

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
 Data File : PD089205.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Jun 2025 22:11
 Operator : AR\AJ
 Sample : PB168641BSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB168641BSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/30/2025
 Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 27 23:18:09 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	73082790	473.5E6	25.615	27.930
28)	SA Decachlor...	9.069	8.070	104.2E6	538.9E6	26.536	27.260
Target Compounds							
2)	A alpha-BHC	3.999	3.392	304.8E6	1398.9E6	52.288	52.205
3)	MA gamma-BHC...	4.330	3.728	288.5E6	1276.9E6	51.696	51.577
4)	MA Heptachlor	4.928	4.081	249.0E6	1142.4E6	45.674	45.625
5)	MB Aldrin	5.270	4.367	280.4E6	1266.0E6	52.784	52.277
6)	B beta-BHC	4.515	4.024	110.5E6	555.8E6	50.068	51.719
7)	B delta-BHC	4.763	4.261	283.5E6	1300.2E6	55.230	52.270
8)	B Heptachlo...	5.689	4.871	249.8E6	1139.2E6	51.790	52.025
9)	A Endosulfan I	6.073	5.245	236.0E6	1095.3E6	52.368	52.550
10)	B gamma-Chl...	5.945	5.124	253.6E6	1256.8E6	52.968	52.537
11)	B alpha-Chl...	6.026	5.189	252.6E6	1184.1E6	52.200	51.717
12)	B 4,4'-DDE	6.194	5.373	230.2E6	1181.5E6	52.795	51.560
13)	MA Dieldrin	6.346	5.511	254.3E6	1194.1E6	53.014	51.451
14)	MA Endrin	6.573	5.786	191.3E6	993.7E6	46.380	45.764m
15)	B Endosulfa...	6.785	6.079	204.8E6	1040.6E6	50.726	51.523
16)	A 4,4'-DDD	6.703	5.928	196.0E6	1069.3E6	57.096	55.901
17)	MA 4,4'-DDT	7.019	6.182	142.2E6	758.3E6	37.549	37.393
18)	B Endrin al...	6.913	6.256	155.0E6	769.2E6	50.585	50.237
19)	B Endosulfa...	7.147	6.481	197.7E6	997.6E6	51.512	50.844
20)	A Methoxychlor	7.491	6.752	69204898	389.1E6	34.249	36.138
21)	B Endrin ke...	7.628	6.989	215.4E6	1134.3E6	52.877	52.509
22)	Mirex	8.112	7.183	149.9E6	816.8E6	49.299	48.975

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089205.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 22:11
Operator : AR\AJ
Sample : PB168641BSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

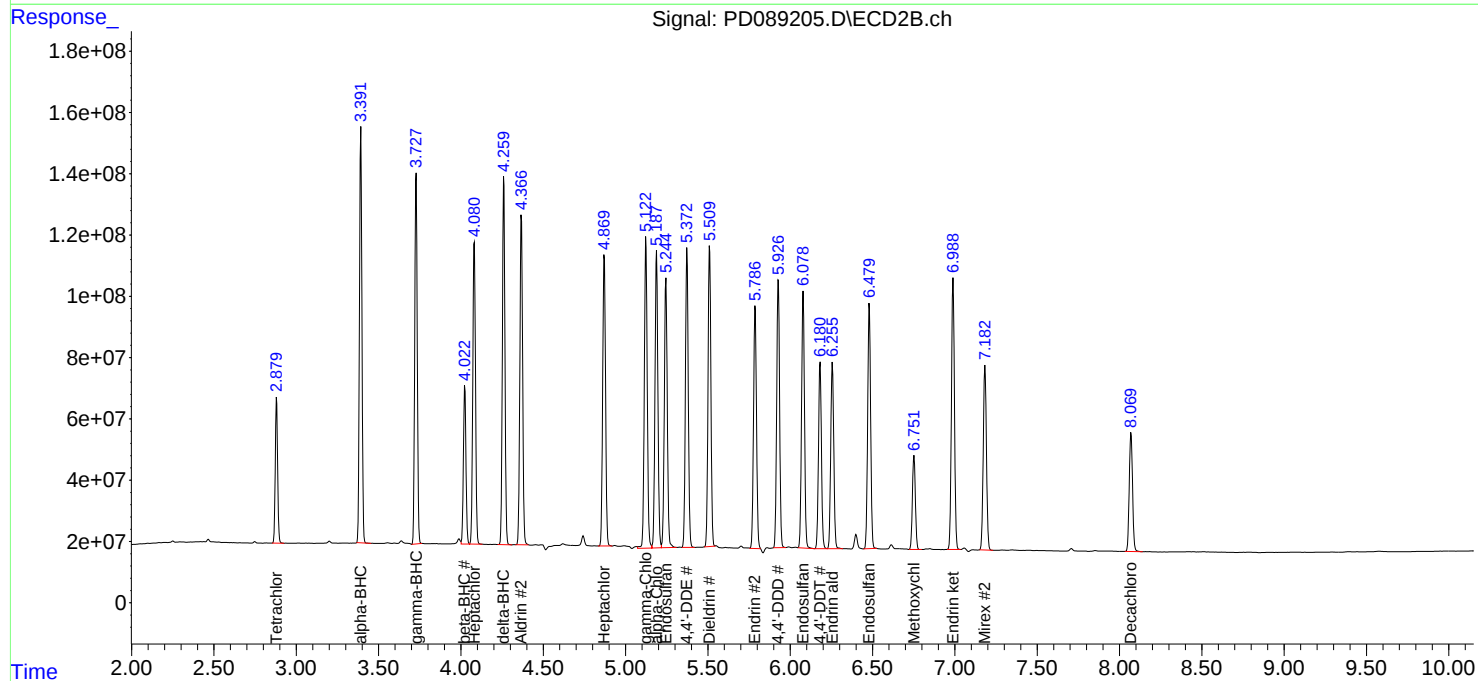
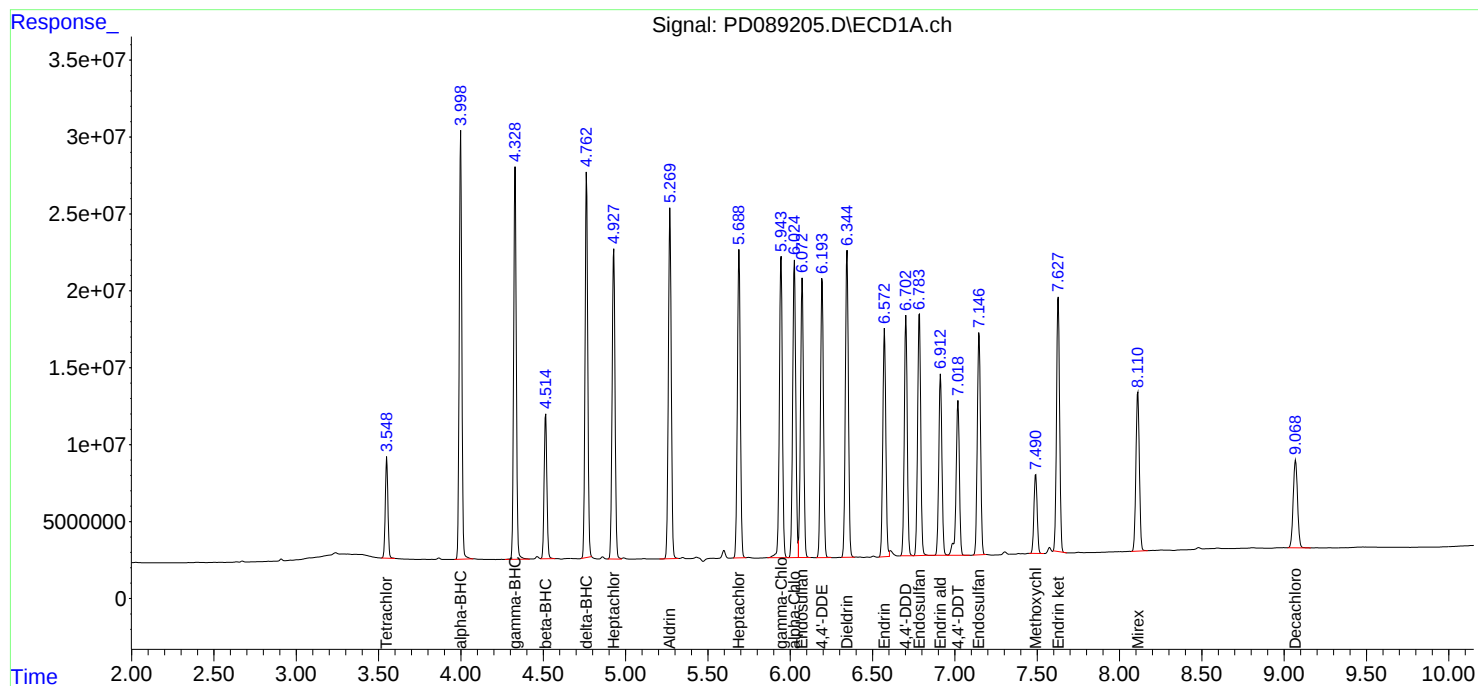
Instrument :
ECD_D
ClientSampleId :
PB168641BSD

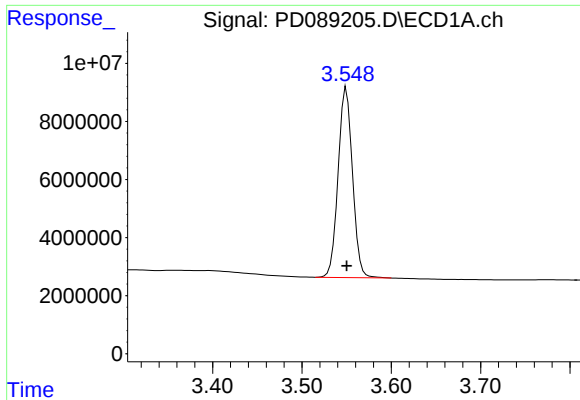
Manual Integrations
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Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 23:18:09 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





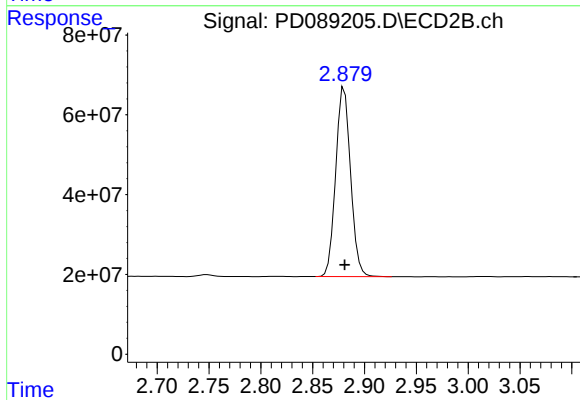
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 73082790
Conc: 25.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168641BSD

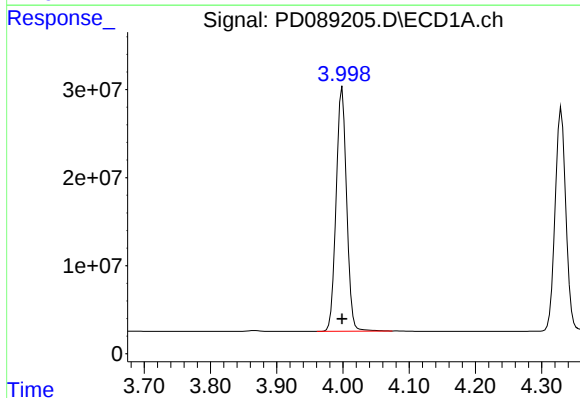
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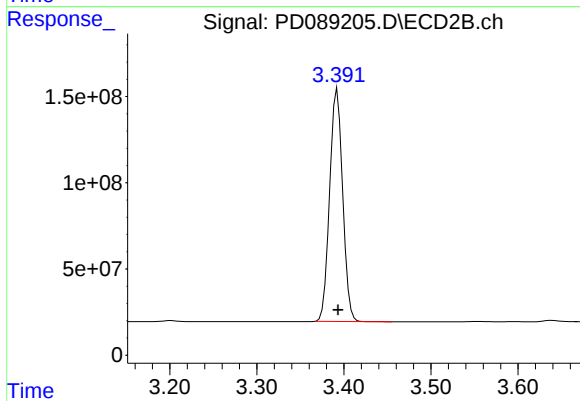
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 473497549
Conc: 27.93 ng/ml



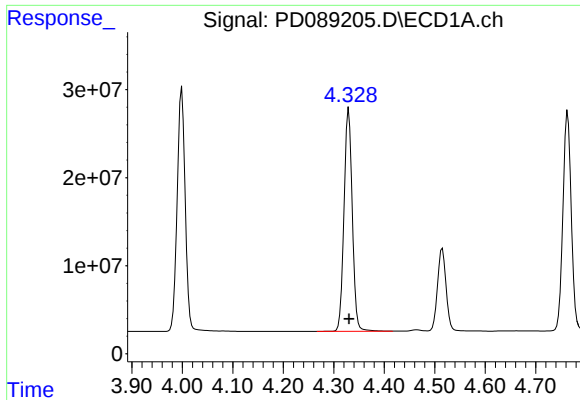
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 304787753
Conc: 52.29 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: 0.000 min
Response: 1398938230
Conc: 52.20 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 288548280
Conc: 51.70 ng/ml

Instrument :

ECD_D

ClientSampleId :

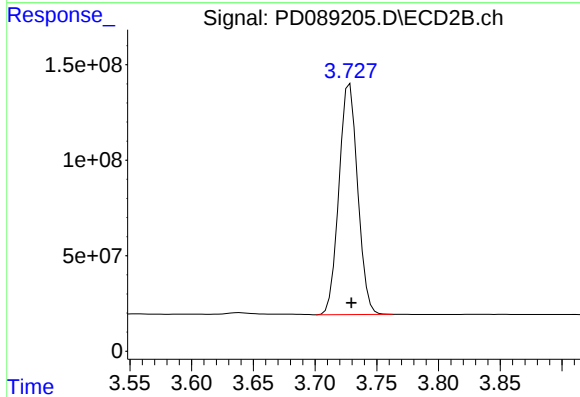
PB168641BSD

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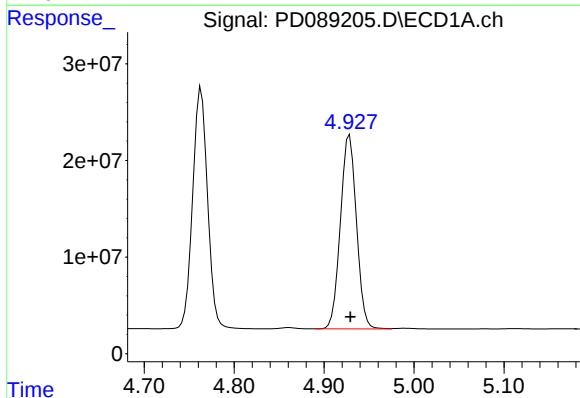
Reviewed By :Abdul Mirza 06/30/2025

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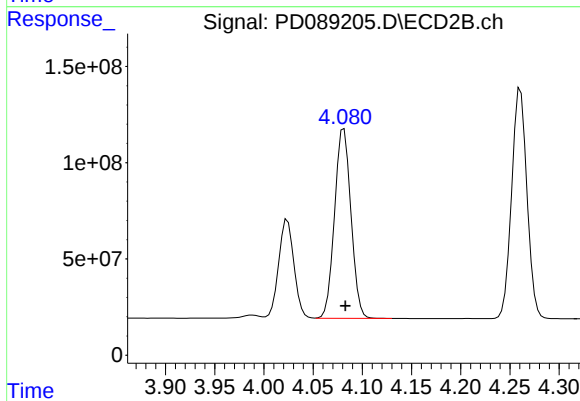
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.001 min
Response: 1276889840
Conc: 51.58 ng/ml



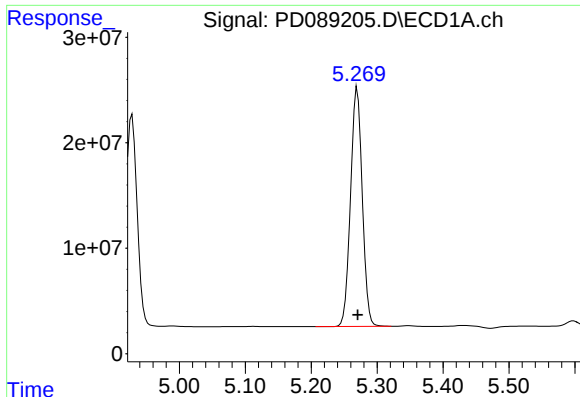
#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: -0.001 min
Response: 249010562
Conc: 45.67 ng/ml



#4 Heptachlor

R.T.: 4.081 min
Delta R.T.: -0.001 min
Response: 1142369346
Conc: 45.62 ng/ml



#5 Aldrin

R.T.: 5.270 min
Delta R.T.: -0.001 min
Response: 280441738
Conc: 52.78 ng/ml

Instrument :

ECD_D

ClientSampleId :

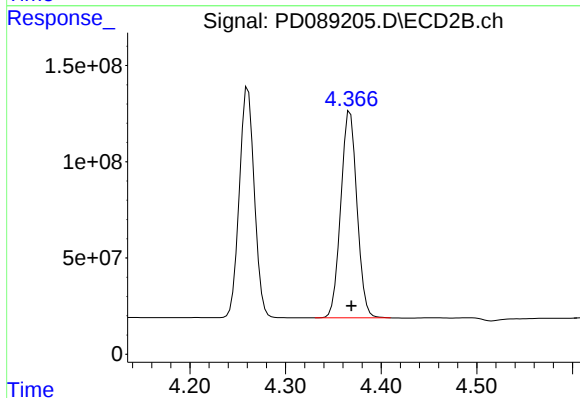
PB168641BSD

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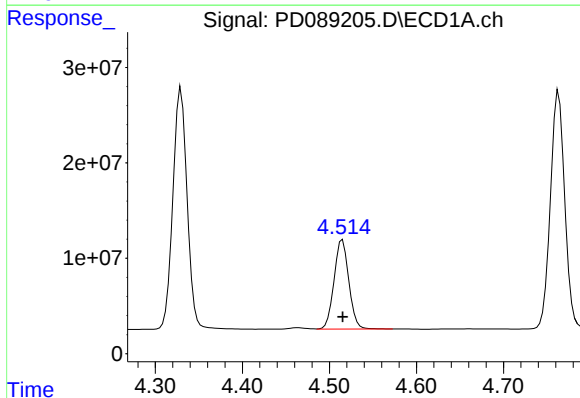
Reviewed By :Abdul Mirza 06/30/2025

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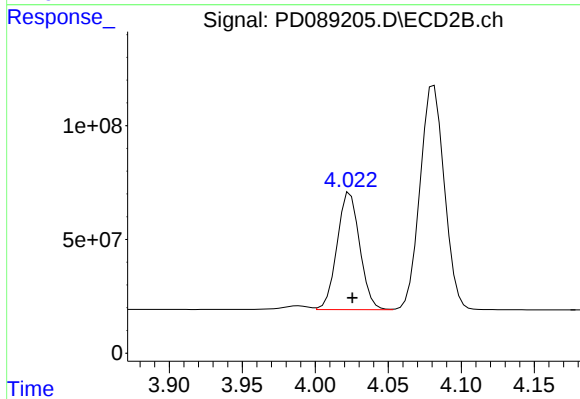
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: -0.001 min
Response: 1266013918
Conc: 52.28 ng/ml



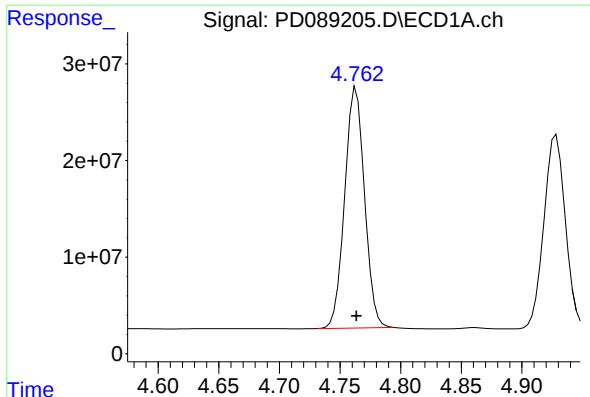
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 110507933
Conc: 50.07 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: -0.001 min
Response: 555782183
Conc: 51.72 ng/ml



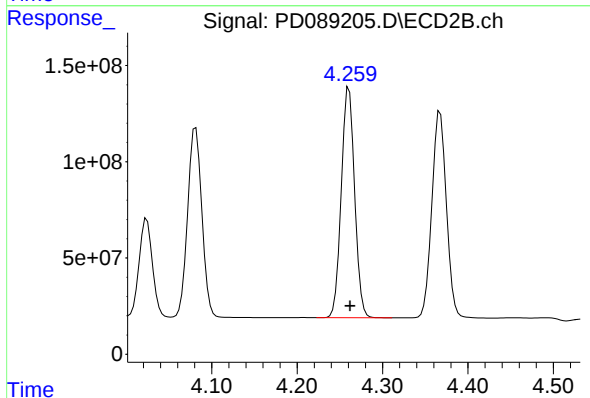
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 283492351
Conc: 55.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168641BSD

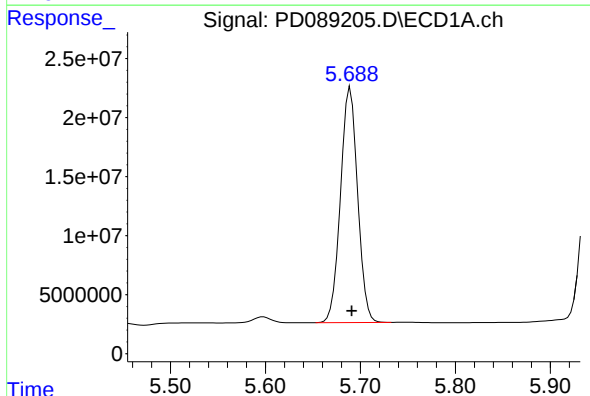
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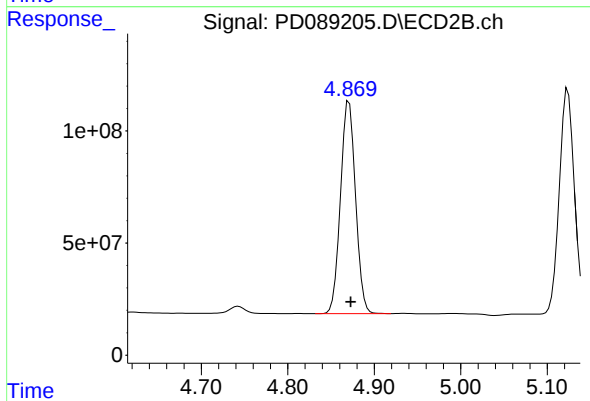
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: -0.001 min
Response: 1300154399
Conc: 52.27 ng/ml



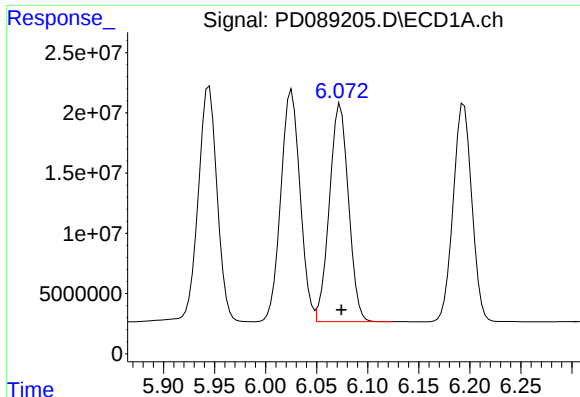
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: -0.001 min
Response: 249832479
Conc: 51.79 ng/ml



#8 Heptachlor epoxide

R.T.: 4.871 min
Delta R.T.: -0.002 min
Response: 1139240425
Conc: 52.02 ng/ml



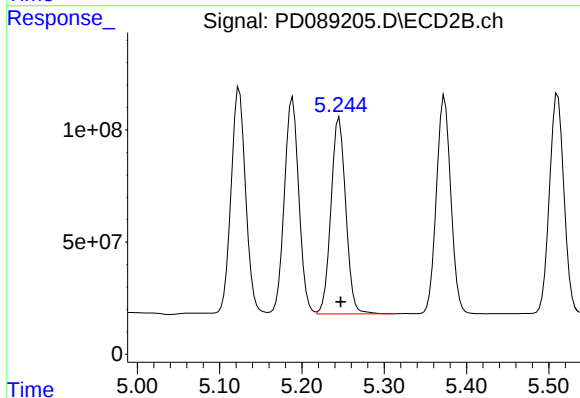
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 236044971
Conc: 52.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168641BSD

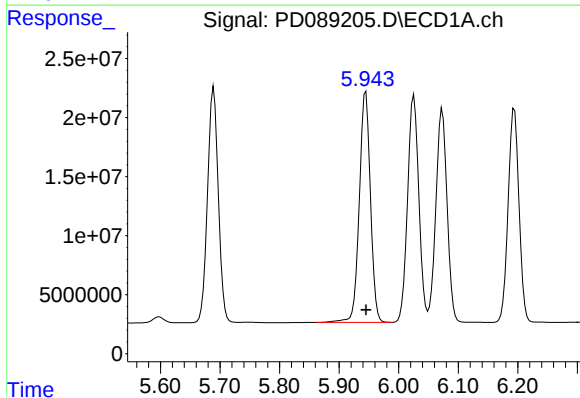
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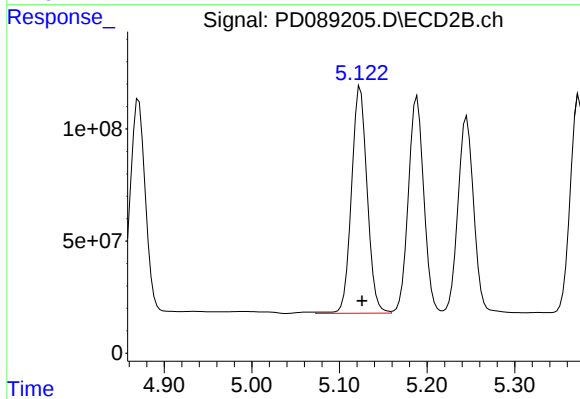
#9 Endosulfan I

R.T.: 5.245 min
Delta R.T.: -0.002 min
Response: 1095261994
Conc: 52.55 ng/ml



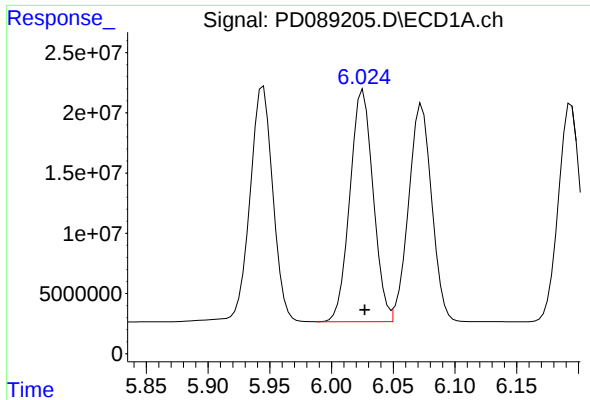
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 253615468
Conc: 52.97 ng/ml



#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 1256819167
Conc: 52.54 ng/ml



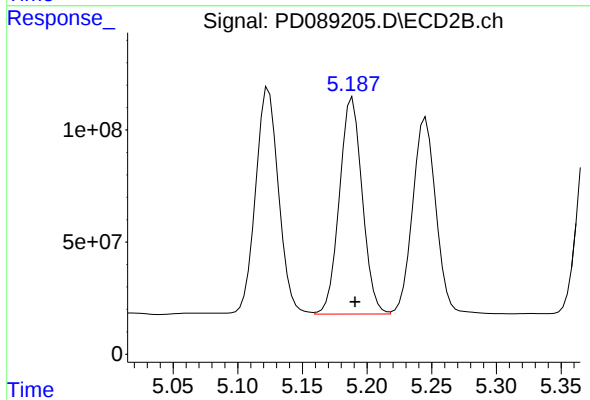
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: -0.001 min
Response: 252570181
Conc: 52.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168641BSD

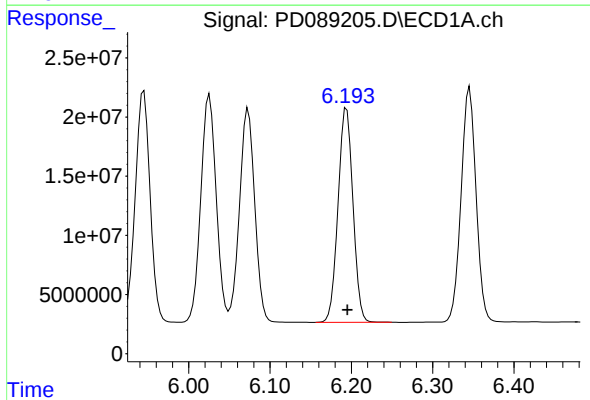
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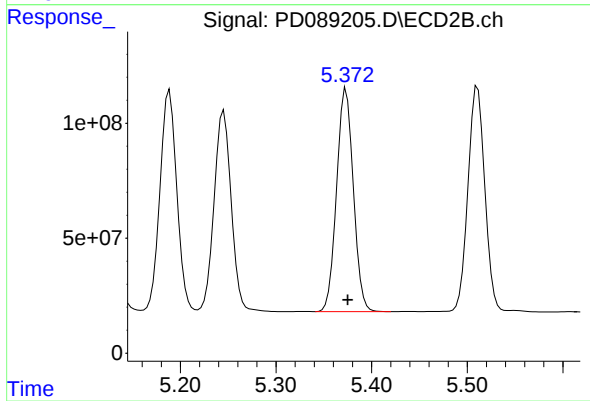
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: -0.002 min
Response: 1184145261
Conc: 51.72 ng/ml



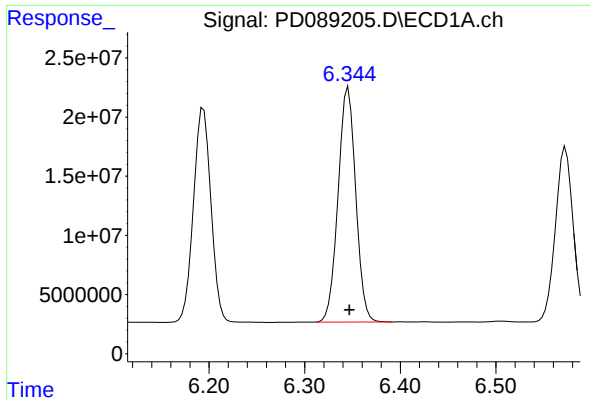
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: -0.001 min
Response: 230239209
Conc: 52.79 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 1181546806
Conc: 51.56 ng/ml



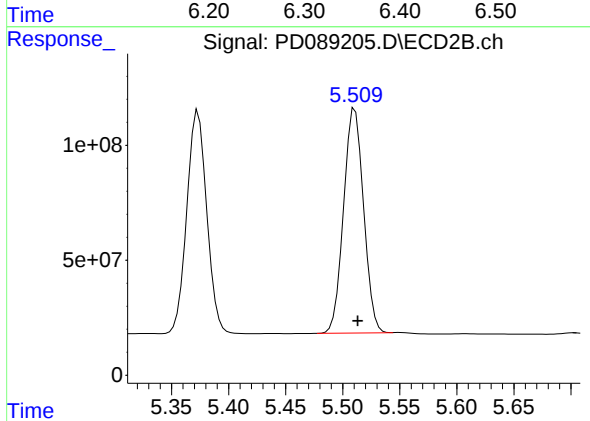
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: -0.001 min
Response: 254333155
Conc: 53.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168641BSD

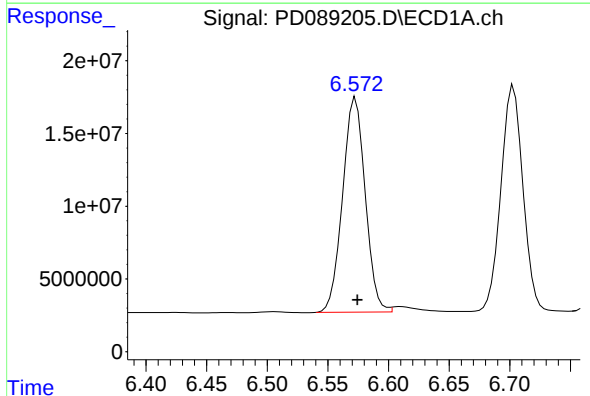
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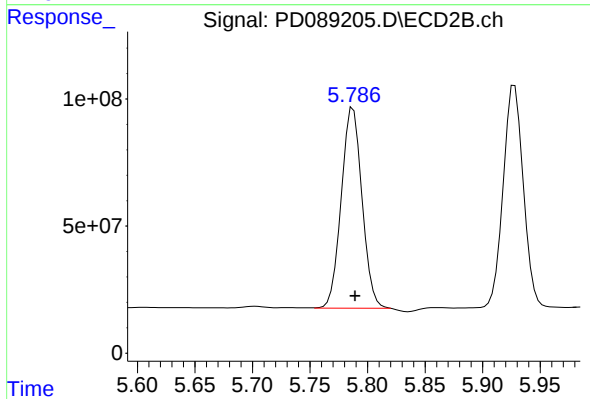
#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: -0.002 min
Response: 1194096020
Conc: 51.45 ng/ml



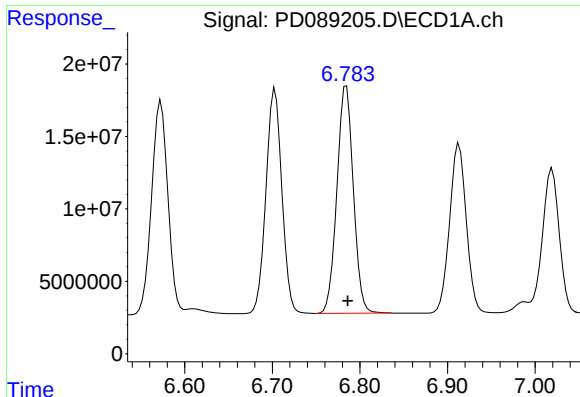
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.001 min
Response: 191344450
Conc: 46.38 ng/ml



#14 Endrin

R.T.: 5.786 min
Delta R.T.: -0.003 min
Response: 993722178
Conc: 45.76 ng/ml m



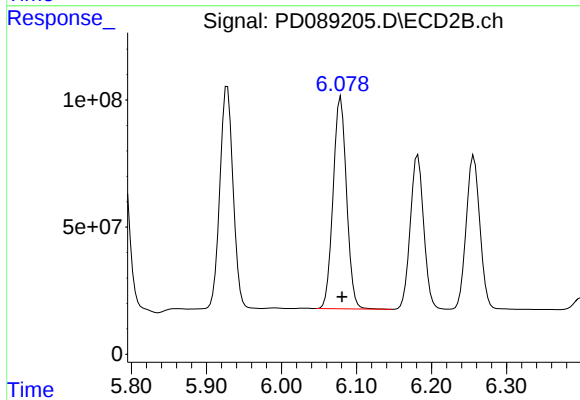
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: -0.002 min
Response: 204759538
Conc: 50.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168641BSD

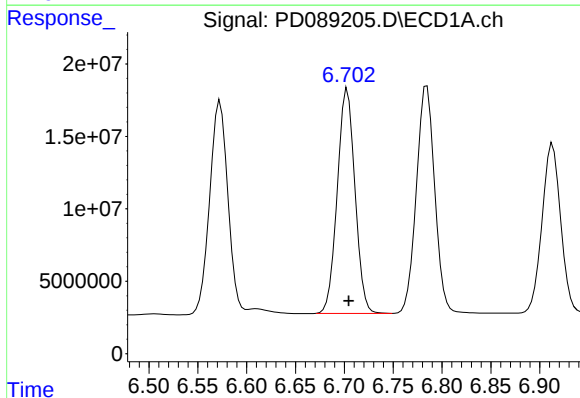
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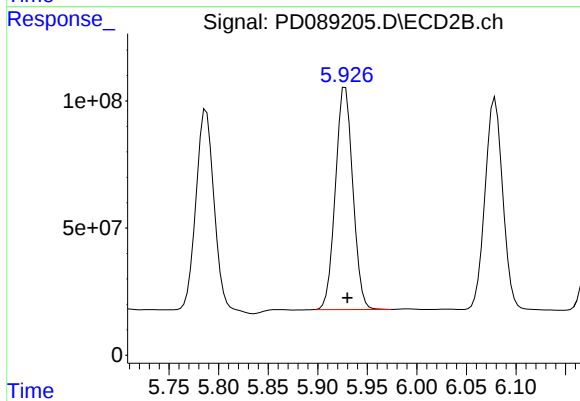
#15 Endosulfan II

R.T.: 6.079 min
Delta R.T.: -0.002 min
Response: 1040588251
Conc: 51.52 ng/ml



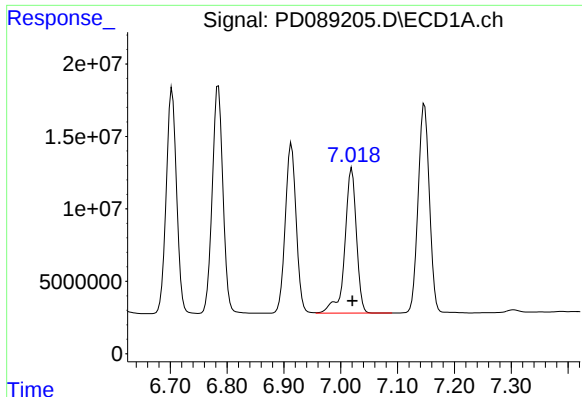
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: -0.001 min
Response: 195958118
Conc: 57.10 ng/ml



#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: -0.002 min
Response: 1069343166
Conc: 55.90 ng/ml



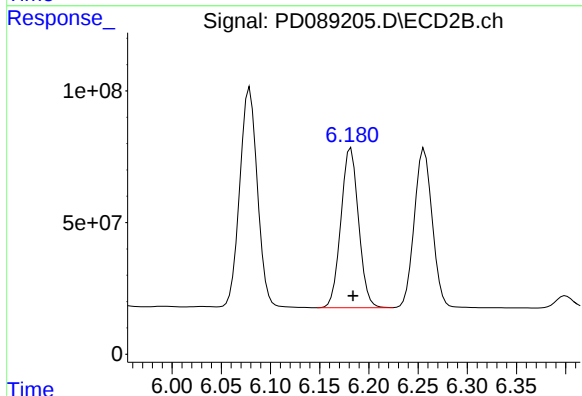
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: -0.001 min
Response: 142241896
Conc: 37.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168641BSD

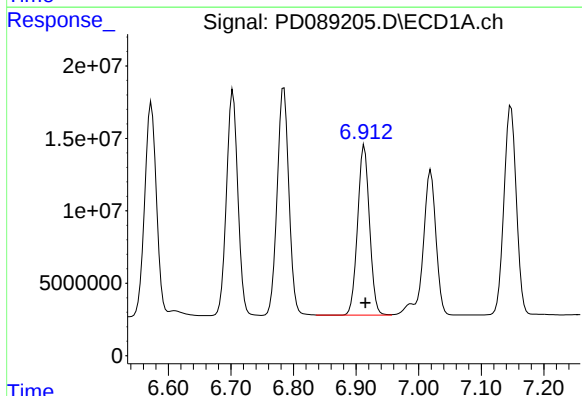
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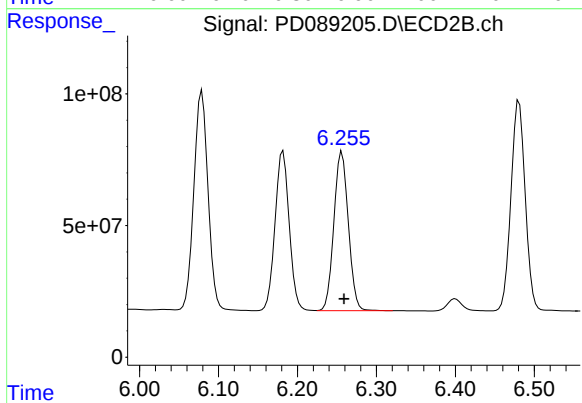
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 758313903
Conc: 37.39 ng/ml



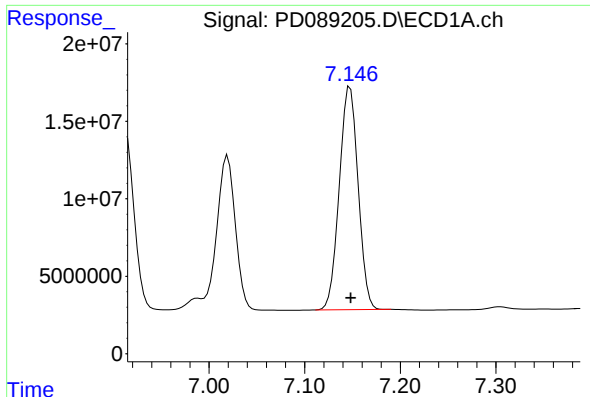
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: -0.001 min
Response: 154988136
Conc: 50.58 ng/ml



#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.003 min
Response: 769192754
Conc: 50.24 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 197661877
Conc: 51.51 ng/ml

Instrument :

ECD_D

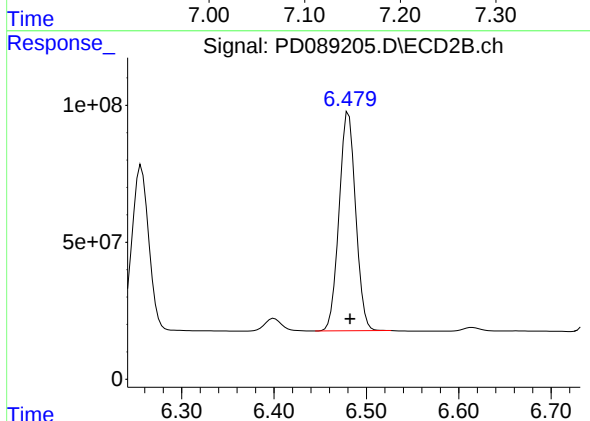
ClientSampleId :

PB168641BSD

Manual Integrations

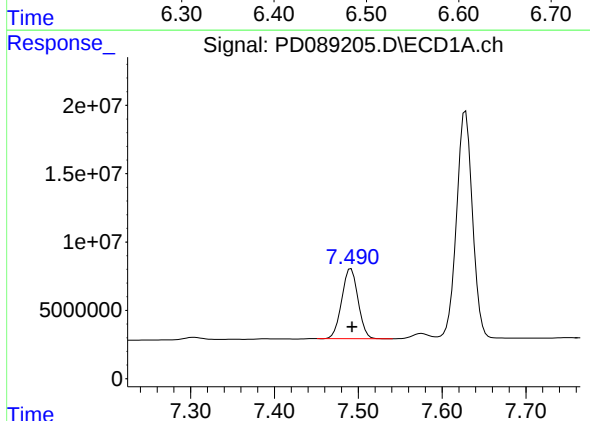
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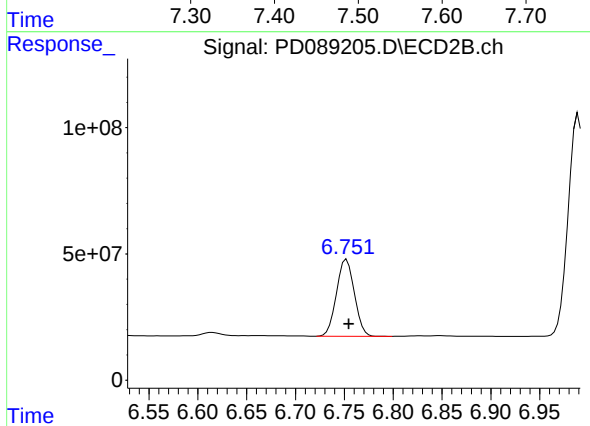
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: -0.002 min
Response: 997619633
Conc: 50.84 ng/ml



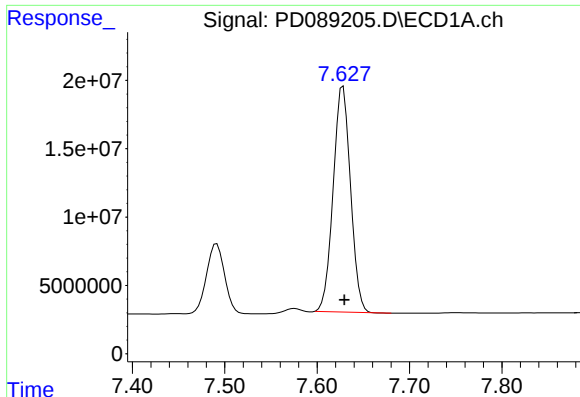
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: -0.001 min
Response: 69204898
Conc: 34.25 ng/ml



#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: -0.002 min
Response: 389139358
Conc: 36.14 ng/ml



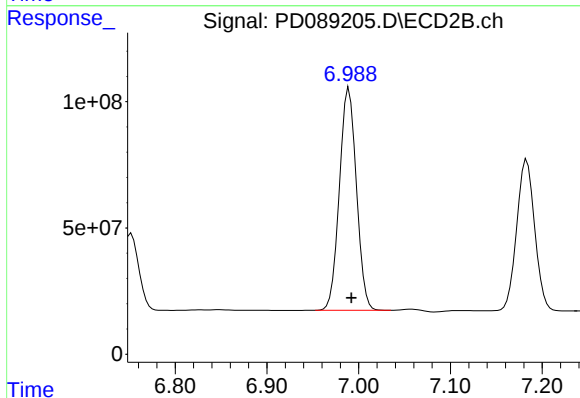
#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: -0.001 min
Response: 215373682
Conc: 52.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168641BSD

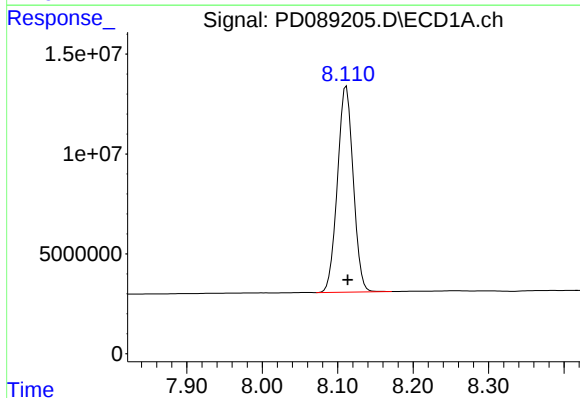
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/30/2025
Supervised By :mohammad ahmed 07/01/2025



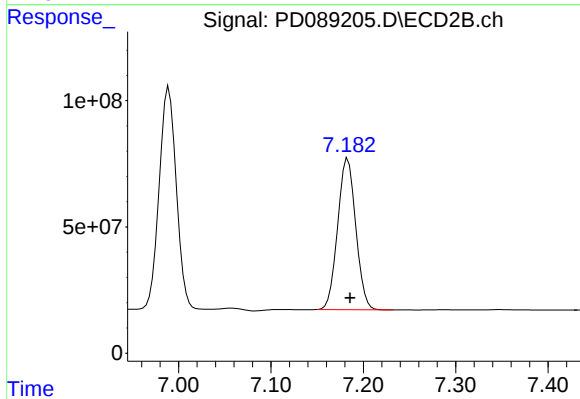
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 1134284094
Conc: 52.51 ng/ml



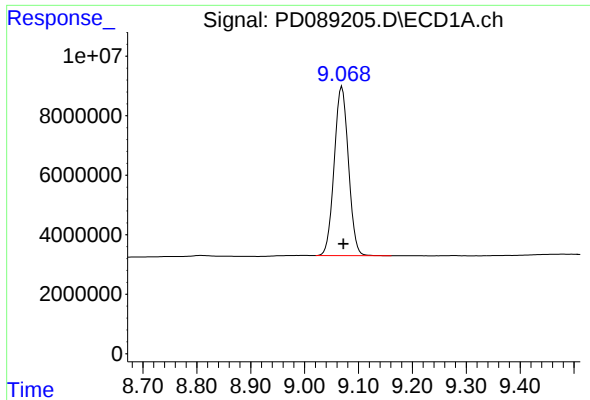
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.002 min
Response: 149875511
Conc: 49.30 ng/ml



#22 Mirex

R.T.: 7.183 min
Delta R.T.: -0.002 min
Response: 816816552
Conc: 48.98 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.003 min
Response: 104221795
Conc: 26.54 ng/ml

Instrument :

ECD_D

ClientSampleId :

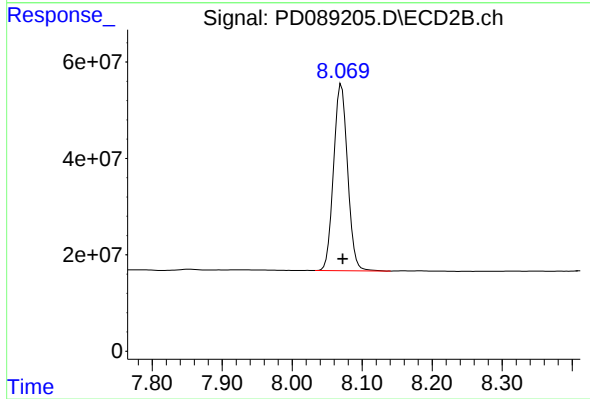
PB168641BSD

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#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 538920087
Conc: 27.26 ng/ml