

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072225\
 Data File : PD089578.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Jul 2025 14:42
 Operator : AR\AJ
 Sample : PB168906BSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB168906BSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/23/2025
 Supervised By : mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 01:51:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 22 04:39:29 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...	3.555	2.878	54256405	393.6E6	18.830	20.117
28)	SA Decachlor...	9.078	8.070	84303297	512.1E6	20.527	20.845
Target Compounds							
2)	A alpha-BHC	4.004	3.390	56886279	354.7E6	9.963	11.807
3)	MA gamma-BHC...	4.335	3.726	58055480	324.5E6	10.522	11.689
4)	MA Heptachlor	4.933	4.080	58605843	335.6E6	10.746	11.978
5)	MB Aldrin	5.275	4.365	57011138	324.8E6	10.895	11.860
6)	B beta-BHC	4.521	4.023	25028087	145.9E6	11.608	12.258
7)	B delta-BHC	4.768	4.259	55228725	335.9E6	10.450m	12.043
8)	B Heptachlo...	5.695	4.869	53040799	306.6E6	11.229	12.333
9)	A Endosulfan I	6.078	5.243	49541795	288.4E6	11.144	12.146
10)	B gamma-Chl...	5.950	5.122	51908866	326.1E6	10.949	12.188
11)	B alpha-Chl...	6.031	5.187	52721529	314.3E6	11.060	12.185
12)	B 4,4'-DDE	6.200	5.372	45765104	319.1E6	10.658	12.153
13)	MA Dieldrin	6.351	5.510	51504752	319.7E6	10.910	12.098
14)	MA Endrin	6.579	5.786	44240386	295.1E6	10.863	12.204
15)	B Endosulfa...	6.791	6.078	46433559	285.9E6	11.412	12.447
16)	A 4,4'-DDD	6.710	5.927	37050927	268.9E6	10.934	12.265
17)	MA 4,4'-DDT	7.026	6.181	41554471	282.1E6	11.014	12.054
18)	B Endrin al...	6.919	6.257	35070655	213.6E6	12.029	12.869
19)	B Endosulfa...	7.154	6.480	43169248	275.4E6	11.438	12.404
20)	A Methoxychlor	7.498	6.752	23957645	151.2E6	11.950	12.403
21)	B Endrin ke...	7.634	6.989	45938291	306.0E6	11.415	12.497
22)	Mirex	8.118	7.183	36053376	230.6E6	11.720	11.932

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072225\
Data File : PD089578.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 14:42
Operator : AR\AJ
Sample : PB168906BSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

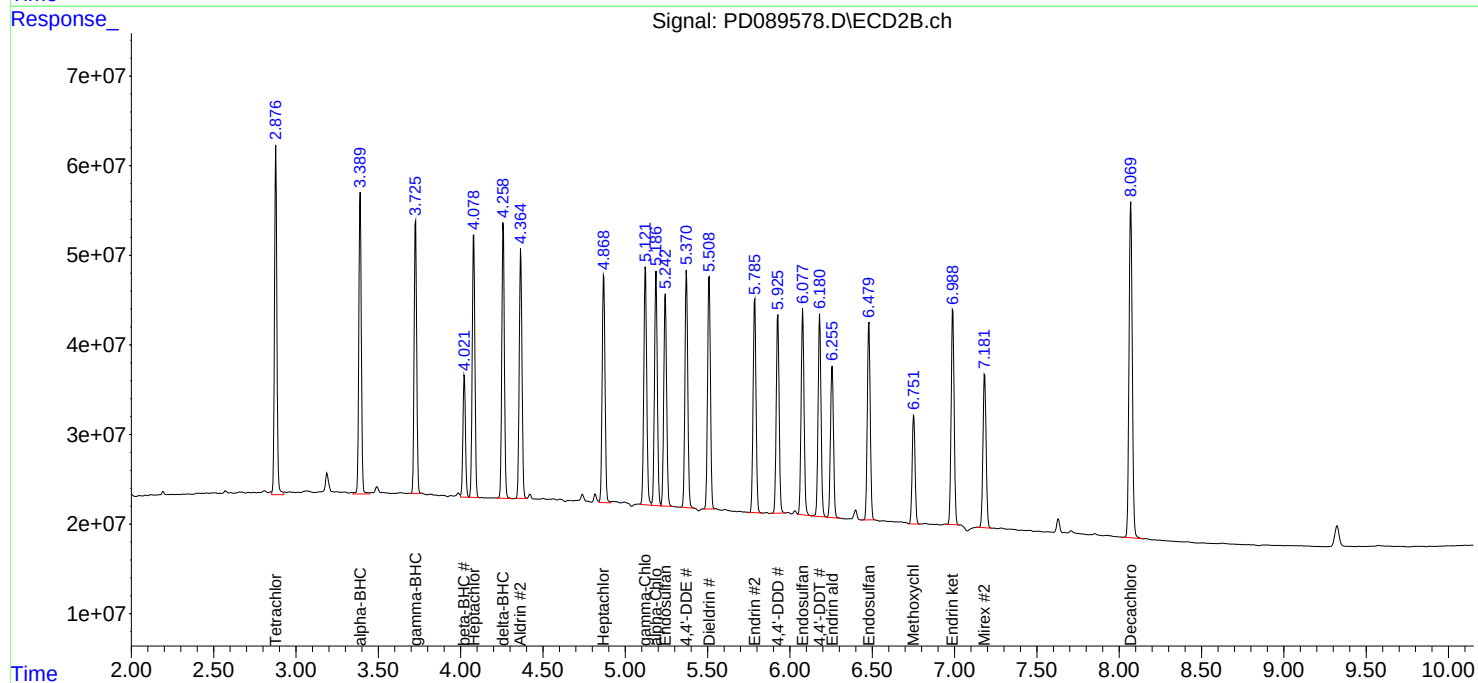
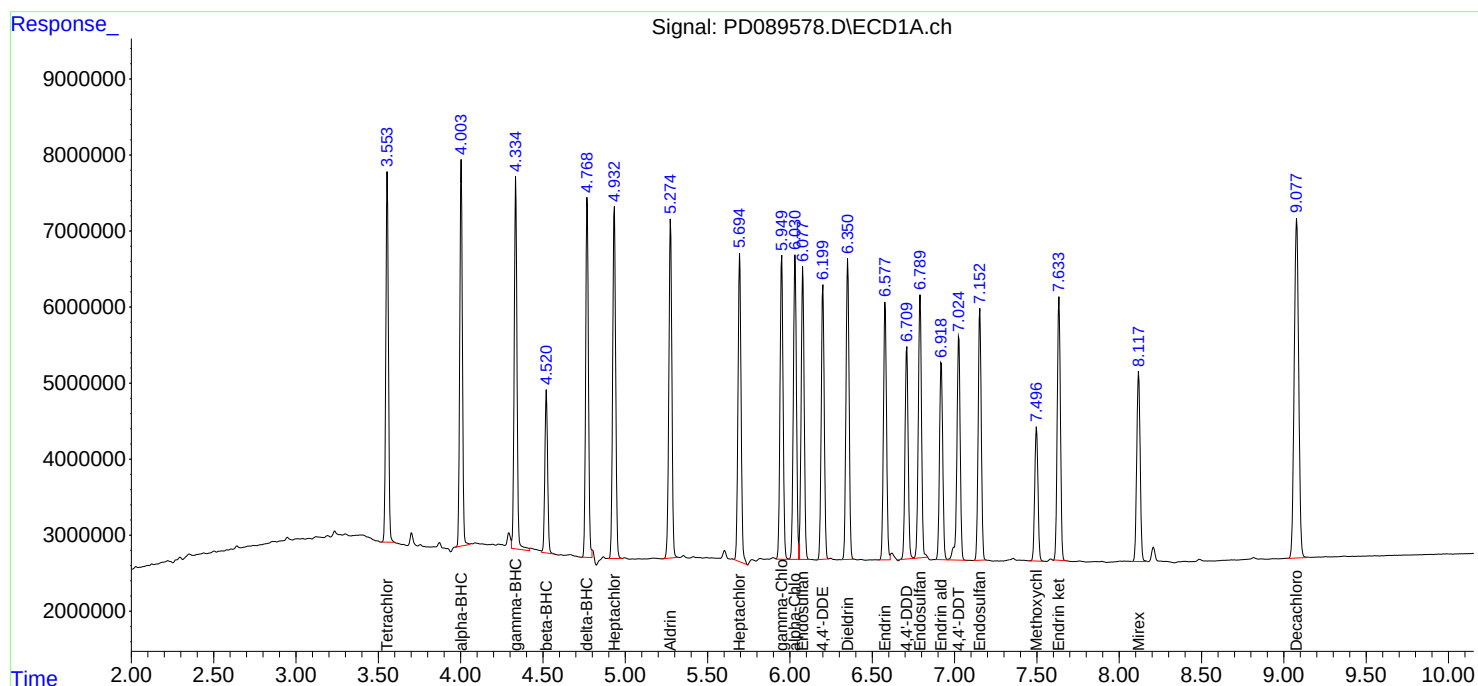
Instrument :
ECD_D
ClientSampleId :
PB168906BSD

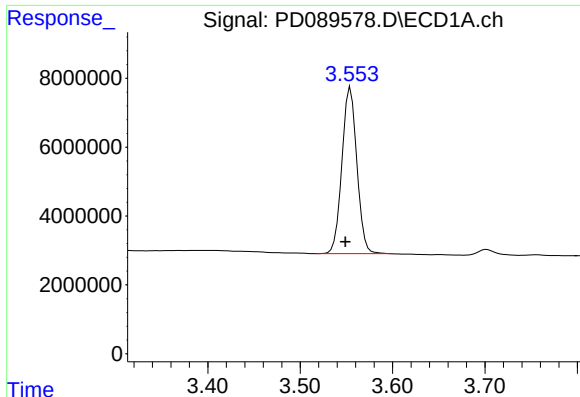
Manual Integrations
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Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:51:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 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





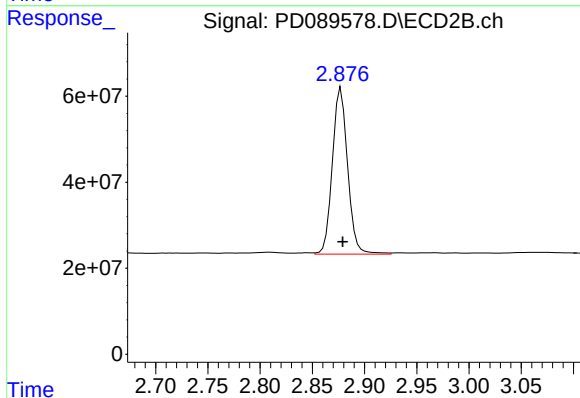
#1 Tetrachloro-m-xylene

R.T.: 3.555 min
Delta R.T.: 0.006 min
Response: 54256405
Conc: 18.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168906BSD

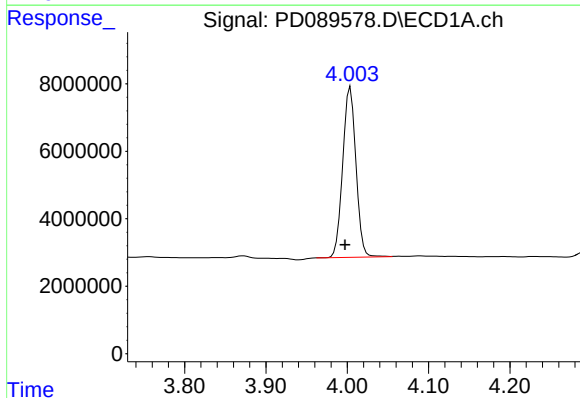
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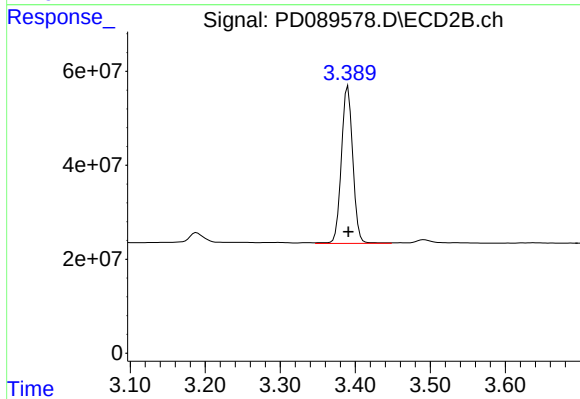
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: -0.002 min
Response: 393610490
Conc: 20.12 ng/ml



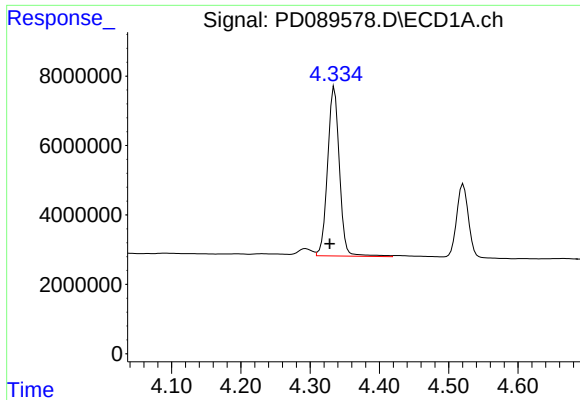
#2 alpha-BHC

R.T.: 4.004 min
Delta R.T.: 0.007 min
Response: 56886279
Conc: 9.96 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 354737102
Conc: 11.81 ng/ml



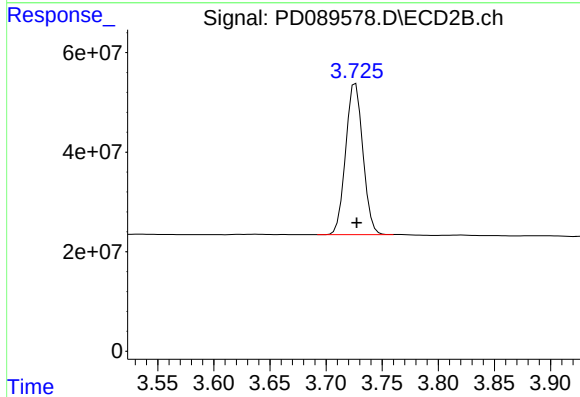
#3 gamma-BHC (Lindane)

R.T.: 4.335 min
Delta R.T.: 0.007 min
Response: 58055480
Conc: 10.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168906BSD

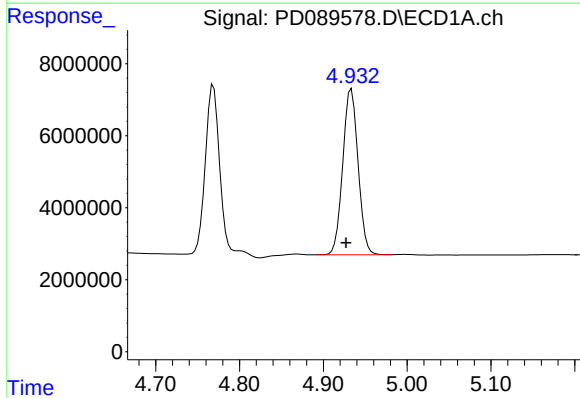
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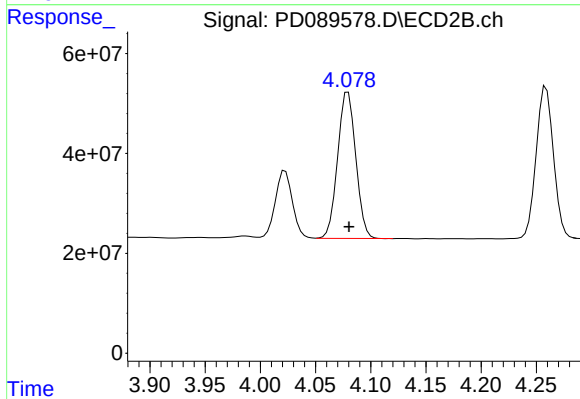
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: -0.001 min
Response: 324500209
Conc: 11.69 ng/ml



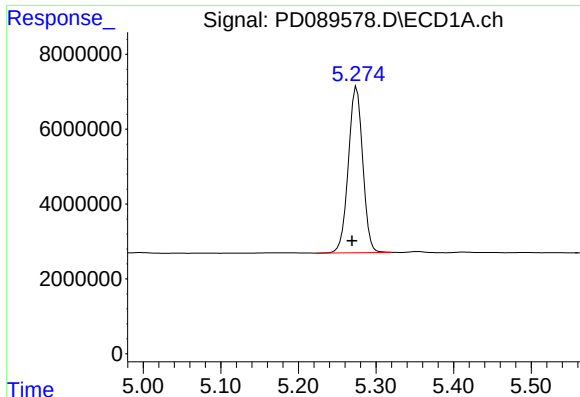
#4 Heptachlor

R.T.: 4.933 min
Delta R.T.: 0.006 min
Response: 58605843
Conc: 10.75 ng/ml



#4 Heptachlor

R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 335604634
Conc: 11.98 ng/ml



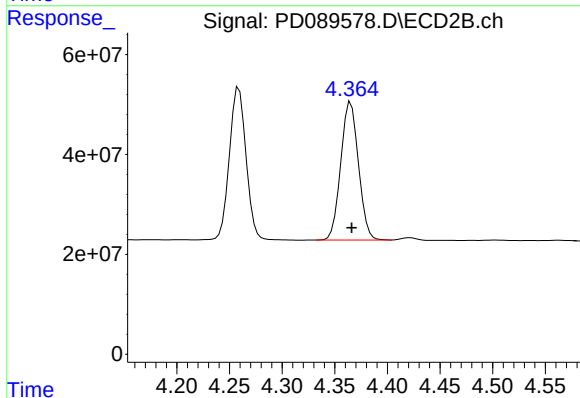
#5 Aldrin

R.T.: 5.275 min
Delta R.T.: 0.006 min
Response: 57011138
Conc: 10.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168906BSD

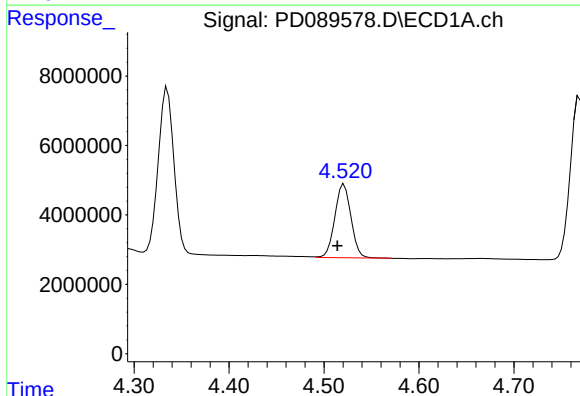
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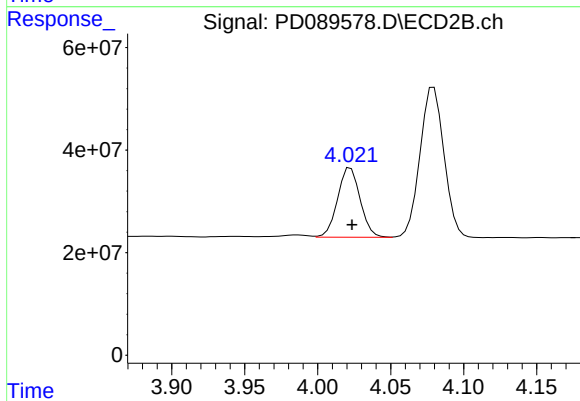
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 324788577
Conc: 11.86 ng/ml



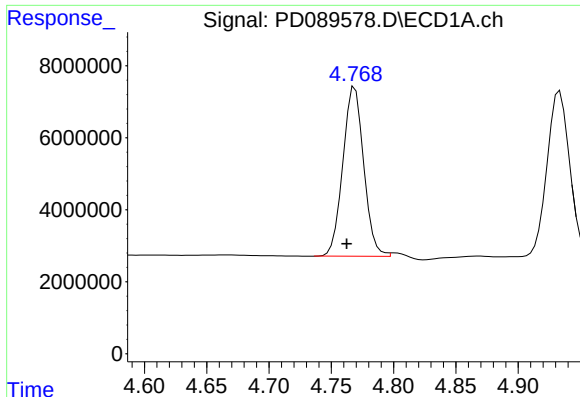
#6 beta-BHC

R.T.: 4.521 min
Delta R.T.: 0.007 min
Response: 25028087
Conc: 11.61 ng/ml



#6 beta-BHC

R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 145898564
Conc: 12.26 ng/ml



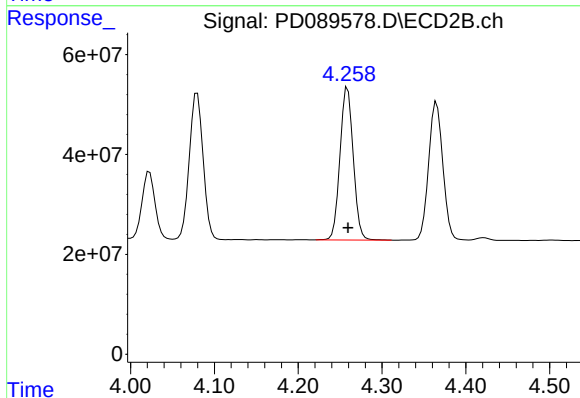
#7 delta-BHC

R.T.: 4.768 min
Delta R.T.: 0.005 min
Response: 55228725
Conc: 10.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168906BSD

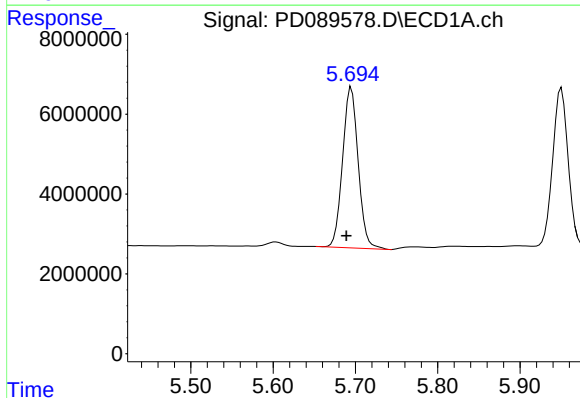
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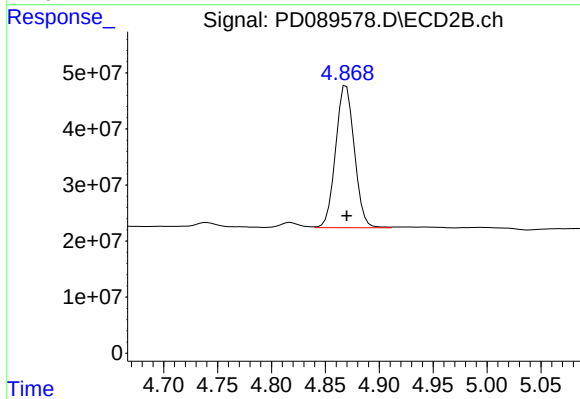
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 335945614
Conc: 12.04 ng/ml



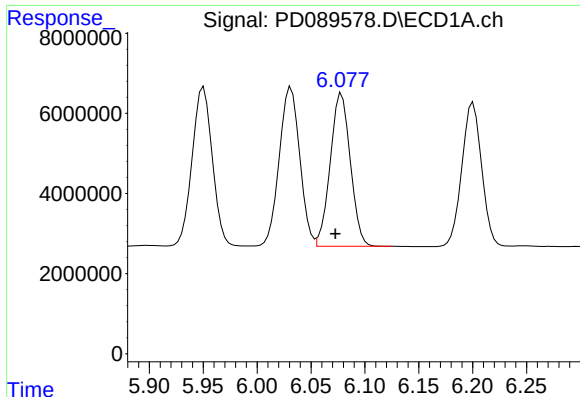
#8 Heptachlor epoxide

R.T.: 5.695 min
Delta R.T.: 0.006 min
Response: 53040799
Conc: 11.23 ng/ml



#8 Heptachlor epoxide

R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 306606151
Conc: 12.33 ng/ml



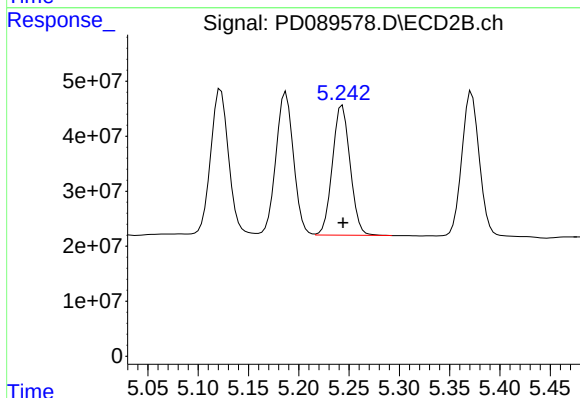
#9 Endosulfan I

R.T.: 6.078 min
Delta R.T.: 0.006 min
Response: 49541795
Conc: 11.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168906BSD

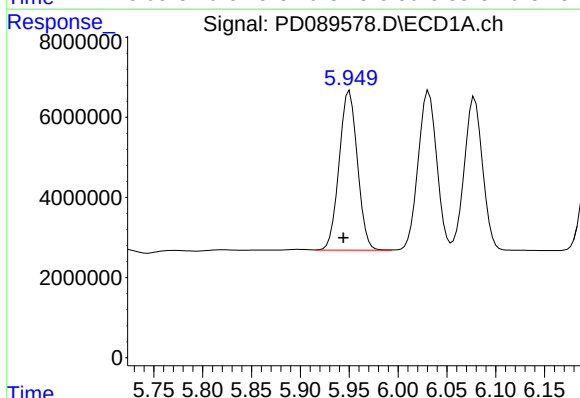
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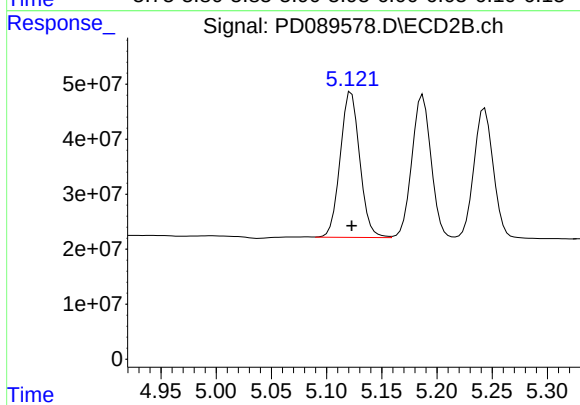
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 288408798
Conc: 12.15 ng/ml



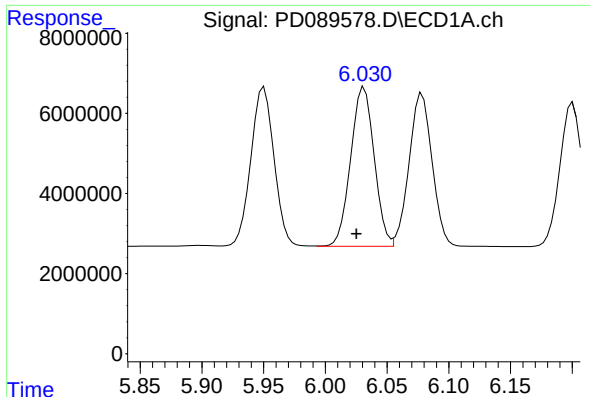
#10 gamma-Chlordane

R.T.: 5.950 min
Delta R.T.: 0.006 min
Response: 51908866
Conc: 10.95 ng/ml



#10 gamma-Chlordane

R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 326066672
Conc: 12.19 ng/ml



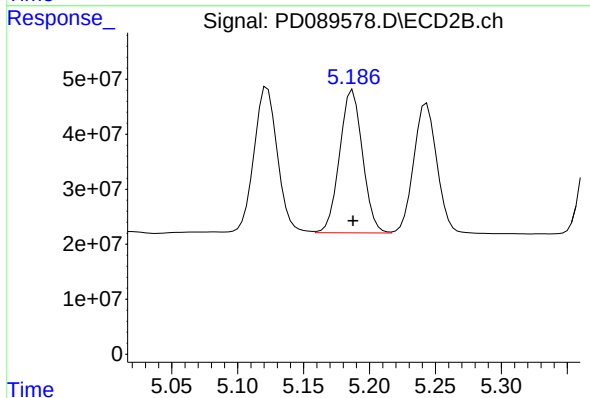
#11 alpha-Chlordane

R.T.: 6.031 min
Delta R.T.: 0.006 min
Response: 52721529
Conc: 11.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168906BSD

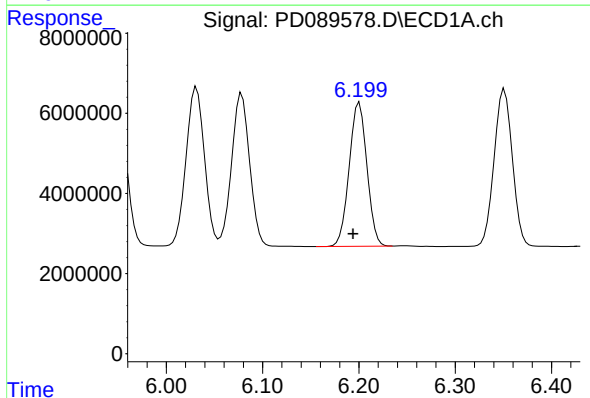
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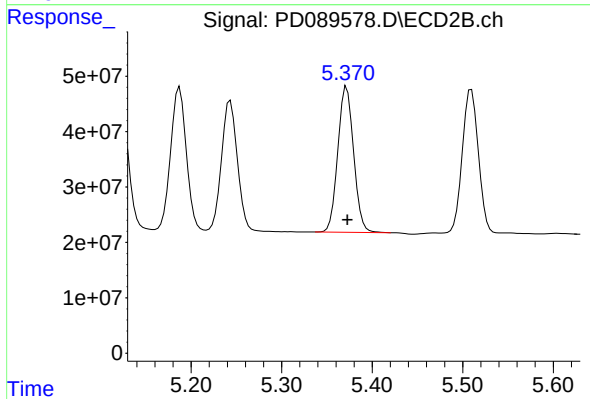
#11 alpha-Chlordane

R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 314272177
Conc: 12.18 ng/ml



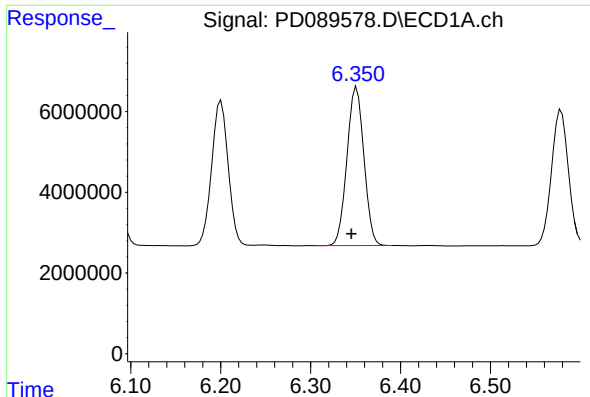
#12 4,4'-DDE

R.T.: 6.200 min
Delta R.T.: 0.007 min
Response: 45765104
Conc: 10.66 ng/ml



#12 4,4'-DDE

R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 319081788
Conc: 12.15 ng/ml



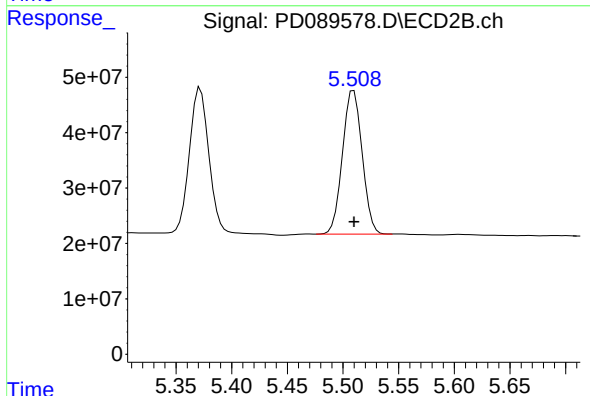
#13 Dieldrin

R.T.: 6.351 min
Delta R.T.: 0.006 min
Response: 51504752
Conc: 10.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168906BSD

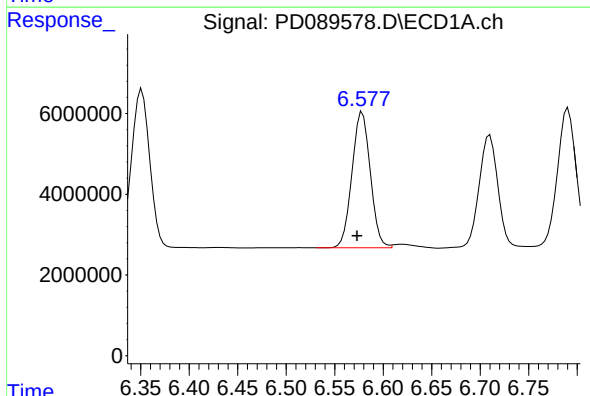
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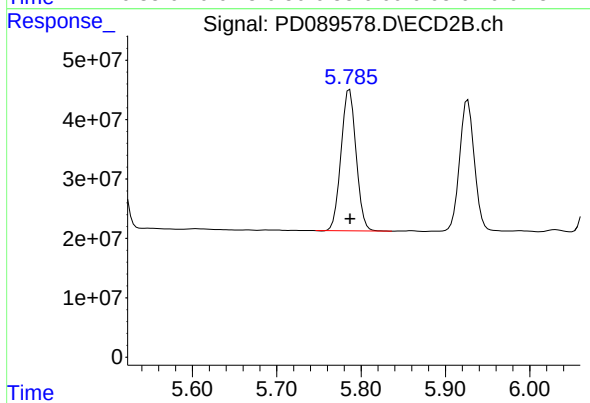
#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: 0.000 min
Response: 319719152
Conc: 12.10 ng/ml



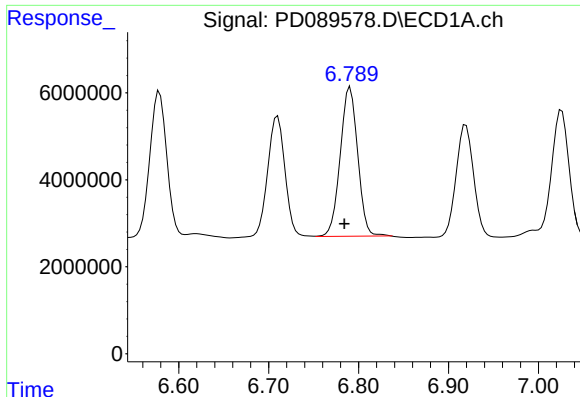
#14 Endrin

R.T.: 6.579 min
Delta R.T.: 0.006 min
Response: 44240386
Conc: 10.86 ng/ml



#14 Endrin

R.T.: 5.786 min
Delta R.T.: 0.000 min
Response: 295123137
Conc: 12.20 ng/ml



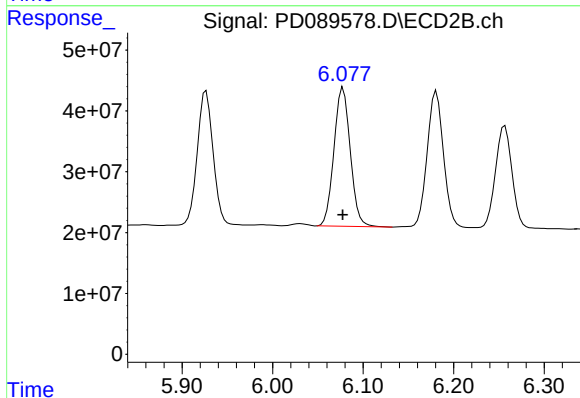
#15 Endosulfan II

R.T.: 6.791 min
Delta R.T.: 0.006 min
Response: 46433559
Conc: 11.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168906BSD

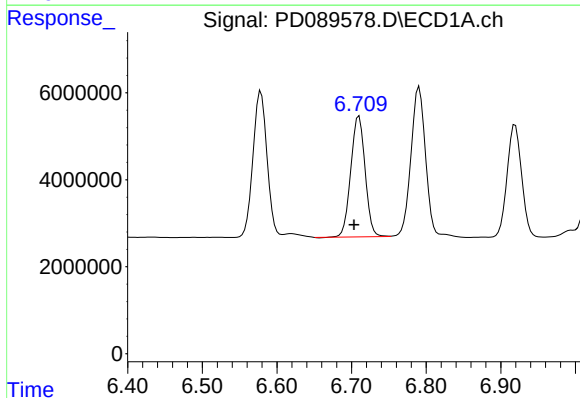
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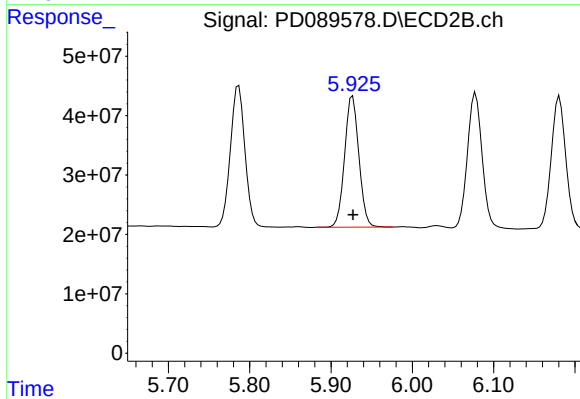
#15 Endosulfan II

R.T.: 6.078 min
Delta R.T.: 0.000 min
Response: 285891513
Conc: 12.45 ng/ml



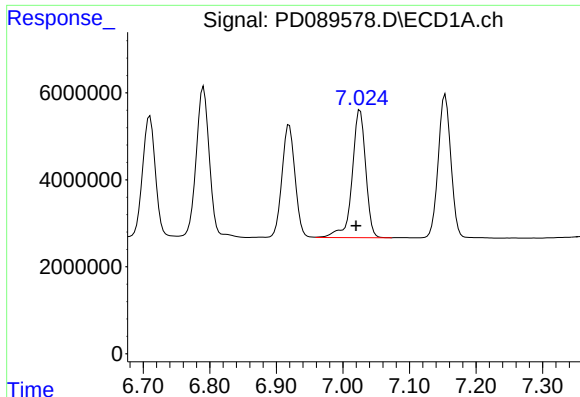
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.007 min
Response: 37050927
Conc: 10.93 ng/ml



#16 4,4'-DDD

R.T.: 5.927 min
Delta R.T.: 0.000 min
Response: 268872291
Conc: 12.27 ng/ml



#17 4,4'-DDT

R.T.: 7.026 min
Delta R.T.: 0.006 min
Response: 41554471
Conc: 11.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168906BSD

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#17 4,4'-DDT

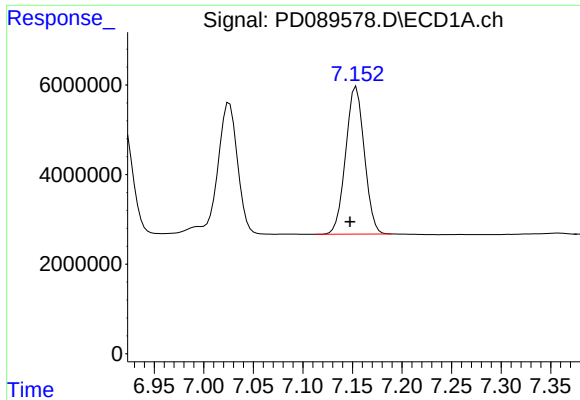
R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 282149704
Conc: 12.05 ng/ml

#18 Endrin aldehyde

R.T.: 6.919 min
Delta R.T.: 0.006 min
Response: 35070655
Conc: 12.03 ng/ml

#18 Endrin aldehyde

R.T.: 6.257 min
Delta R.T.: 0.000 min
Response: 213591679
Conc: 12.87 ng/ml



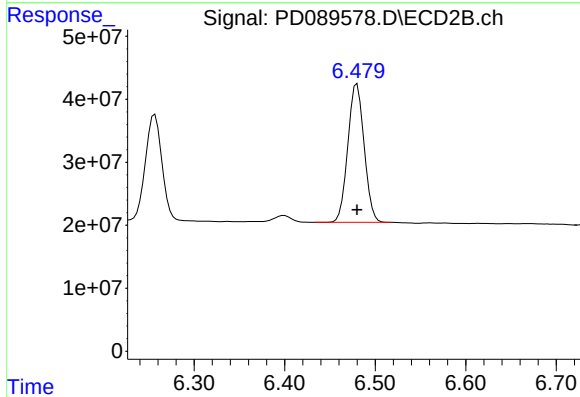
#19 Endosulfan Sulfate

R.T.: 7.154 min
Delta R.T.: 0.006 min
Response: 43169248
Conc: 11.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168906BSD

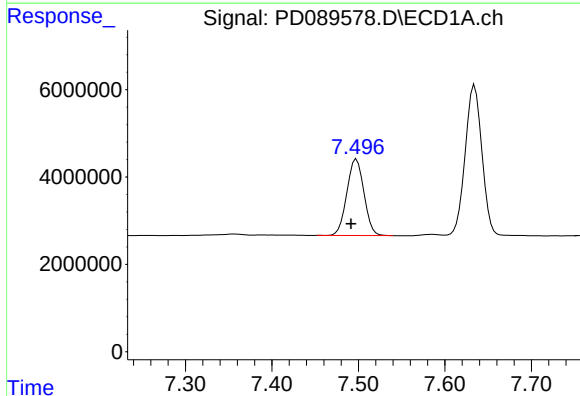
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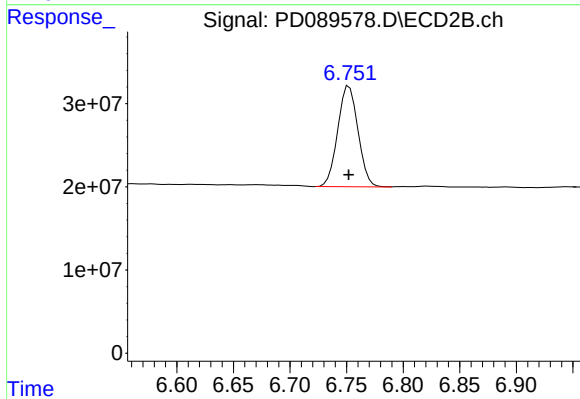
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: 0.000 min
Response: 275350024
Conc: 12.40 ng/ml



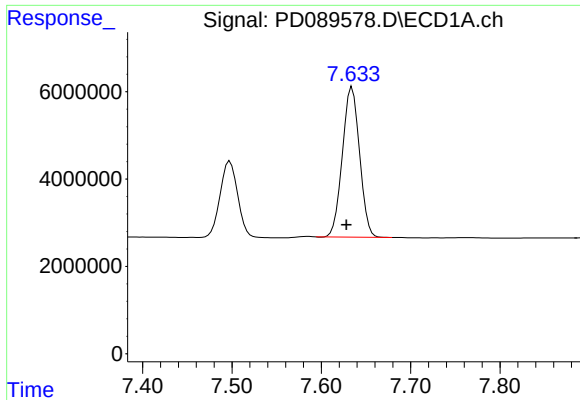
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.006 min
Response: 23957645
Conc: 11.95 ng/ml



#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: 0.000 min
Response: 151214604
Conc: 12.40 ng/ml



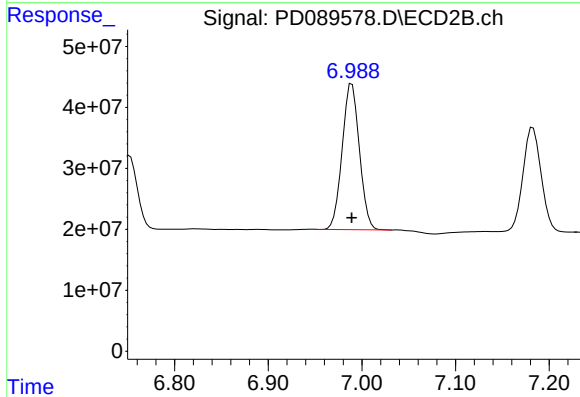
#21 Endrin ketone

R.T.: 7.634 min
Delta R.T.: 0.006 min
Response: 45938291
Conc: 11.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168906BSD

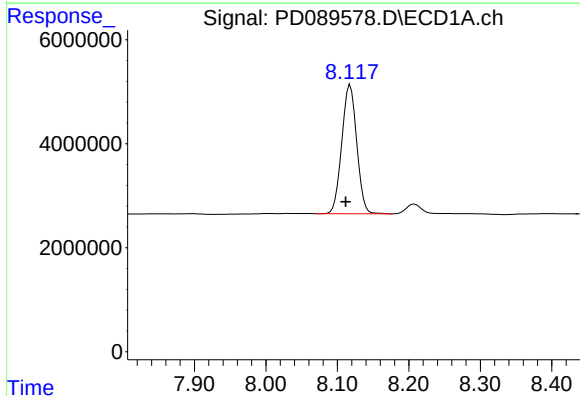
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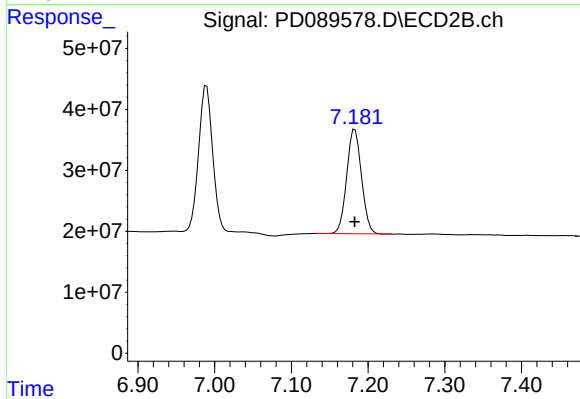
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 306038394
Conc: 12.50 ng/ml



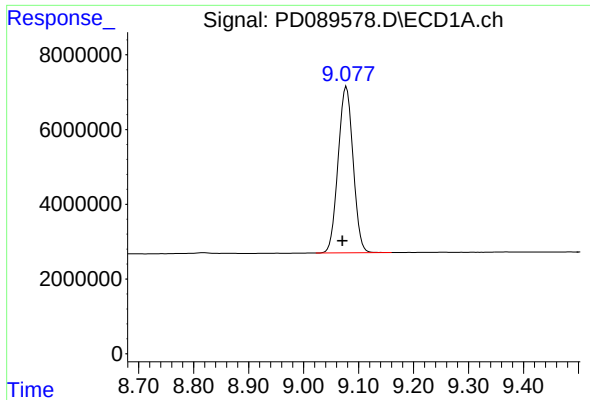
#22 Mirex

R.T.: 8.118 min
Delta R.T.: 0.006 min
Response: 36053376
Conc: 11.72 ng/ml



#22 Mirex

R.T.: 7.183 min
Delta R.T.: 0.000 min
Response: 230636997
Conc: 11.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.078 min
Delta R.T.: 0.007 min
Response: 84303297
Conc: 20.53 ng/ml

Instrument :

ECD_D

ClientSampleId :

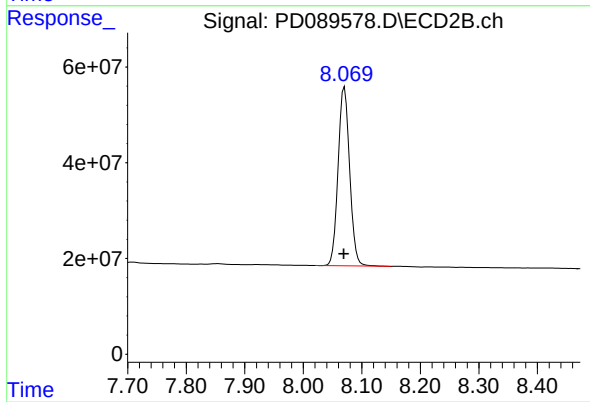
PB168906BSD

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 07/23/2025

Supervised By :mohammad ahmed 07/24/2025



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: 0.000 min
Response: 512127278
Conc: 20.84 ng/ml