

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080925\
 Data File : PD089812.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Aug 2025 15:18
 Operator : AR\AJ
 Sample : PB169173BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169173BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/11/2025
 Supervised By :mohammad ahmed 08/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 11 01:34:09 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...	3.554	2.877	45600905	352.1E6	18.487	22.232
28)	SA Decachlor...	9.076	8.067	69294723	391.5E6	18.646	19.498
Target Compounds							
2)	A alpha-BHC	4.004	3.389	241.8E6	1294.6E6	48.806	53.265
3)	MA gamma-BHC...	4.335	3.726	229.3E6	1197.3E6	48.257	53.156
4)	MA Heptachlor	4.933	4.079	223.2E6	1182.8E6	46.389	50.962
5)	MB Aldrin	5.275	4.364	219.7E6	1185.1E6	48.134	53.260
6)	B beta-BHC	4.521	4.022	88040092	509.3E6	47.727	52.778
7)	B delta-BHC	4.768	4.258	227.6E6	1209.1E6	49.617m	53.228
8)	B Heptachlo...	5.695	4.868	197.2E6	1073.8E6	47.160	52.255
9)	A Endosulfan I	6.079	5.242	184.6E6	1022.3E6	46.571	52.298
10)	B gamma-Chl...	5.951	5.121	197.7E6	1153.4E6	47.316	53.269
11)	B alpha-Chl...	6.032	5.186	195.9E6	1105.1E6	46.608	53.073
12)	B 4,4'-DDE	6.201	5.370	174.2E6	1119.9E6	46.702	52.984
13)	MA Dieldrin	6.352	5.508	196.4E6	1140.4E6	46.507	52.700
14)	MA Endrin	6.579	5.785	151.9E6	963.6E6	42.460	48.361
15)	B Endosulfa...	6.791	6.077	165.9E6	987.0E6	45.203	52.500
16)	A 4,4'-DDD	6.710	5.925	143.0E6	978.5E6	47.756	55.492
17)	MA 4,4'-DDT	7.026	6.179	139.1E6	905.4E6	41.387	49.280
18)	B Endrin al...	6.920	6.255	128.0E6	761.2E6	51.290	58.912
19)	B Endosulfa...	7.155	6.478	155.1E6	952.4E6	44.701	51.301
20)	A Methoxychlor	7.499	6.750	69997285	454.8E6	39.149	46.428
21)	B Endrin ke...	7.635	6.988	164.2E6	1046.9E6	44.219	52.165
22)	Mirex	8.117	7.181	114.8E6	739.7E6	41.188	48.599

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080925\
Data File : PD089812.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Aug 2025 15:18
Operator : AR\AJ
Sample : PB169173BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB169173BS

Manual Integrations

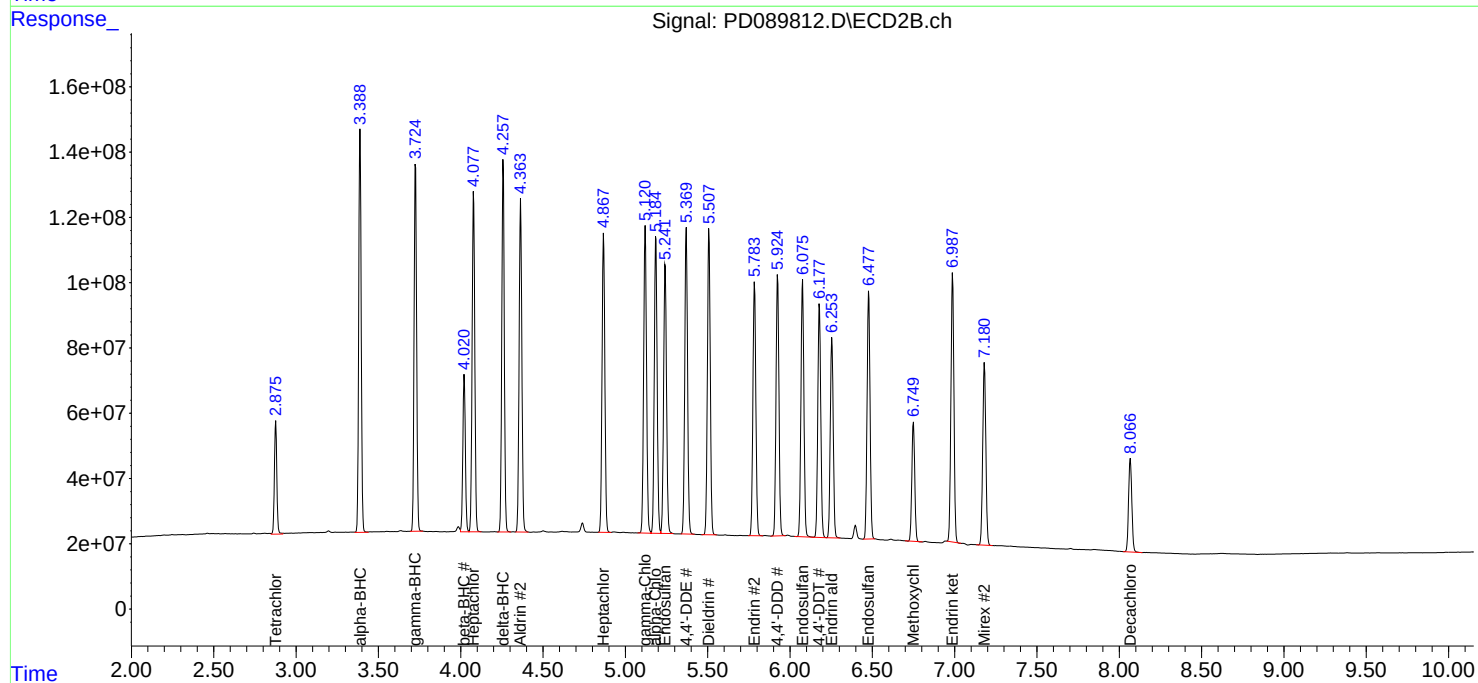
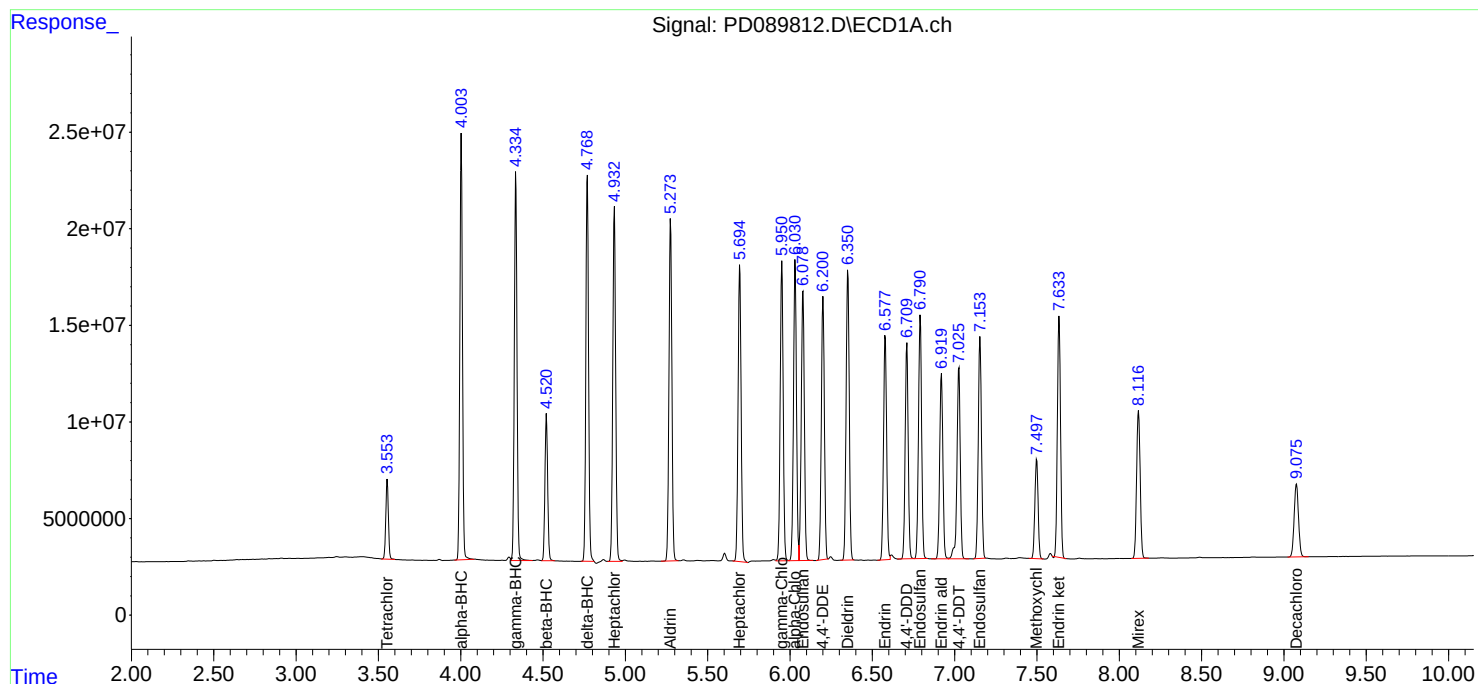
APPROVED

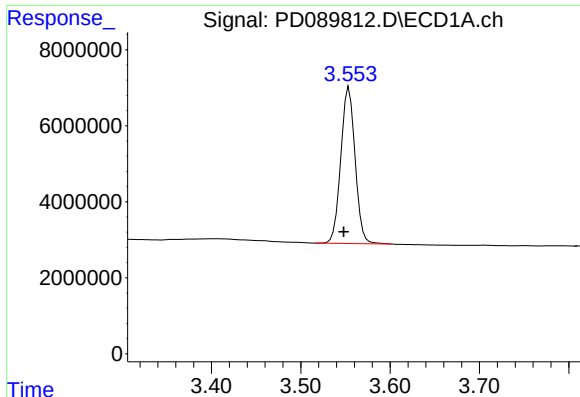
Reviewed By :Abdul Mirza 08/11/2025

Supervised By :mohammad ahmed 08/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 11 01:34:09 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





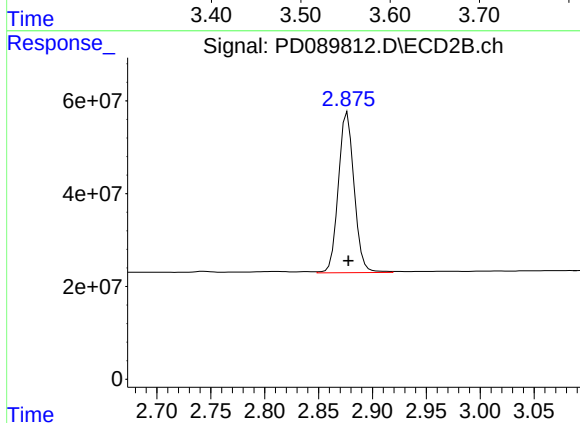
#1 Tetrachloro-m-xylene

R.T.: 3.554 min
Delta R.T.: 0.006 min
Response: 45600905
Conc: 18.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169173BS

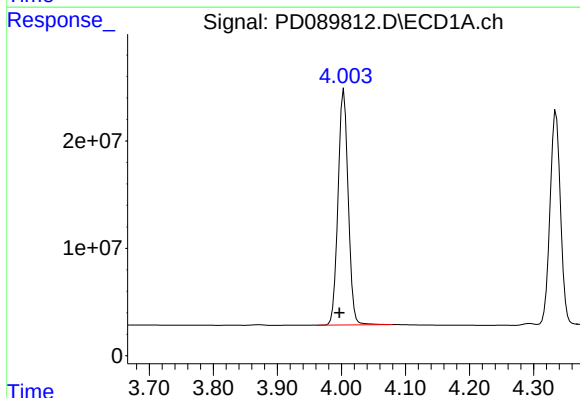
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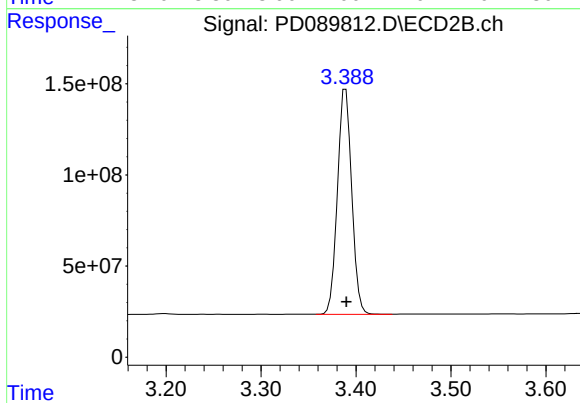
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 352110822
Conc: 22.23 ng/ml



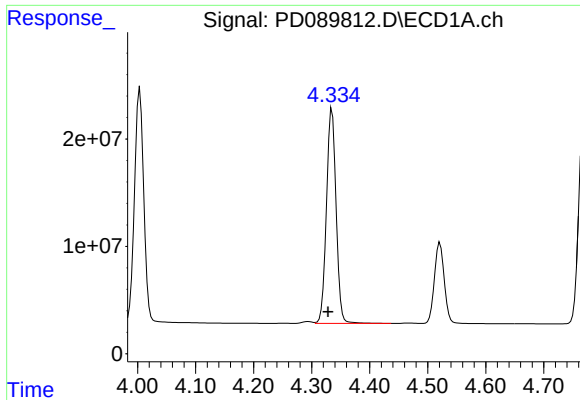
#2 alpha-BHC

R.T.: 4.004 min
Delta R.T.: 0.007 min
Response: 241759708
Conc: 48.81 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 1294602522
Conc: 53.27 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.335 min
Delta R.T.: 0.007 min
Response: 229333250
Conc: 48.26 ng/ml

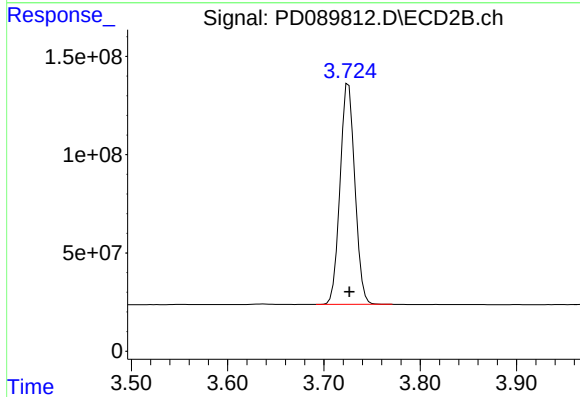
Instrument :

ECD_D

ClientSampleId :
PB169173BS

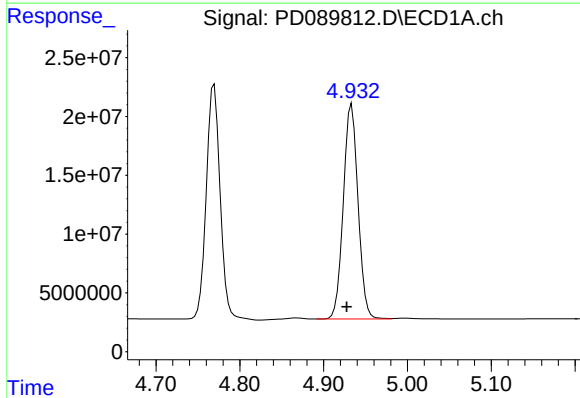
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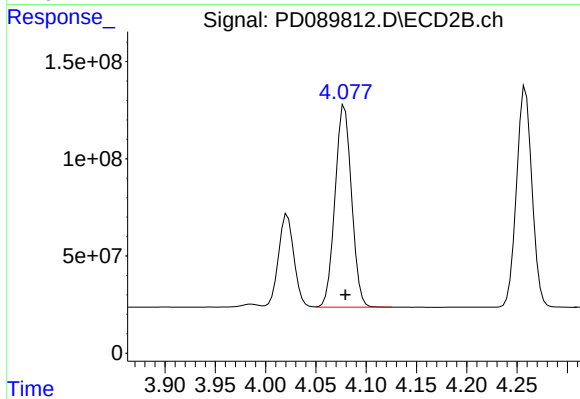
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1197278482
Conc: 53.16 ng/ml



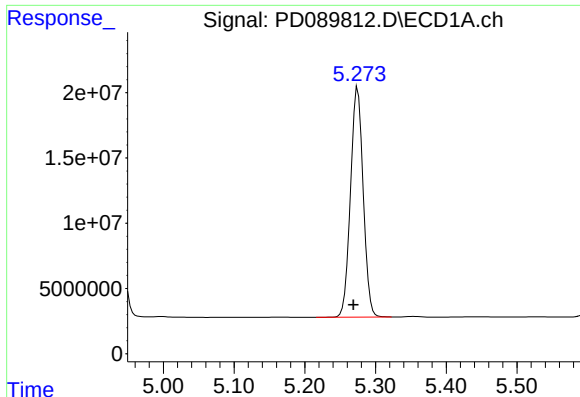
#4 Heptachlor

R.T.: 4.933 min
Delta R.T.: 0.006 min
Response: 223200806
Conc: 46.39 ng/ml



#4 Heptachlor

R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 1182789005
Conc: 50.96 ng/ml



#5 Aldrin

R.T.: 5.275 min
Delta R.T.: 0.006 min
Response: 219725115
Conc: 48.13 ng/ml

Instrument :

ECD_D

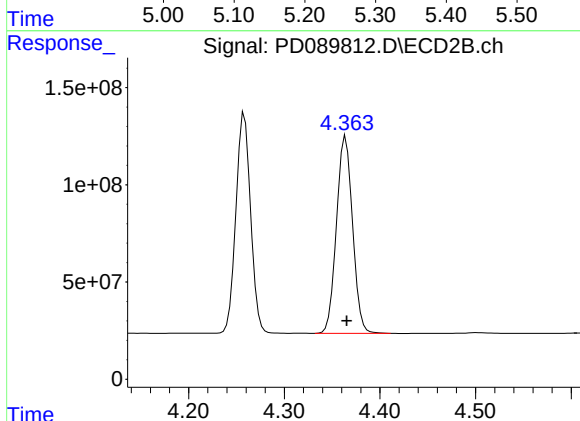
ClientSampleId :

PB169173BS

Manual Integrations

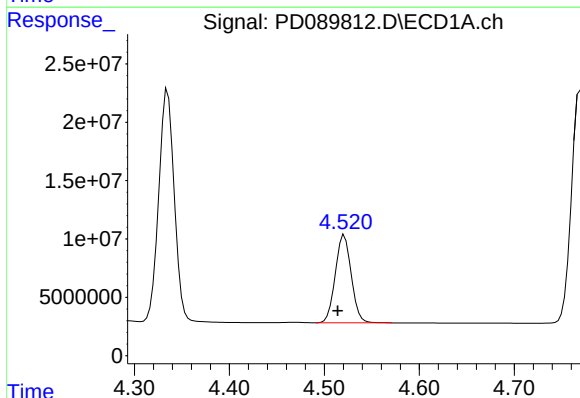
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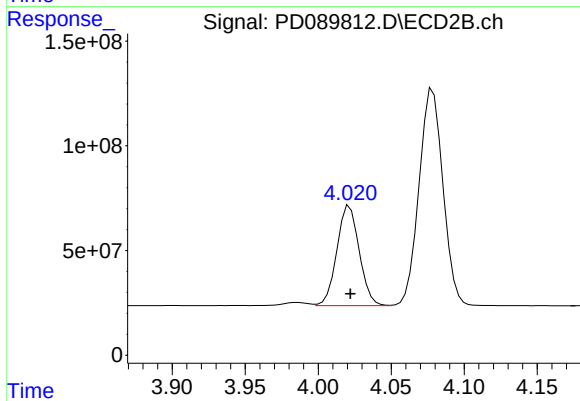
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 1185076824
Conc: 53.26 ng/ml



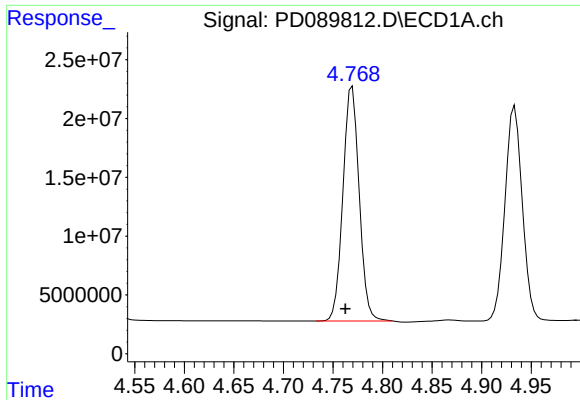
#6 beta-BHC

R.T.: 4.521 min
Delta R.T.: 0.007 min
Response: 88040092
Conc: 47.73 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 509251492
Conc: 52.78 ng/ml



#7 delta-BHC

R.T.: 4.768 min
Delta R.T.: 0.006 min
Response: 227553591
Conc: 49.62 ng/ml

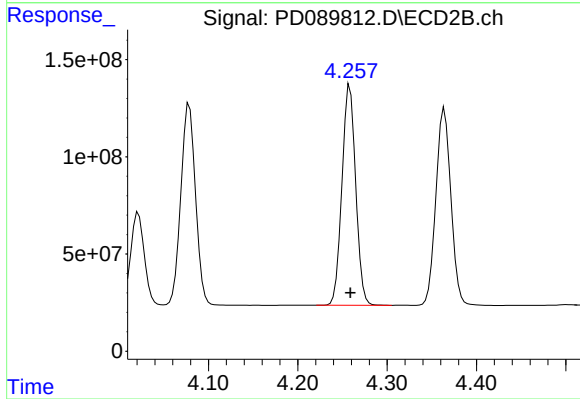
Instrument :

ECD_D

ClientSampleId :
PB169173BS

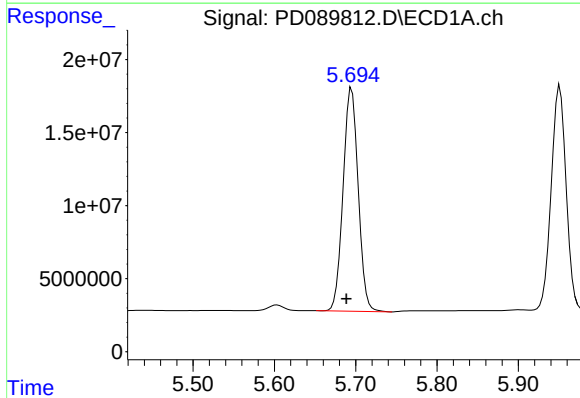
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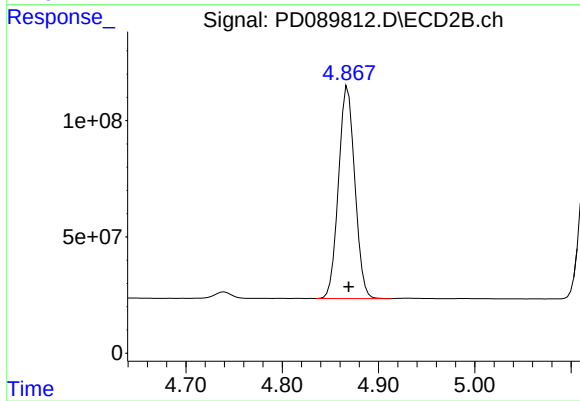
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1209088236
Conc: 53.23 ng/ml



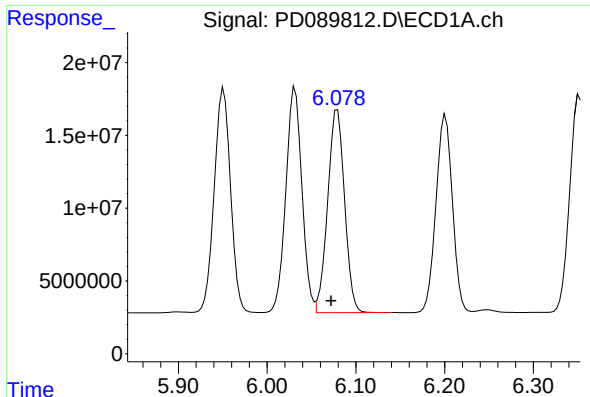
#8 Heptachlor epoxide

R.T.: 5.695 min
Delta R.T.: 0.006 min
Response: 197163885
Conc: 47.16 ng/ml



#8 Heptachlor epoxide

R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 1073825082
Conc: 52.25 ng/ml



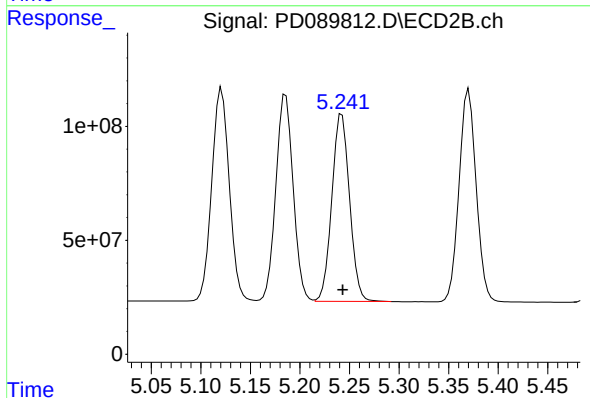
#9 Endosulfan I

R.T.: 6.079 min
Delta R.T.: 0.007 min
Response: 184588009
Conc: 46.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169173BS

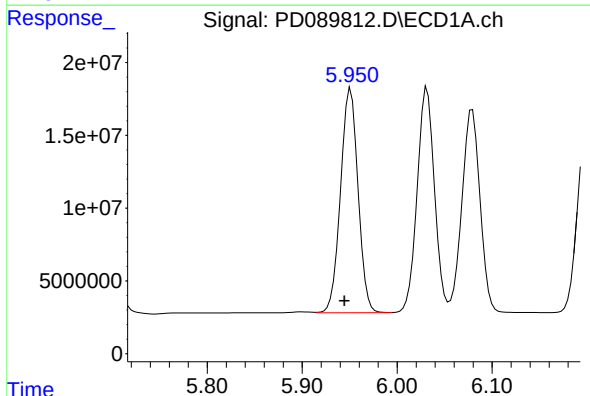
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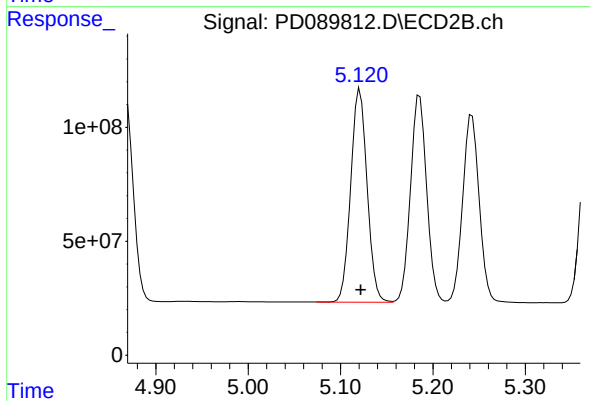
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 1022341897
Conc: 52.30 ng/ml



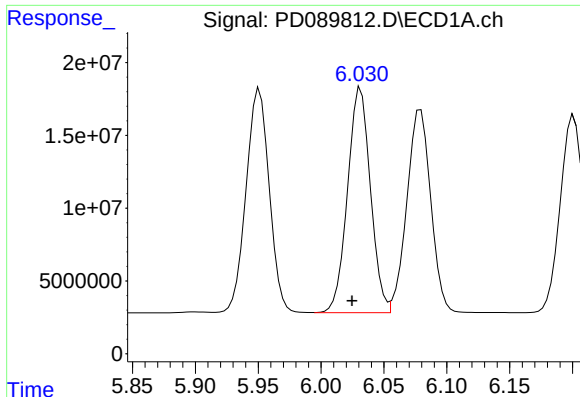
#10 gamma-Chlordane

R.T.: 5.951 min
Delta R.T.: 0.007 min
Response: 197738577
Conc: 47.32 ng/ml



#10 gamma-Chlordane

R.T.: 5.121 min
Delta R.T.: 0.000 min
Response: 1153447563
Conc: 53.27 ng/ml



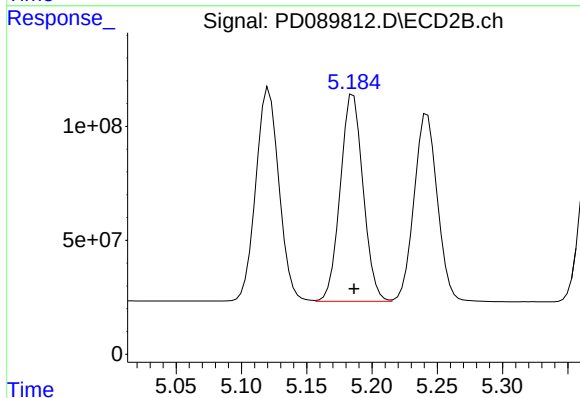
#11 alpha-Chlordane

R.T.: 6.032 min
Delta R.T.: 0.007 min
Response: 195947060
Conc: 46.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169173BS

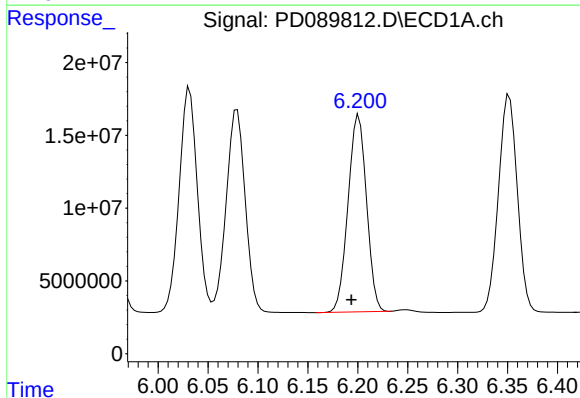
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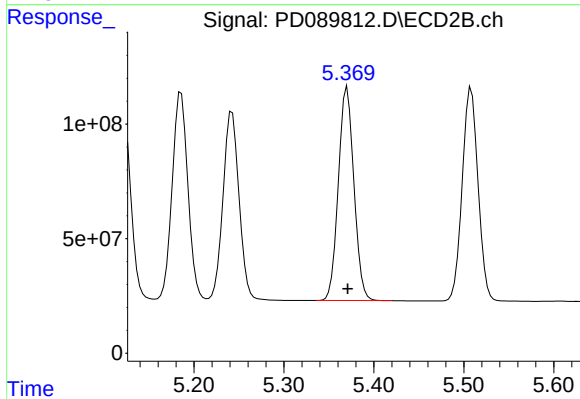
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 1105086716
Conc: 53.07 ng/ml



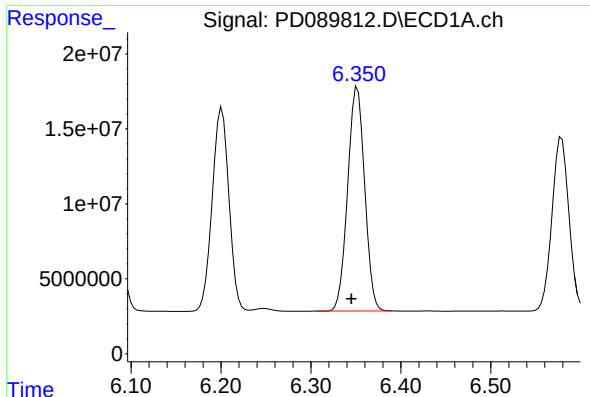
#12 4,4'-DDE

R.T.: 6.201 min
Delta R.T.: 0.008 min
Response: 174185667
Conc: 46.70 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: 0.000 min
Response: 1119922620
Conc: 52.98 ng/ml



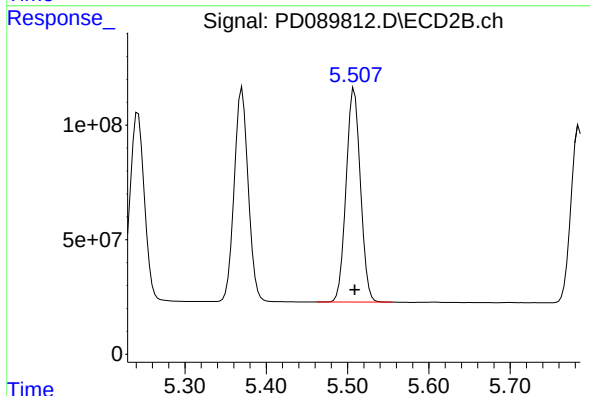
#13 Dieldrin

R.T.: 6.352 min
Delta R.T.: 0.007 min
Response: 196420813
Conc: 46.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169173BS

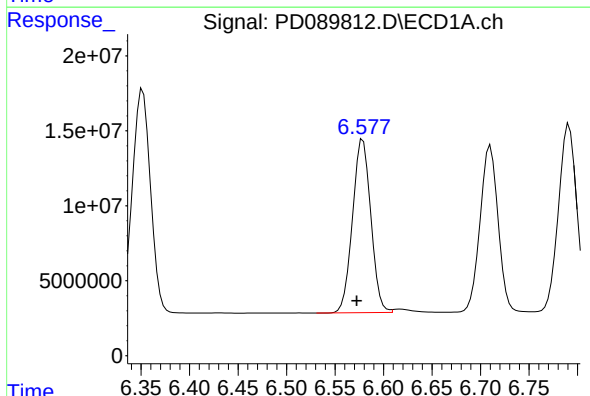
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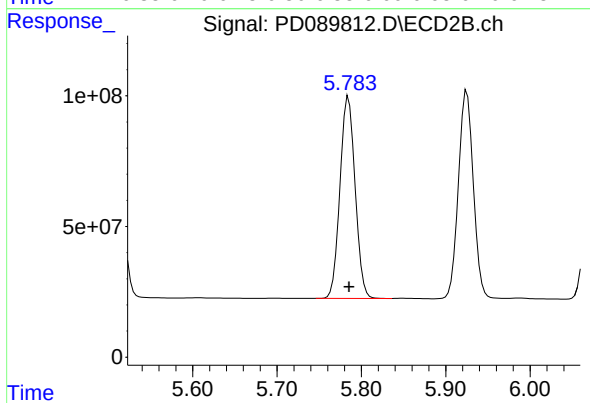
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 1140381227
Conc: 52.70 ng/ml



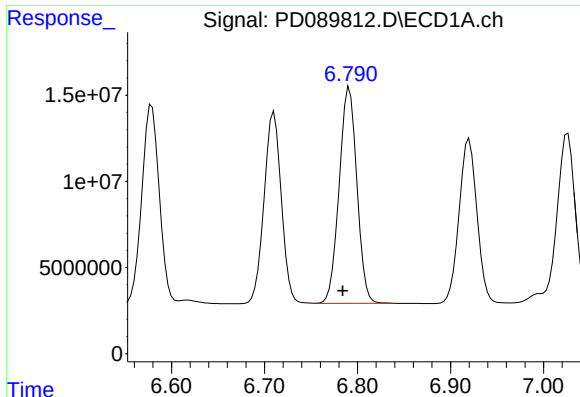
#14 Endrin

R.T.: 6.579 min
Delta R.T.: 0.007 min
Response: 151909081
Conc: 42.46 ng/ml



#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 963600135
Conc: 48.36 ng/ml



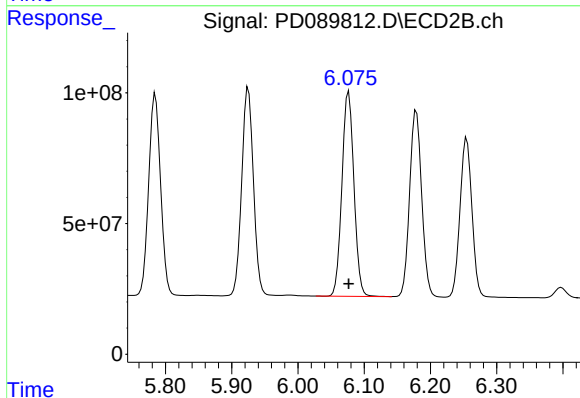
#15 Endosulfan II

R.T.: 6.791 min
Delta R.T.: 0.007 min
Response: 165868934
Conc: 45.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169173BS

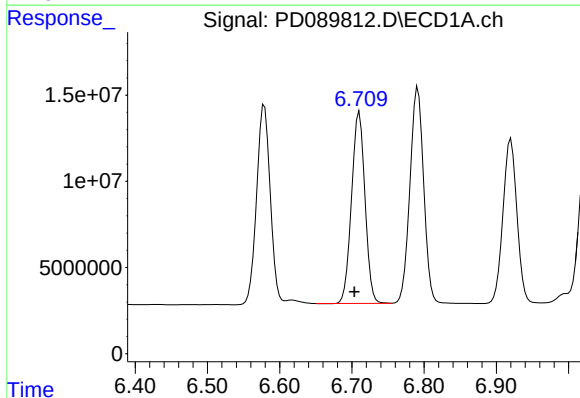
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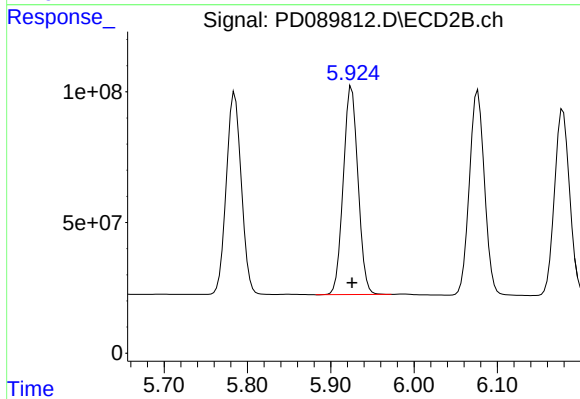
#15 Endosulfan II

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 986966131
Conc: 52.50 ng/ml



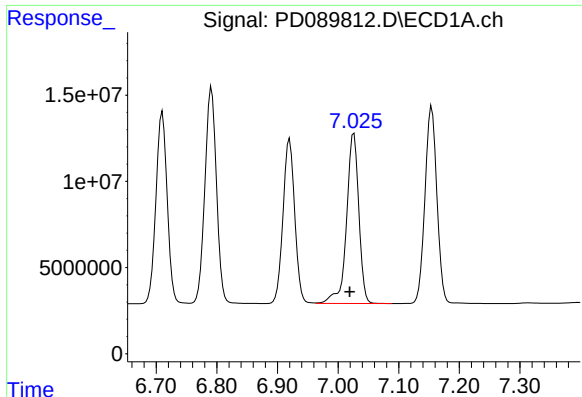
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.007 min
Response: 143020014
Conc: 47.76 ng/ml



#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 978476281
Conc: 55.49 ng/ml



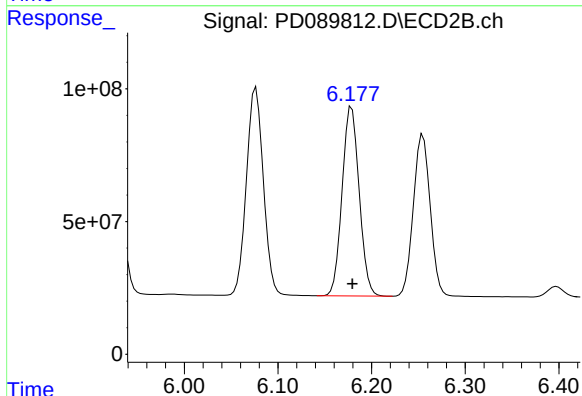
#17 4,4'-DDT

R.T.: 7.026 min
Delta R.T.: 0.007 min
Response: 139070917
Conc: 41.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169173BS

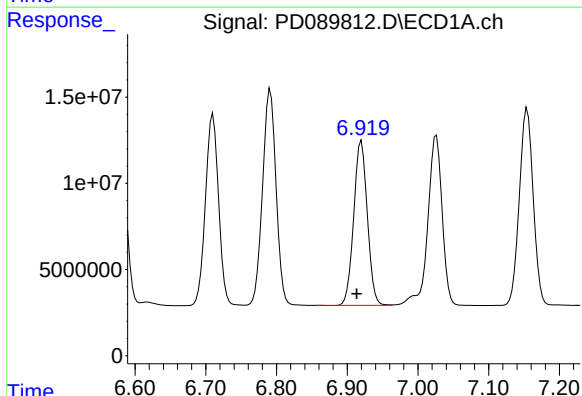
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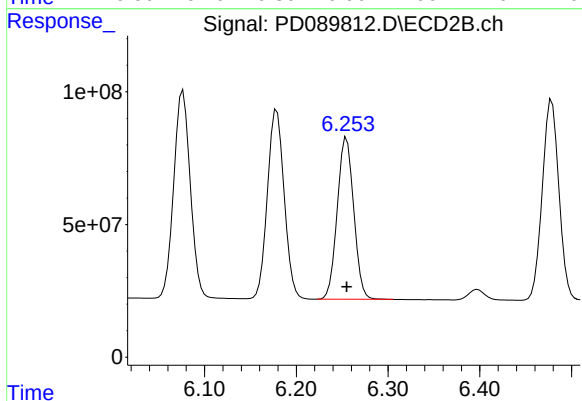
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 905410153
Conc: 49.28 ng/ml



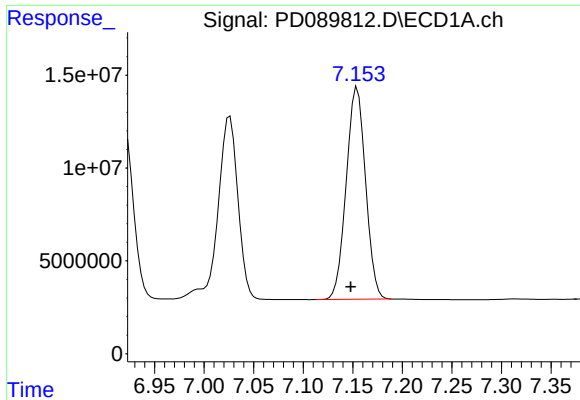
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: 0.007 min
Response: 127997346
Conc: 51.29 ng/ml



#18 Endrin aldehyde

R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 761169842
Conc: 58.91 ng/ml



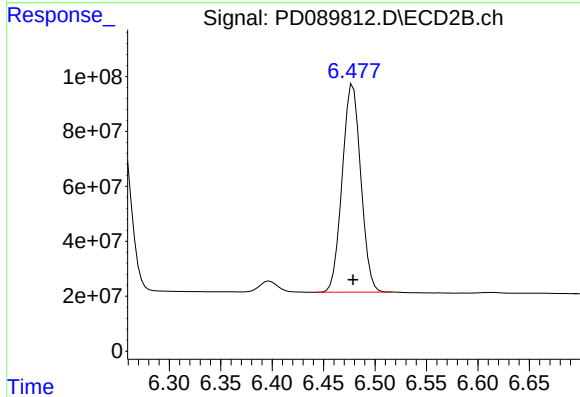
#19 Endosulfan Sulfate

R.T.: 7.155 min
Delta R.T.: 0.006 min
Response: 155115948
Conc: 44.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169173BS

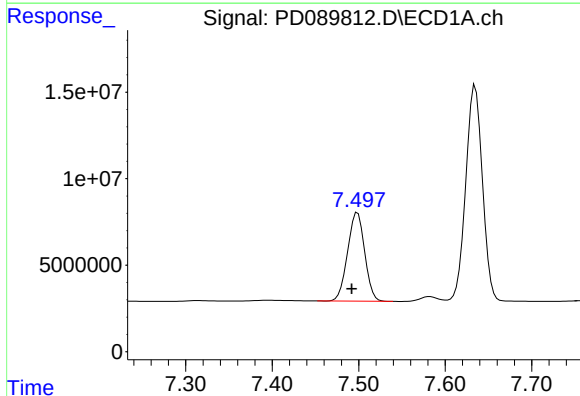
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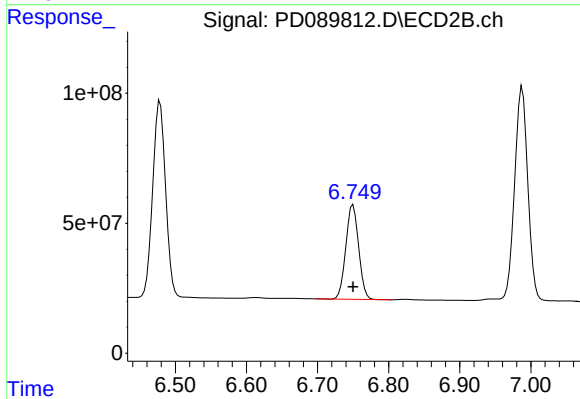
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 952433009
Conc: 51.30 ng/ml



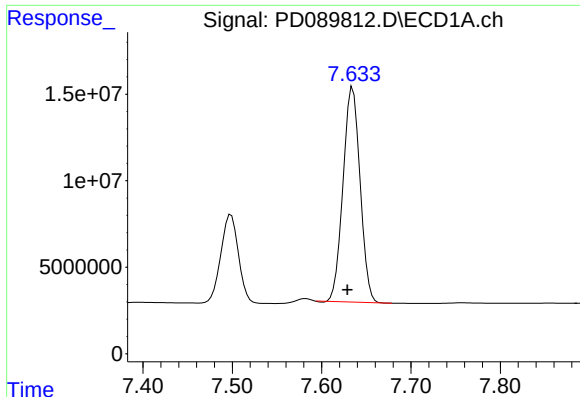
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.007 min
Response: 69997285
Conc: 39.15 ng/ml



#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 454788556
Conc: 46.43 ng/ml



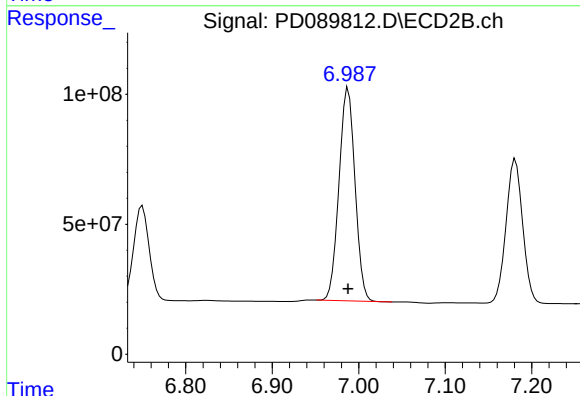
#21 Endrin ketone

R.T.: 7.635 min
Delta R.T.: 0.006 min
Response: 164236992
Conc: 44.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169173BS

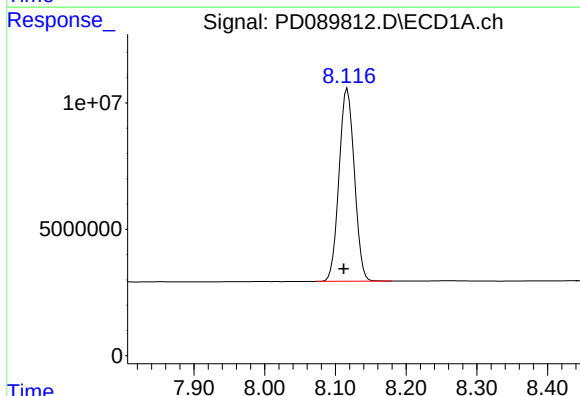
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Reviewed By :Abdul Mirza 08/11/2025
Supervised By :mohammad ahmed 08/12/2025



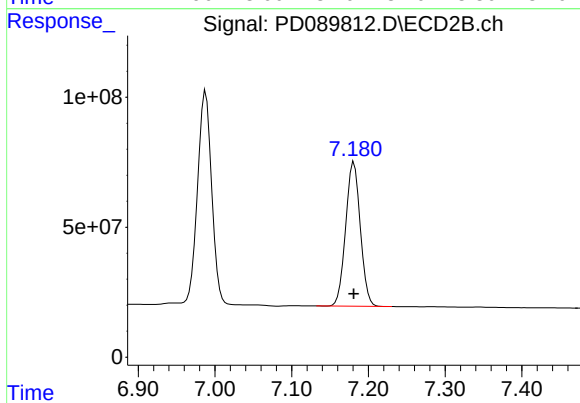
#21 Endrin ketone

R.T.: 6.988 min
Delta R.T.: 0.000 min
Response: 1046851099
Conc: 52.16 ng/ml



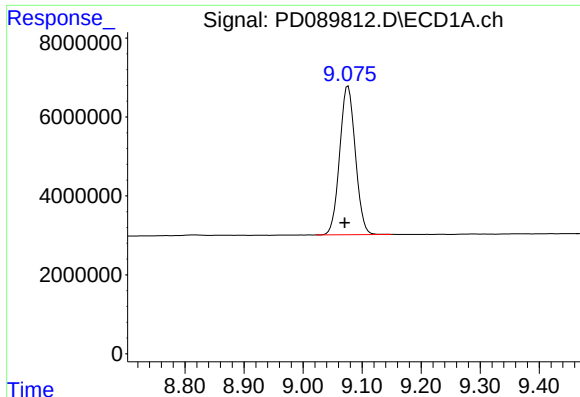
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.005 min
Response: 114845562
Conc: 41.19 ng/ml



#22 Mirex

R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 739732187
Conc: 48.60 ng/ml



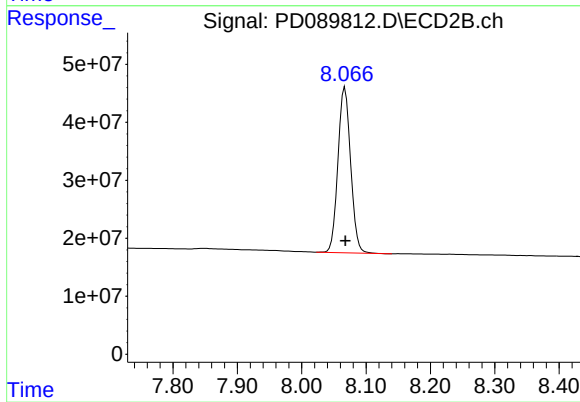
#28 Decachlorobiphenyl

R.T.: 9.076 min
Delta R.T.: 0.006 min
Response: 69294723
Conc: 18.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169173BS

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 08/12/2025



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 391487449
Conc: 19.50 ng/ml