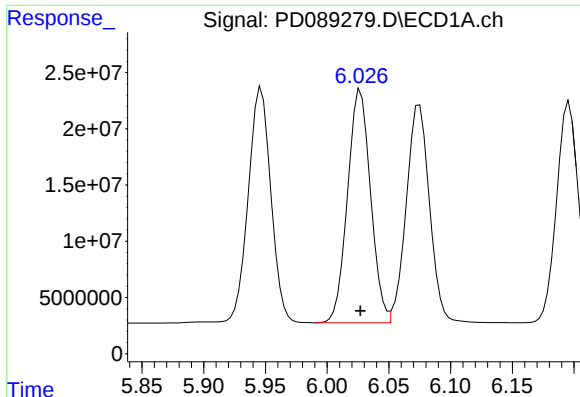
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: 0.001 min
Response: 268107281
Conc: 55.99 ng/ml



#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.001 min
Response: 1315056713
Conc: 54.97 ng/ml m



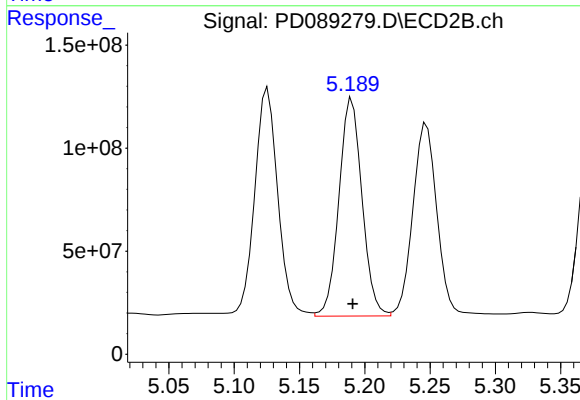
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 269636259
Conc: 55.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168676BS

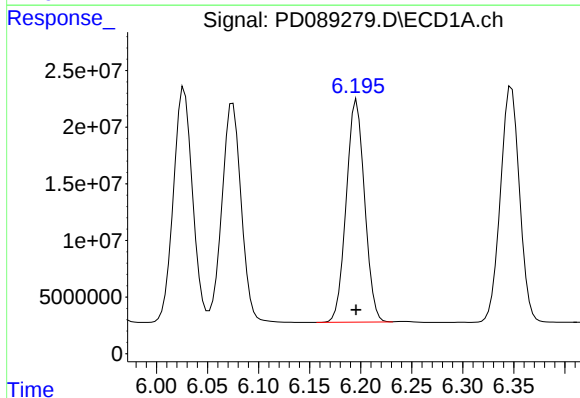
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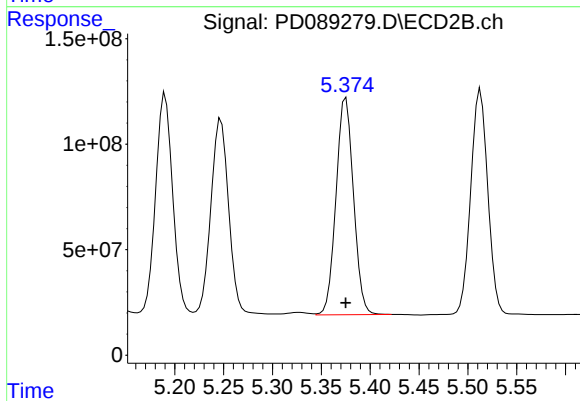
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: 0.000 min
Response: 1300776876
Conc: 56.81 ng/ml



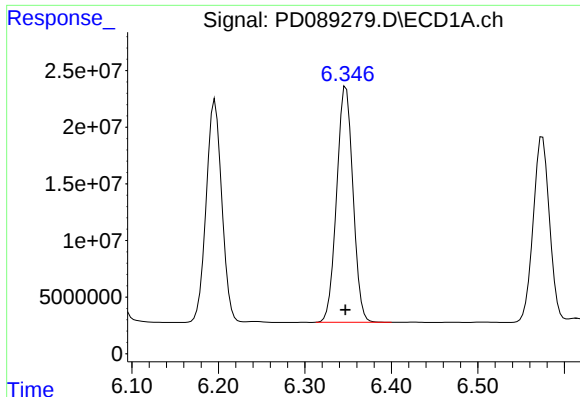
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 245474776
Conc: 56.29 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 1280947143
Conc: 55.90 ng/ml



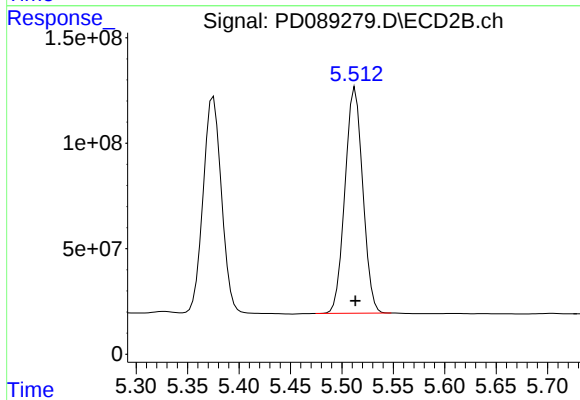
#13 Dieldrin

R.T.: 6.348 min
Delta R.T.: 0.000 min
Response: 271061873
Conc: 56.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168676BS

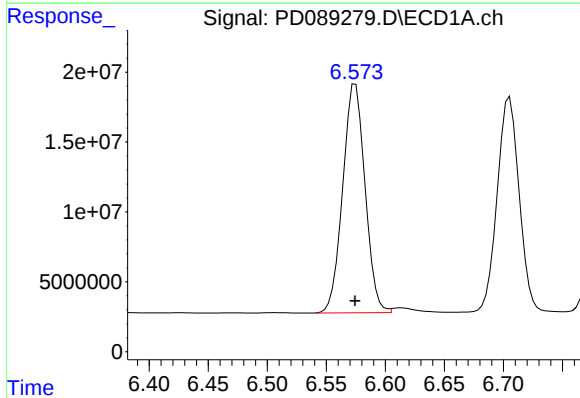
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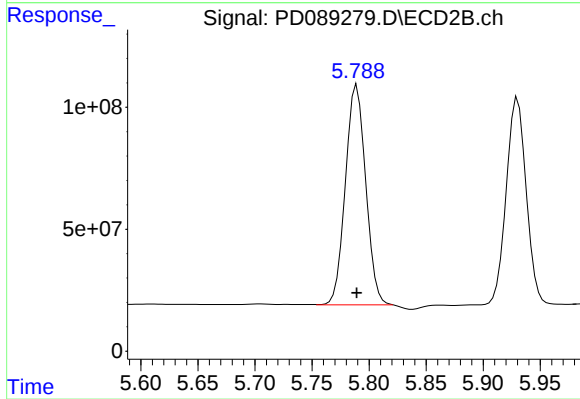
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: -0.002 min
Response: 1290453948
Conc: 55.60 ng/ml m



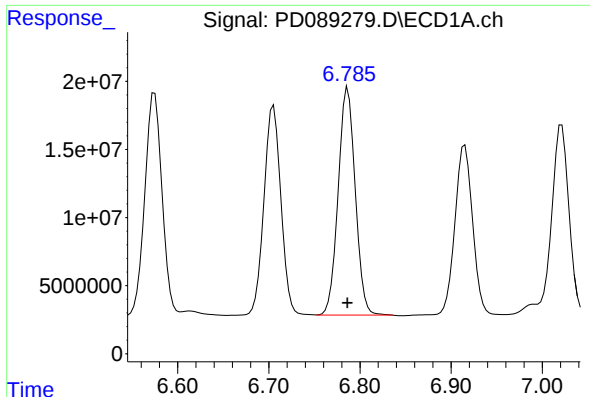
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 215165725
Conc: 52.15 ng/ml



#14 Endrin

R.T.: 5.788 min
Delta R.T.: -0.001 min
Response: 1117823926
Conc: 51.48 ng/ml m



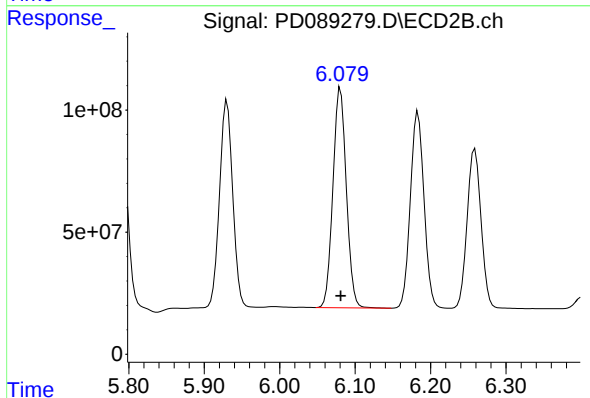
#15 Endosulfan II

R.T.: 6.787 min
Delta R.T.: 0.000 min
Response: 217526188
Conc: 53.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168676BS

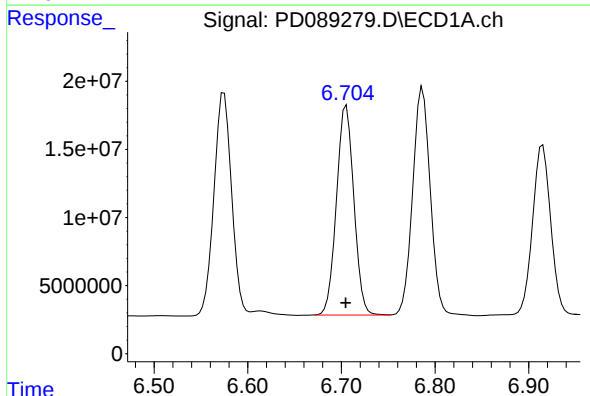
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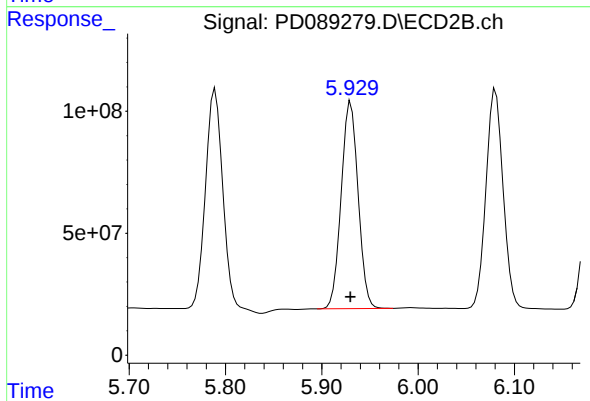
#15 Endosulfan II

R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 1113113287
Conc: 55.11 ng/ml



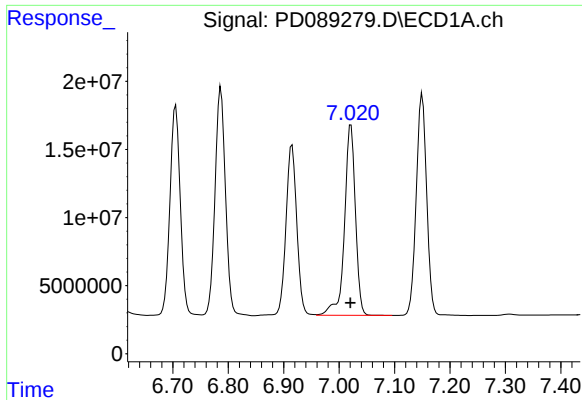
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 198706624
Conc: 57.90 ng/ml



#16 4,4'-DDD

R.T.: 5.930 min
Delta R.T.: 0.000 min
Response: 1032270700
Conc: 53.96 ng/ml



#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 192386211
Conc: 50.79 ng/ml

Instrument :

ECD_D

ClientSampleId :

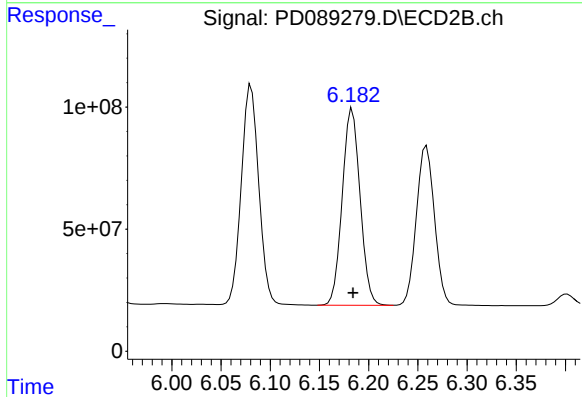
PB168676BS

Manual Integrations

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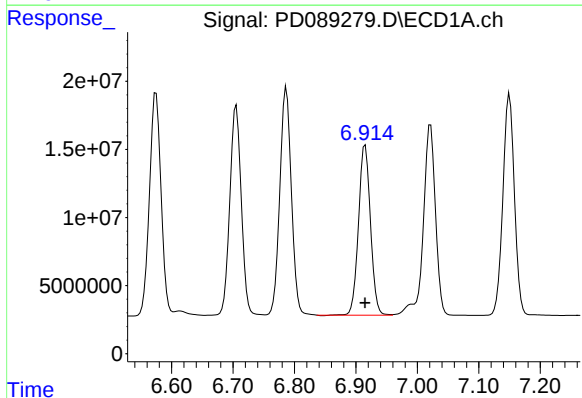
Reviewed By :Abdul Mirza 07/02/2025

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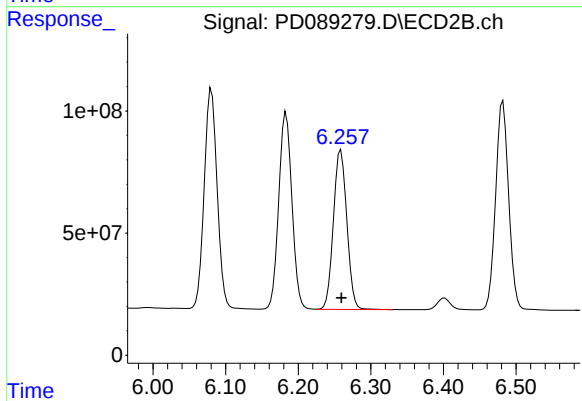
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: 0.000 min
Response: 1016817914
Conc: 50.14 ng/ml



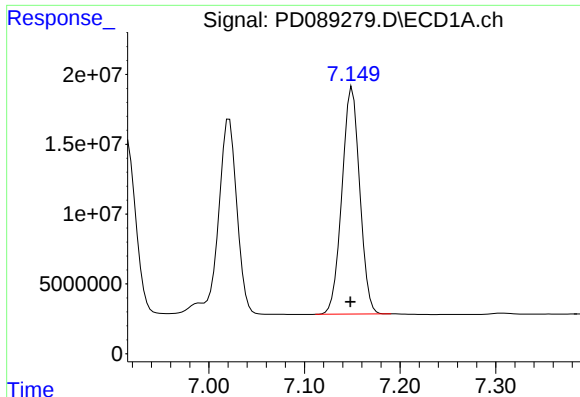
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 169159941
Conc: 55.21 ng/ml



#18 Endrin aldehyde

R.T.: 6.259 min
Delta R.T.: 0.000 min
Response: 841862499
Conc: 54.98 ng/ml



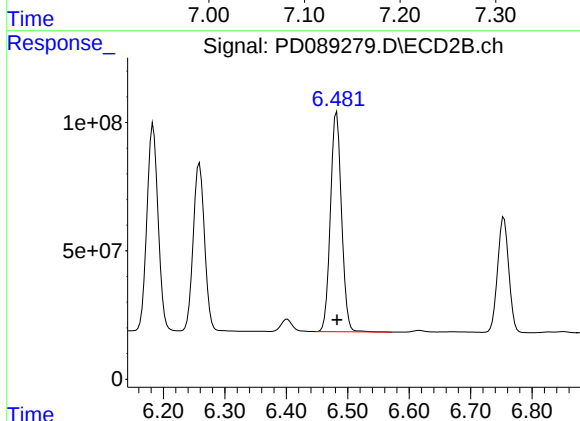
#19 Endosulfan Sulfate

R.T.: 7.150 min
Delta R.T.: 0.002 min
Response: 210813074
Conc: 54.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
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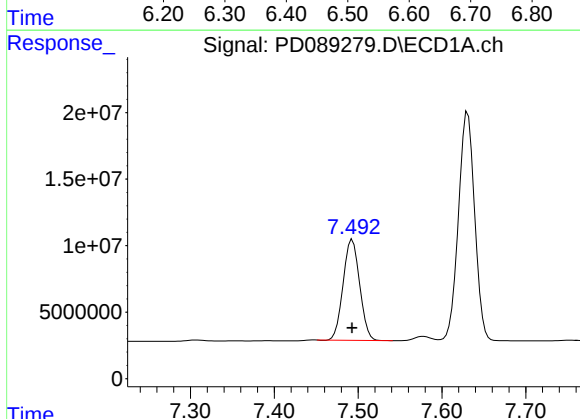
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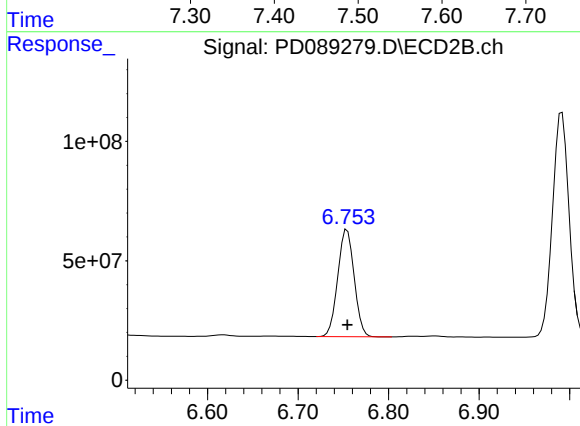
#19 Endosulfan Sulfate

R.T.: 6.482 min
Delta R.T.: 0.000 min
Response: 1073402721
Conc: 54.71 ng/ml



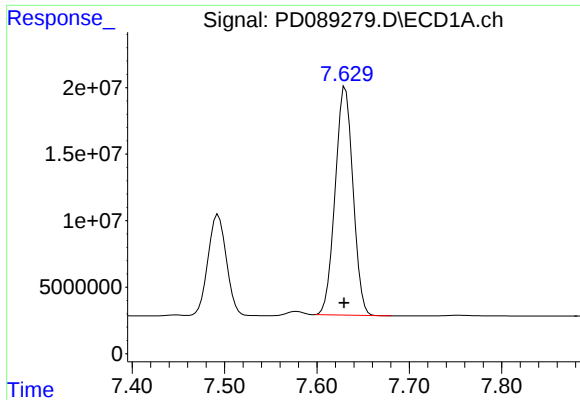
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 103951486
Conc: 51.45 ng/ml



#20 Methoxychlor

R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 565470408
Conc: 52.51 ng/ml



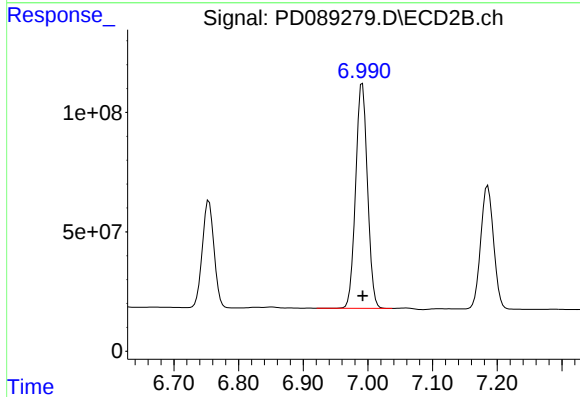
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.001 min
Response: 23000560
Conc: 56.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168676BS

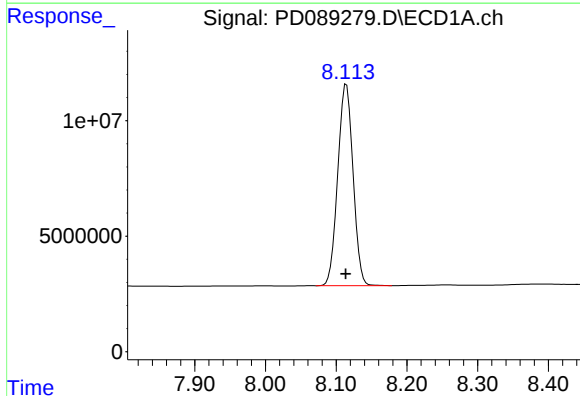
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025



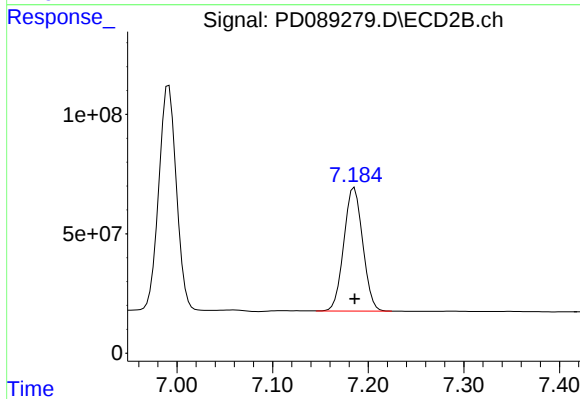
#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: 0.000 min
Response: 1200639384
Conc: 55.58 ng/ml



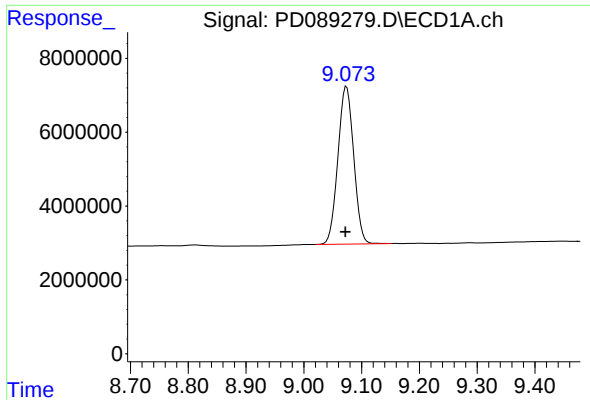
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.001 min
Response: 131158155
Conc: 43.14 ng/ml



#22 Mirex

R.T.: 7.184 min
Delta R.T.: -0.002 min
Response: 711825145
Conc: 42.68 ng/ml m



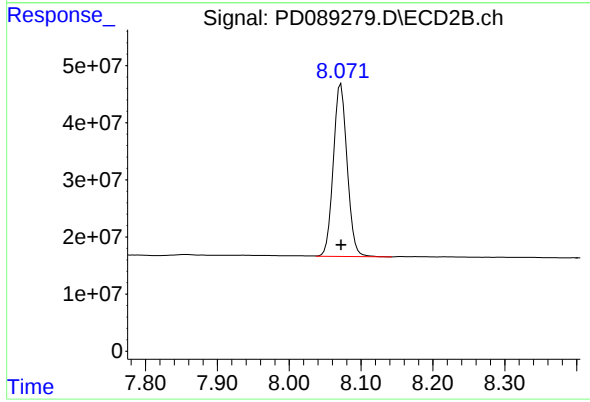
#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.002 min
Response: 80793534
Conc: 20.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168676BS

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 402782195
Conc: 20.37 ng/ml