

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042825\
 Data File : PD088301.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 12:21
 Operator : AR\AJ
 Sample : PB167742BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB167742BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 04/29/2025
 Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 02:20:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 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	2.882	38936755	292.5E6	19.494	20.005
2)	SA Decachlor...	9.072	8.075	61854896	254.5E6	18.698	13.771 #
Target Compounds							
2)	A alpha-BHC	3.999	3.395	218.7E6	1081.2E6	50.713	47.291
3)	MA gamma-BHC...	4.330	3.731	206.6E6	988.9E6	49.327	45.911
4)	MA Heptachlor	4.929	4.085	185.1E6	914.3E6	45.822	42.726
5)	MB Aldrin	5.271	4.371	194.9E6	969.0E6	49.340	46.580
6)	B beta-BHC	4.515	4.027	80075177	435.7E6	49.326	47.084
7)	B delta-BHC	4.762	4.264	209.6E6	997.6E6	50.801m	46.919
8)	B Heptachlo...	5.691	4.875	174.0E6	859.0E6	48.679	45.464
9)	A Endosulfan I	6.074	5.249	161.5E6	807.1E6	47.831	44.811
10)	B gamma-Chl...	5.944	5.128	172.6E6	921.1E6	47.653m	45.384
11)	B alpha-Chl...	6.027	5.192	171.9E6	879.6E6	47.627	44.873
12)	B 4,4'-DDE	6.195	5.377	154.5E6	869.9E6	46.857	44.170
13)	MA Dieldrin	6.346	5.515	172.6E6	880.4E6	48.362	44.170
14)	MA Endrin	6.574	5.791	141.5E6	787.1E6	47.428	43.242
15)	B Endosulfa...	6.785	6.083	143.9E6	731.2E6	46.041	41.730
16)	A 4,4'-DDD	6.704	5.932	119.7E6	713.1E6	47.583	43.519
17)	MA 4,4'-DDT	7.020	6.186	112.0E6	619.8E6	40.319	36.426
18)	B Endrin al...	6.914	6.261	106.5E6	545.5E6	46.127	41.013
19)	B Endosulfa...	7.148	6.484	131.1E6	679.7E6	45.578	39.671
20)	A Methoxychlor	7.492	6.757	55892377	311.2E6	37.273	34.119
21)	B Endrin ke...	7.629	6.993	132.6E6	670.6E6	42.945	35.856
22)	Mirex	8.113	7.187	97097086	512.8E6	41.347	34.602

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042825\
Data File : PD088301.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 12:21
Operator : AR\AJ
Sample : PB167742BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

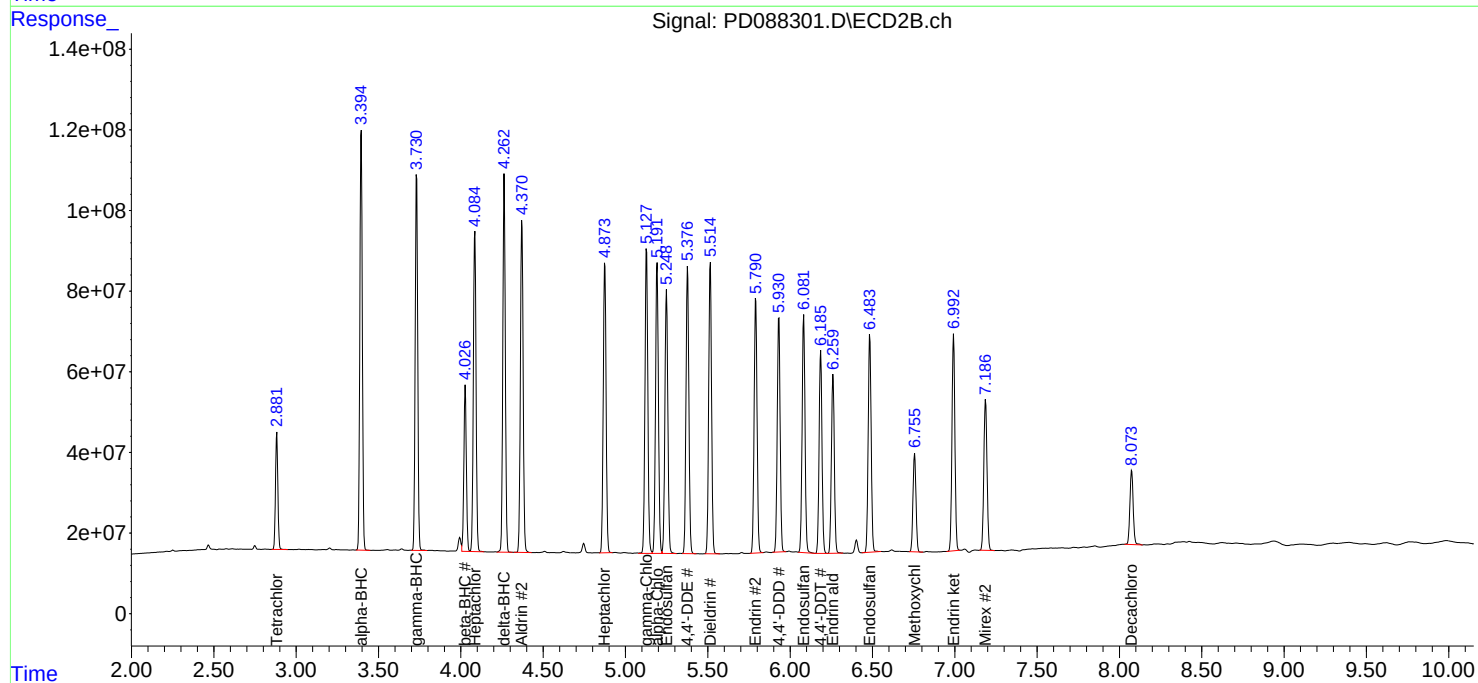
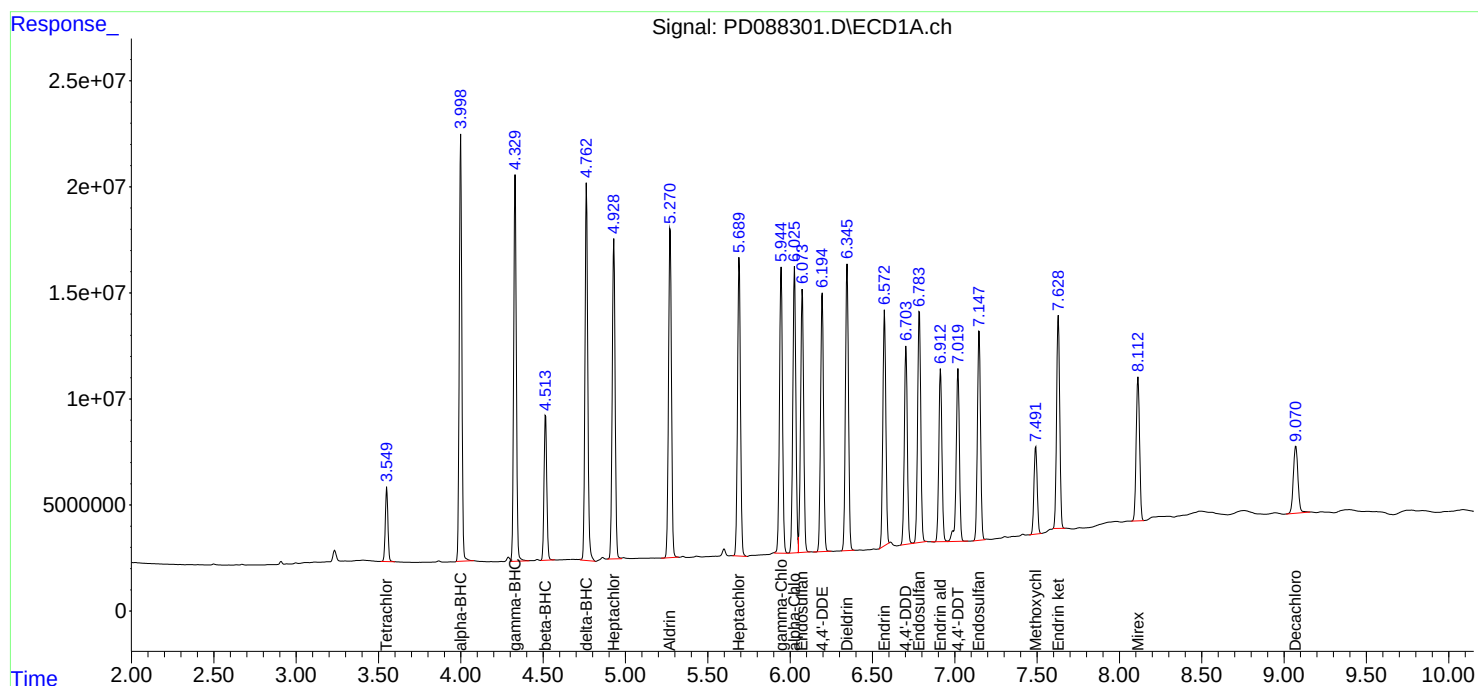
Instrument :
ECD_D
ClientSampleId :
PB167742BS

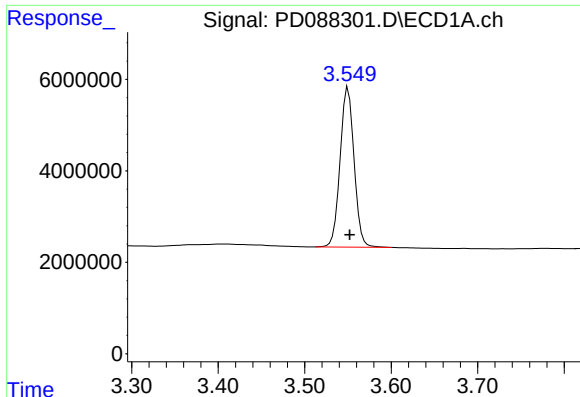
Manual Integrations
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Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 02:20:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 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





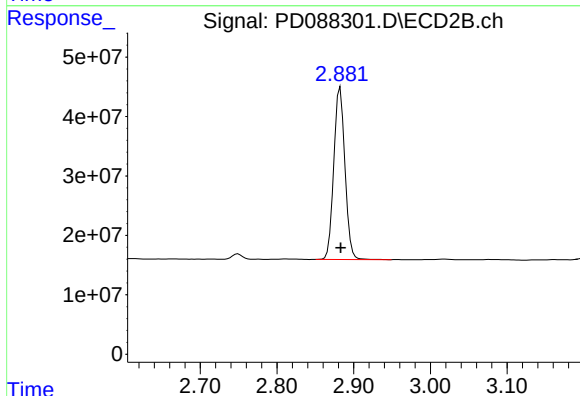
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: -0.002 min
Response: 38936755
Conc: 19.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167742BS

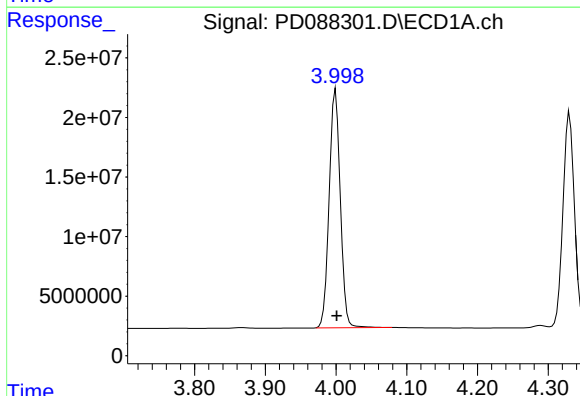
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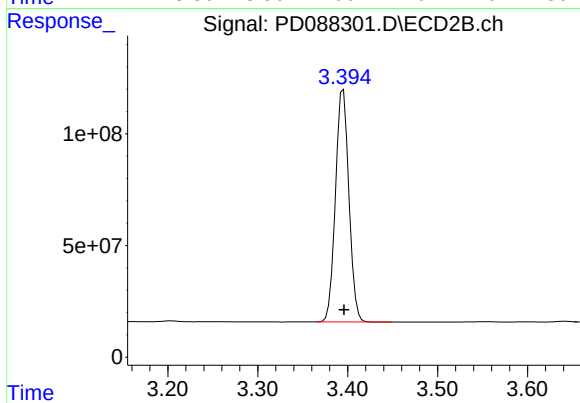
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 292508486
Conc: 20.01 ng/ml



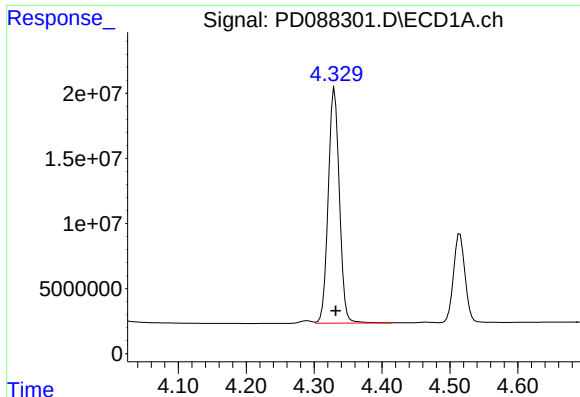
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: -0.002 min
Response: 218674656
Conc: 50.71 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: 0.000 min
Response: 1081154318
Conc: 47.29 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: -0.002 min
Response: 206556967
Conc: 49.33 ng/ml

Instrument :

ECD_D

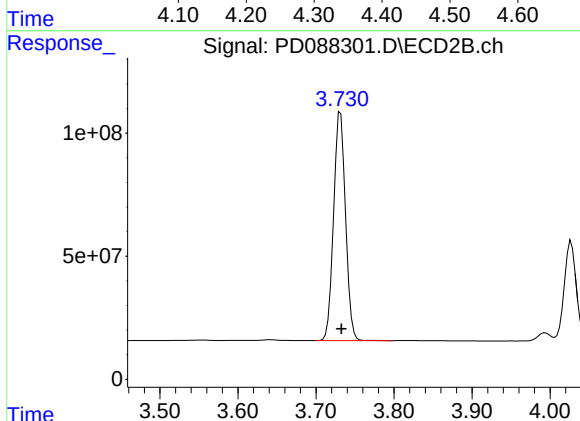
ClientSampleId :

PB167742BS

Manual Integrations

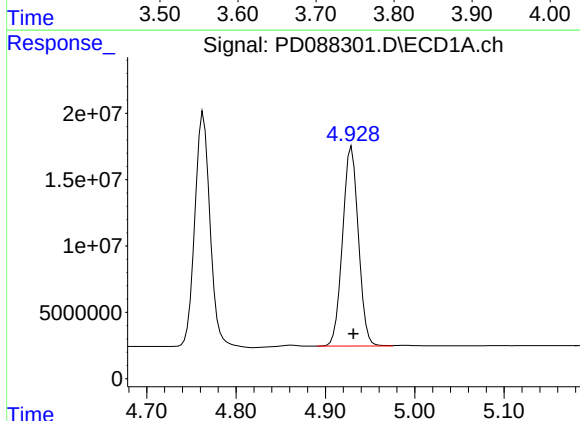
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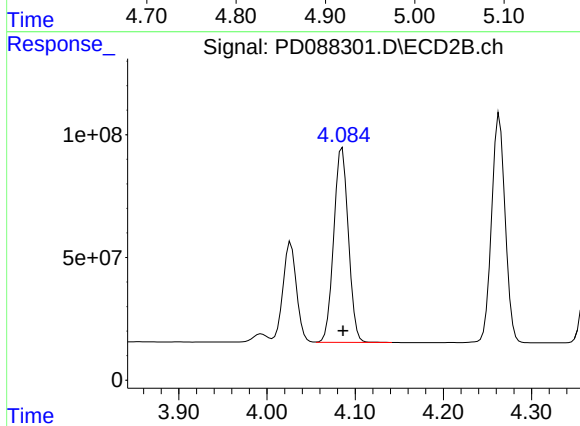
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: -0.001 min
Response: 988857313
Conc: 45.91 ng/ml



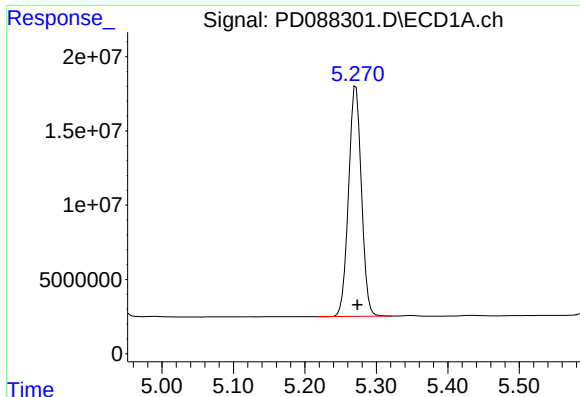
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: -0.002 min
Response: 185071247
Conc: 45.82 ng/ml



#4 Heptachlor

R.T.: 4.085 min
Delta R.T.: -0.001 min
Response: 914256597
Conc: 42.73 ng/ml



#5 Aldrin

R.T.: 5.271 min
Delta R.T.: -0.002 min
Response: 194870841
Conc: 49.34 ng/ml

Instrument :

ECD_D

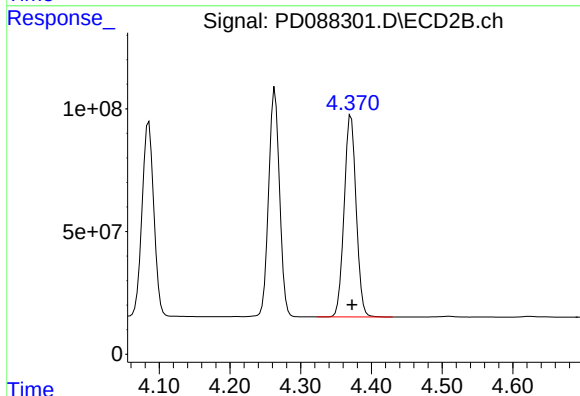
ClientSampleId :

PB167742BS

Manual Integrations

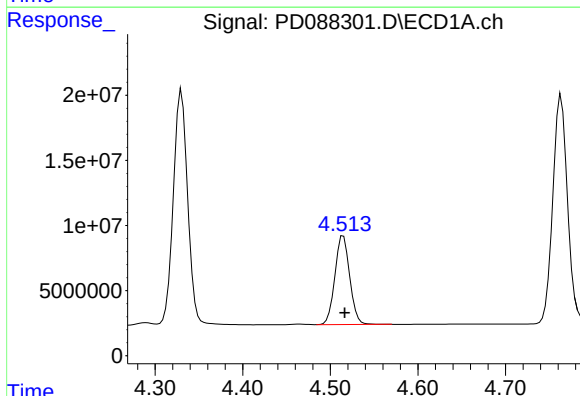
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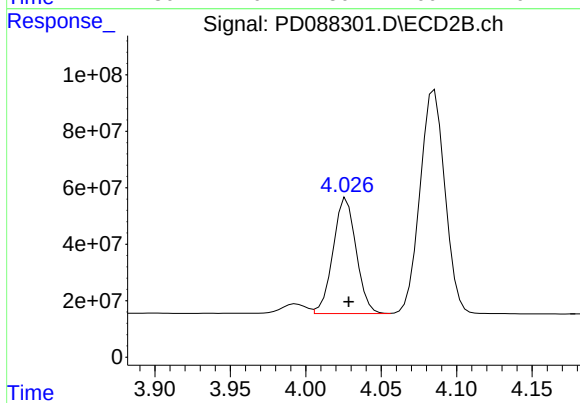
#5 Aldrin

R.T.: 4.371 min
Delta R.T.: -0.001 min
Response: 969003762
Conc: 46.58 ng/ml



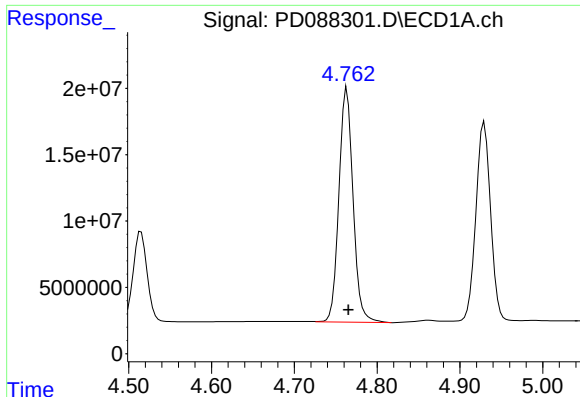
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: -0.001 min
Response: 80075177
Conc: 49.33 ng/ml



#6 beta-BHC

R.T.: 4.027 min
Delta R.T.: -0.001 min
Response: 435723670
Conc: 47.08 ng/ml



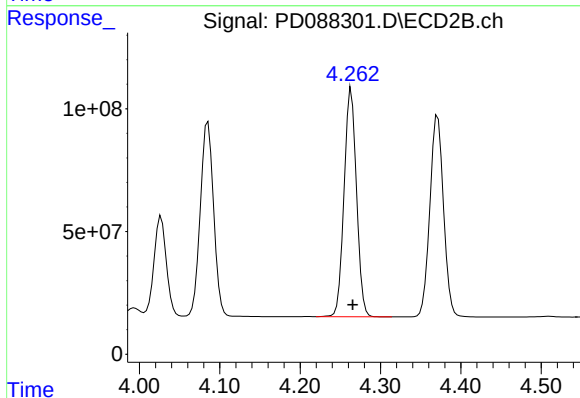
#7 delta-BHC

R.T.: 4.762 min
Delta R.T.: -0.003 min
Response: 209551265
Conc: 50.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167742BS

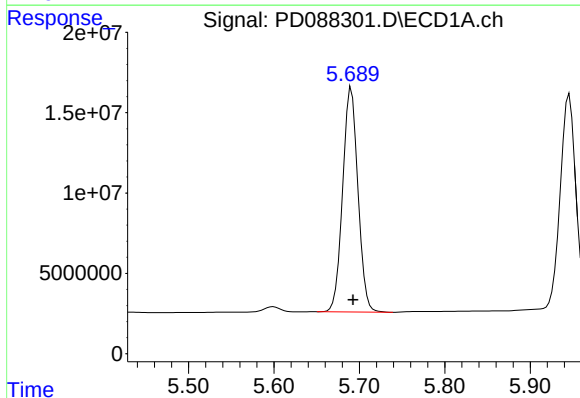
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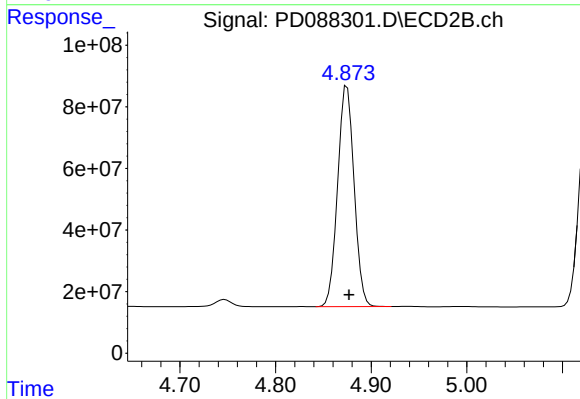
#7 delta-BHC

R.T.: 4.264 min
Delta R.T.: -0.002 min
Response: 997570656
Conc: 46.92 ng/ml



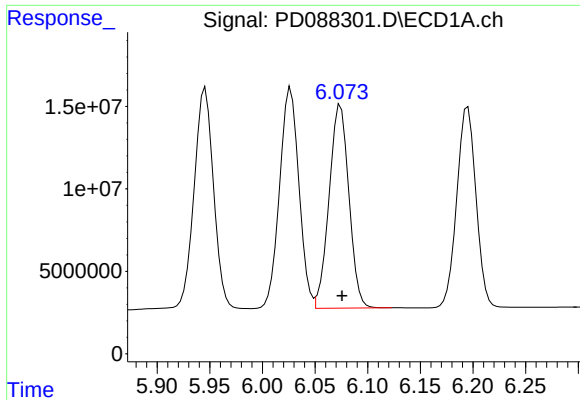
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: -0.002 min
Response: 173977669
Conc: 48.68 ng/ml



#8 Heptachlor epoxide

R.T.: 4.875 min
Delta R.T.: -0.002 min
Response: 859019156
Conc: 45.46 ng/ml



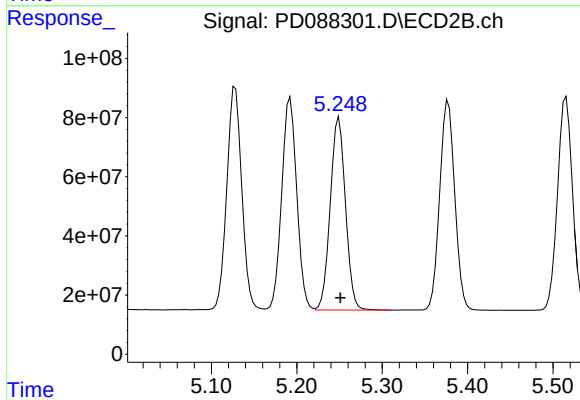
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: -0.002 min
Response: 161530778
Conc: 47.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167742BS

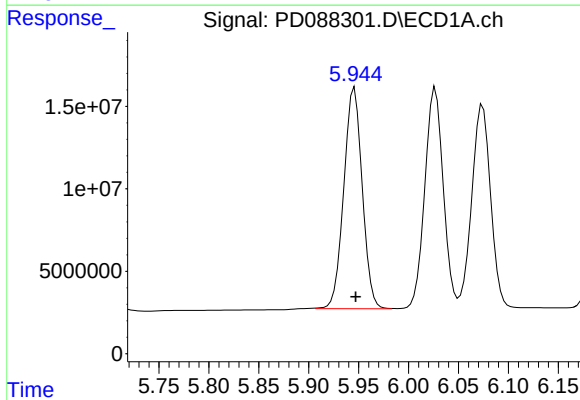
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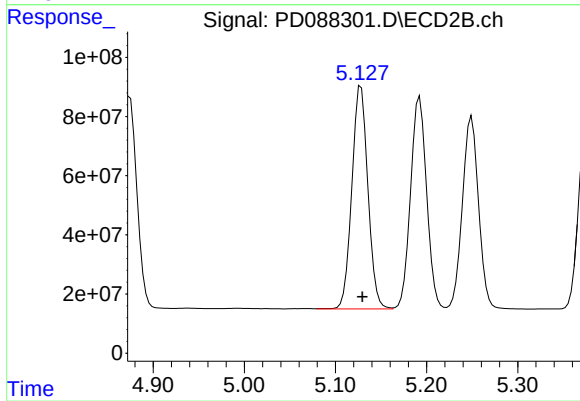
#9 Endosulfan I

R.T.: 5.249 min
Delta R.T.: -0.002 min
Response: 807149996
Conc: 44.81 ng/ml



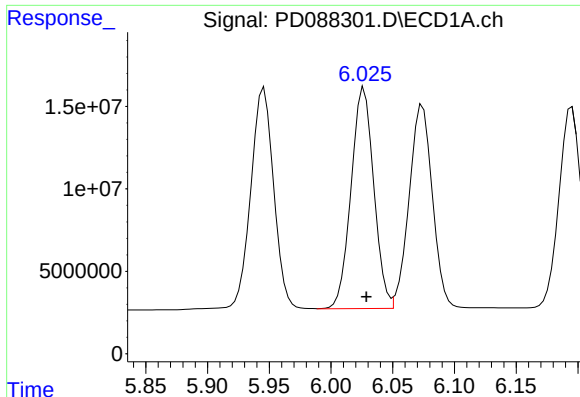
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: -0.003 min
Response: 172603266
Conc: 47.65 ng/ml m



#10 gamma-Chlordane

R.T.: 5.128 min
Delta R.T.: -0.001 min
Response: 921111637
Conc: 45.38 ng/ml



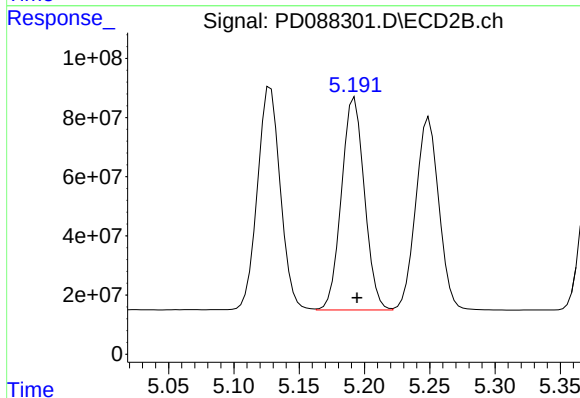
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: -0.002 min
Response: 171913109
Conc: 47.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167742BS

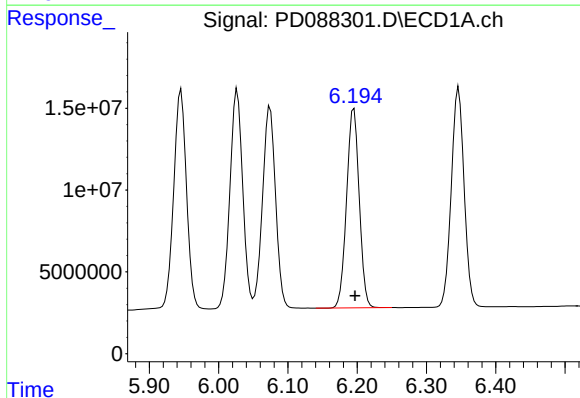
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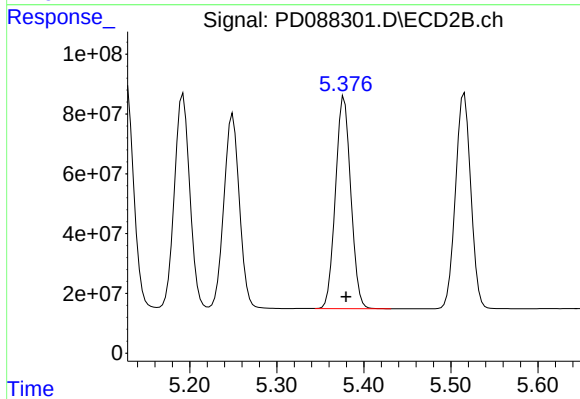
#11 alpha-Chlordane

R.T.: 5.192 min
Delta R.T.: -0.002 min
Response: 879640275
Conc: 44.87 ng/ml



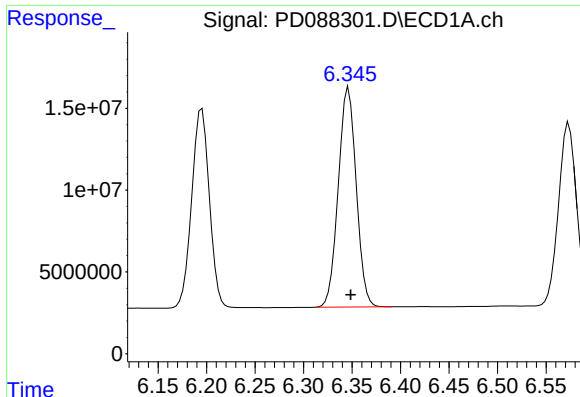
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: -0.002 min
Response: 154545288
Conc: 46.86 ng/ml



#12 4,4'-DDE

R.T.: 5.377 min
Delta R.T.: -0.002 min
Response: 869876007
Conc: 44.17 ng/ml



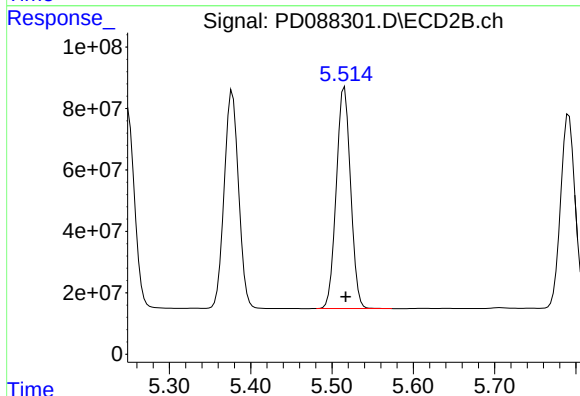
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: -0.002 min
Response: 172578537
Conc: 48.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167742BS

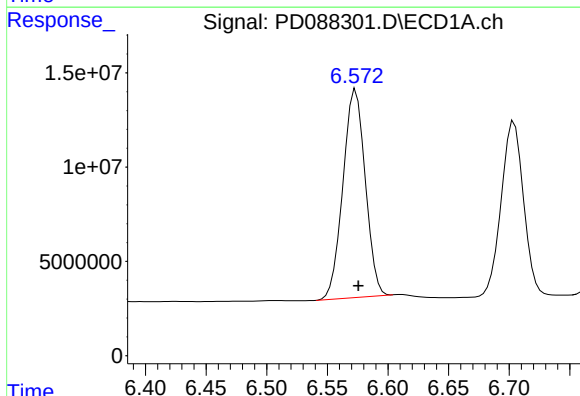
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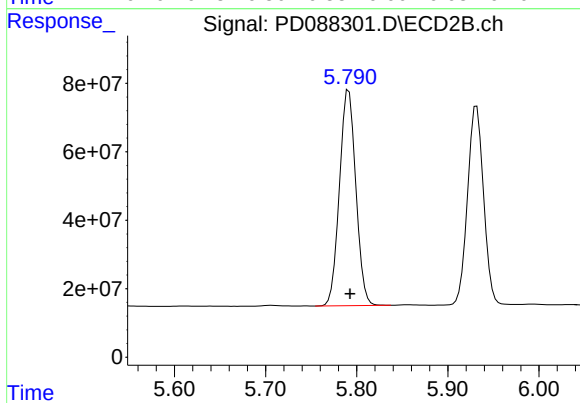
#13 Dieldrin

R.T.: 5.515 min
Delta R.T.: -0.001 min
Response: 880442017
Conc: 44.17 ng/ml



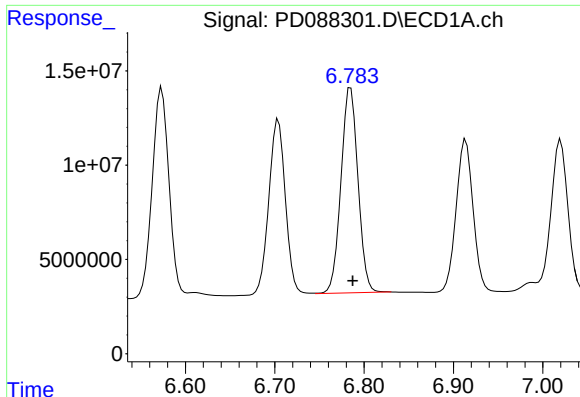
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.002 min
Response: 141456497
Conc: 47.43 ng/ml



#14 Endrin

R.T.: 5.791 min
Delta R.T.: -0.002 min
Response: 787105131
Conc: 43.24 ng/ml



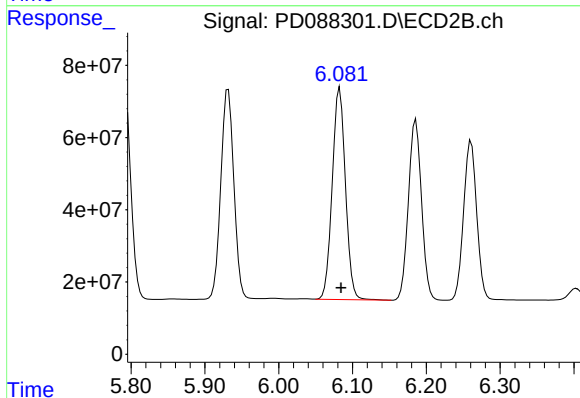
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: -0.002 min
Response: 143934788
Conc: 46.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167742BS

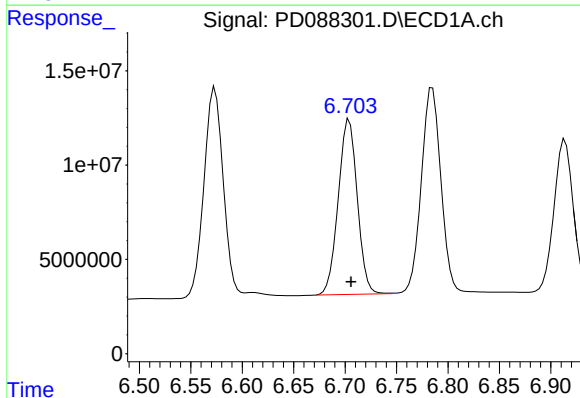
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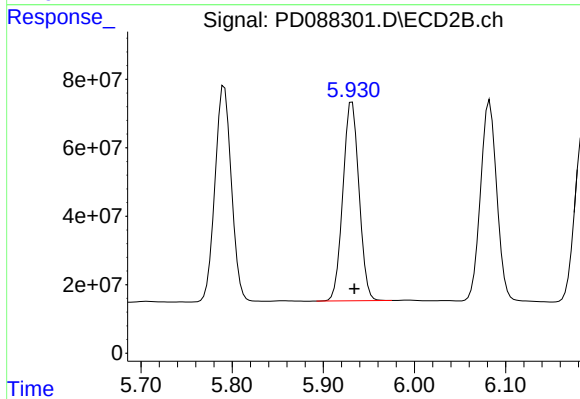
#15 Endosulfan II

R.T.: 6.083 min
Delta R.T.: -0.002 min
Response: 731179063
Conc: 41.73 ng/ml



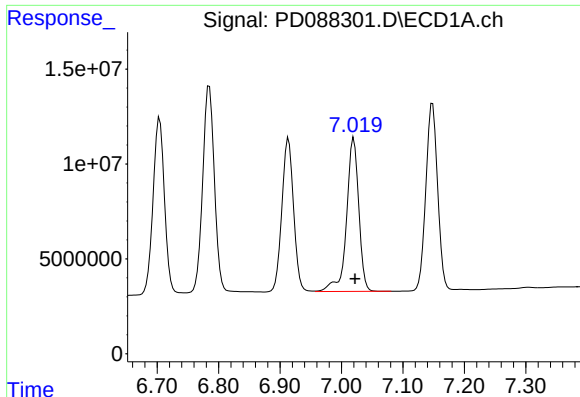
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.002 min
Response: 119669089
Conc: 47.58 ng/ml



#16 4,4'-DDD

R.T.: 5.932 min
Delta R.T.: -0.002 min
Response: 713117392
Conc: 43.52 ng/ml



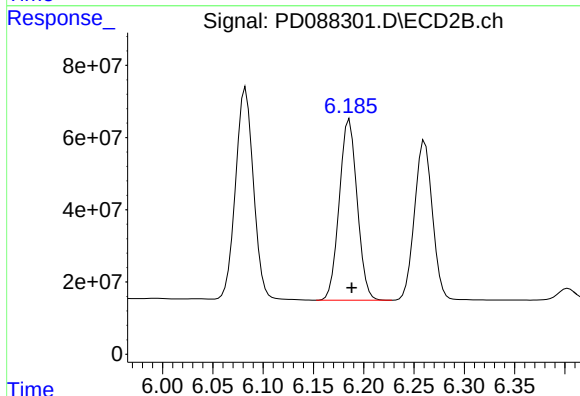
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.002 min
Response: 111987800
Conc: 40.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167742BS

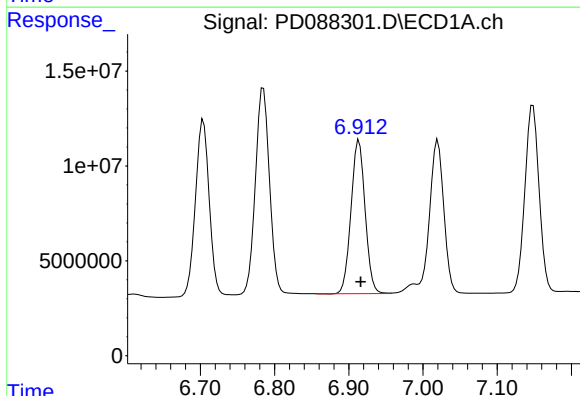
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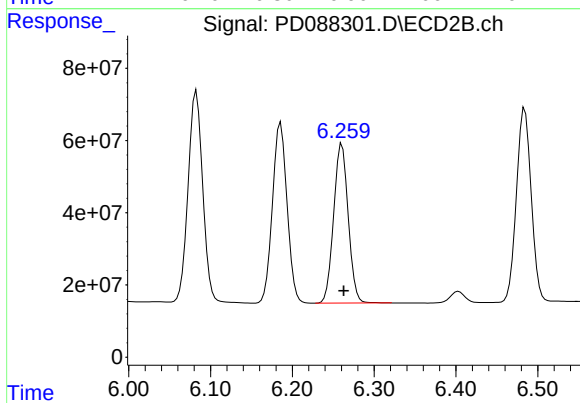
#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: -0.002 min
Response: 619834923
Conc: 36.43 ng/ml



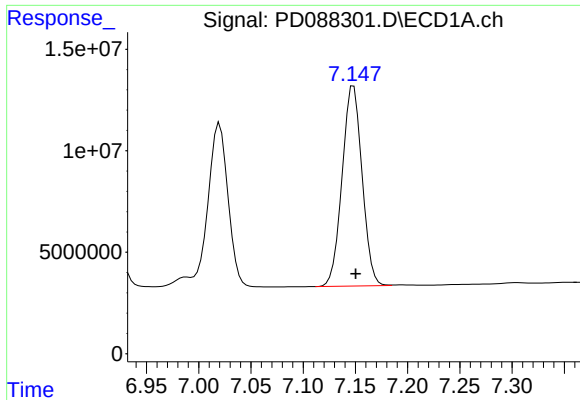
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: -0.002 min
Response: 106461593
Conc: 46.13 ng/ml



#18 Endrin aldehyde

R.T.: 6.261 min
Delta R.T.: -0.002 min
Response: 545515425
Conc: 41.01 ng/ml



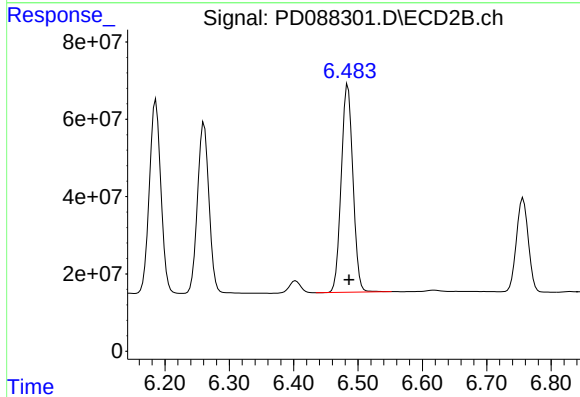
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: -0.002 min
Response: 131073556
Conc: 45.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167742BS

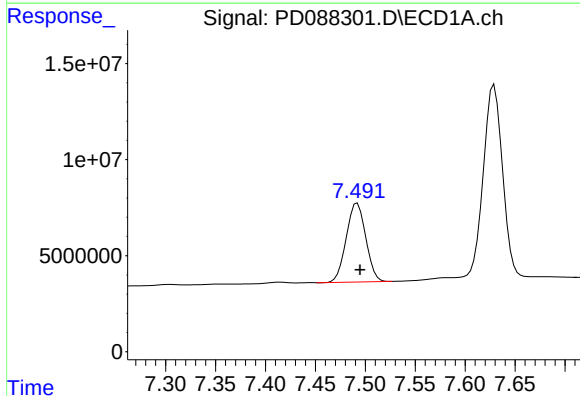
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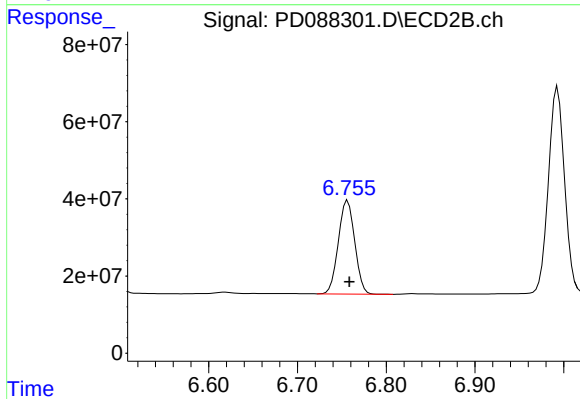
#19 Endosulfan Sulfate

R.T.: 6.484 min
Delta R.T.: -0.002 min
Response: 679691972
Conc: 39.67 ng/ml



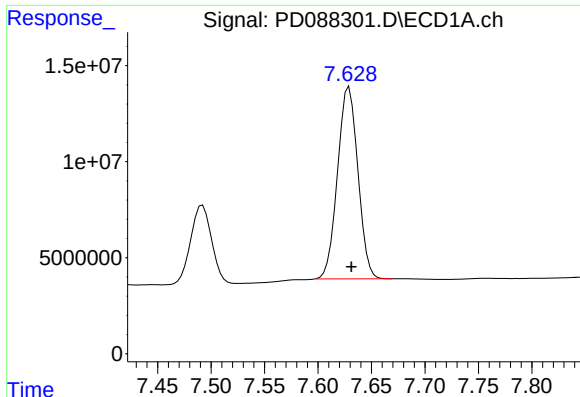
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.003 min
Response: 55892377
Conc: 37.27 ng/ml



#20 Methoxychlor

R.T.: 6.757 min
Delta R.T.: -0.002 min
Response: 311201414
Conc: 34.12 ng/ml



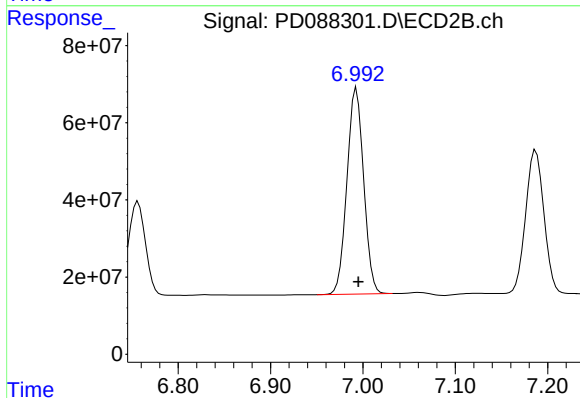
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: -0.002 min
Response: 132551661
Conc: 42.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167742BS

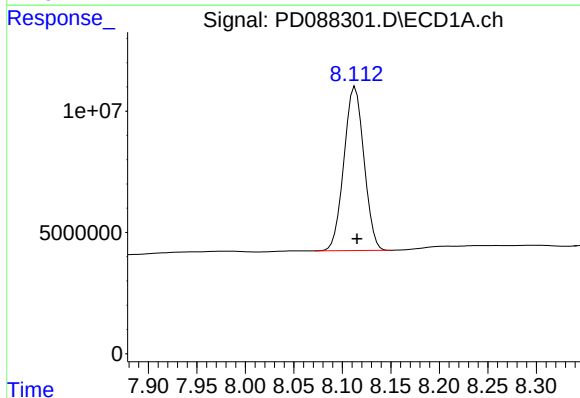
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



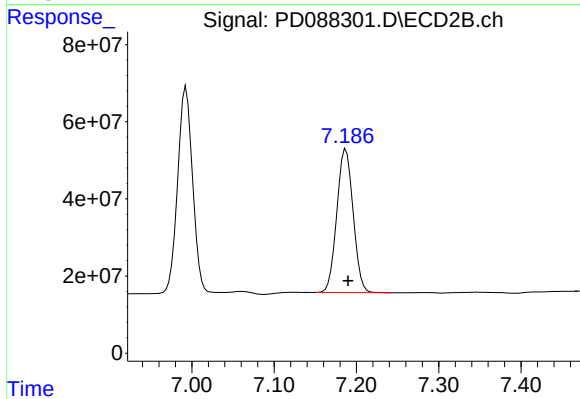
#21 Endrin ketone

R.T.: 6.993 min
Delta R.T.: -0.002 min
Response: 670645096
Conc: 35.86 ng/ml



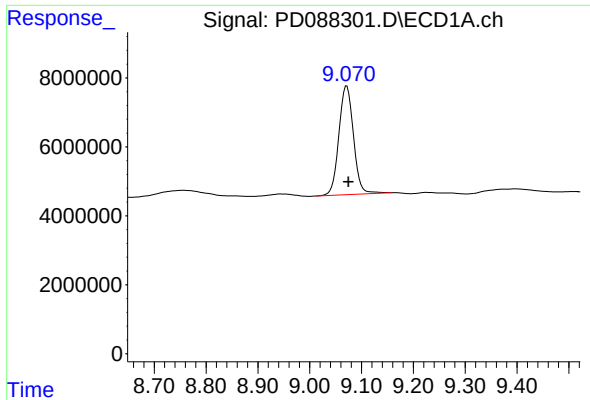
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.002 min
Response: 97097086
Conc: 41.35 ng/ml



#22 Mirex

R.T.: 7.187 min
Delta R.T.: -0.003 min
Response: 512842047
Conc: 34.60 ng/ml



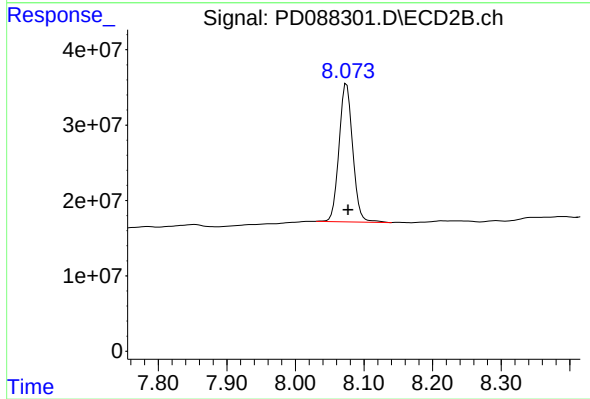
#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.003 min
Response: 61854896
Conc: 18.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167742BS

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 254478529
Conc: 13.77 ng/ml