

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
 Data File : PD089207.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Jun 2025 22:38
 Operator : AR\AJ
 Sample : PB168637BS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB168637BS

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 28 00:23:39 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...	3.549	2.881	62720530	415.7E6	21.983	24.519
28)	SA Decachlor...	9.069	8.070	92019388	475.4E6	23.429	24.046
Target Compounds							
2)	A alpha-BHC	3.998	3.393	282.8E6	1325.4E6	48.513	49.459
3)	MA gamma-BHC...	4.329	3.729	268.0E6	1208.8E6	48.020	48.828
4)	MA Heptachlor	4.928	4.082	229.5E6	1077.4E6	42.102	43.029
5)	MB Aldrin	5.269	4.367	262.4E6	1195.1E6	49.382	49.350
6)	B beta-BHC	4.515	4.024	103.8E6	524.8E6	47.047	48.837
7)	B delta-BHC	4.763	4.261	264.1E6	1227.8E6	51.450	49.362
8)	B Heptachlo...	5.689	4.871	232.9E6	1071.3E6	48.274	48.921
9)	A Endosulfan I	6.073	5.245	219.9E6	1026.8E6	48.783	49.265
10)	B gamma-Chl...	5.944	5.124	239.3E6	1171.6E6	49.969	48.976
11)	B alpha-Chl...	6.025	5.189	235.7E6	1108.9E6	48.704	48.432
12)	B 4,4'-DDE	6.193	5.373	213.4E6	1112.6E6	48.936	48.551
13)	MA Dieldrin	6.345	5.511	236.8E6	1124.8E6	49.369	48.465
14)	MA Endrin	6.572	5.788	174.8E6	924.4E6	42.358	42.574
15)	B Endosulfa...	6.784	6.079	198.4E6	977.5E6	49.155	48.399
16)	A 4,4'-DDD	6.703	5.928	182.2E6	1005.4E6	53.075	52.558
17)	MA 4,4'-DDT	7.019	6.182	131.2E6	705.6E6	34.635	34.795
18)	B Endrin al...	6.913	6.257	146.1E6	727.6E6	47.675	47.519
19)	B Endosulfa...	7.147	6.480	185.4E6	940.9E6	48.320	47.951
20)	A Methoxychlor	7.491	6.752	64558529	361.4E6	31.950	33.559
21)	B Endrin ke...	7.628	6.989	204.1E6	1077.5E6	50.101	49.879
22)	Mirex	8.111	7.182	141.7E6	773.0E6	46.596	46.348m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089207.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 22:38
Operator : AR\AJ
Sample : PB168637BS
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ALS Vial : 23 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB168637BS

Manual Integrations

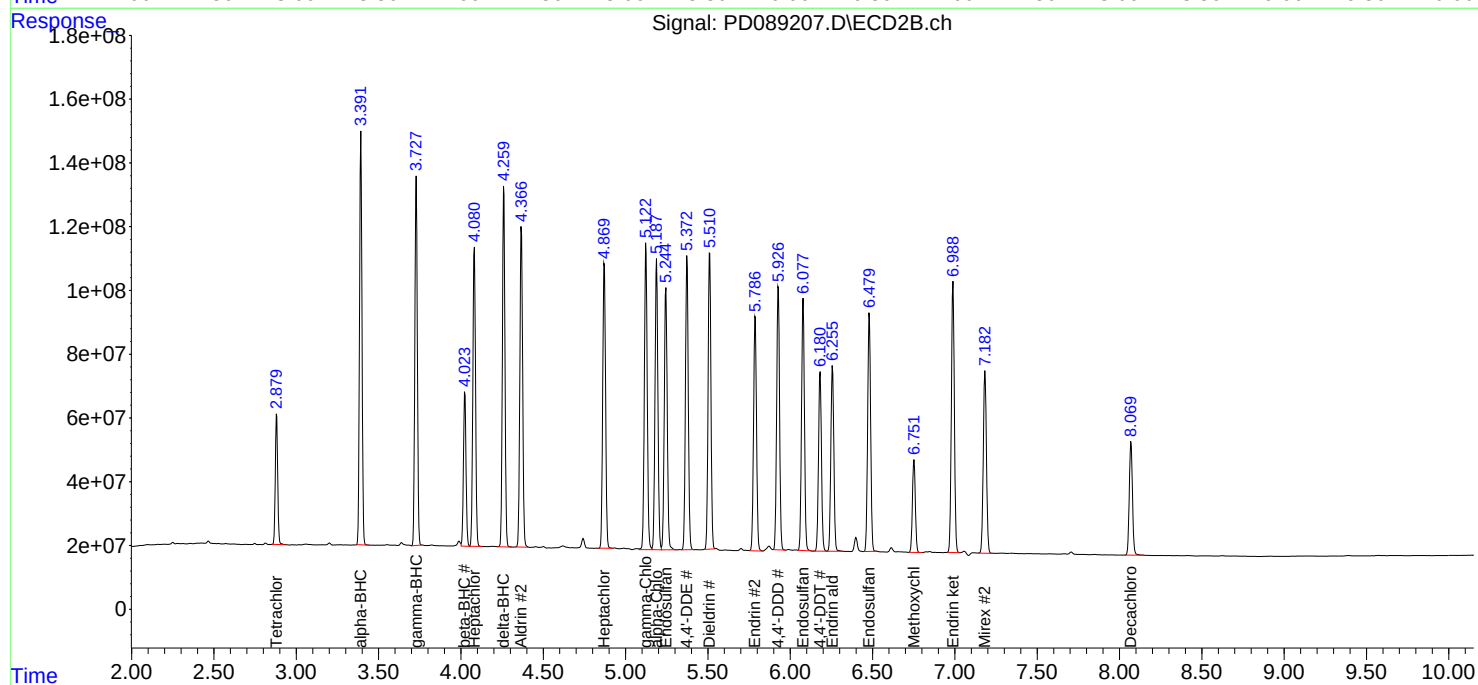
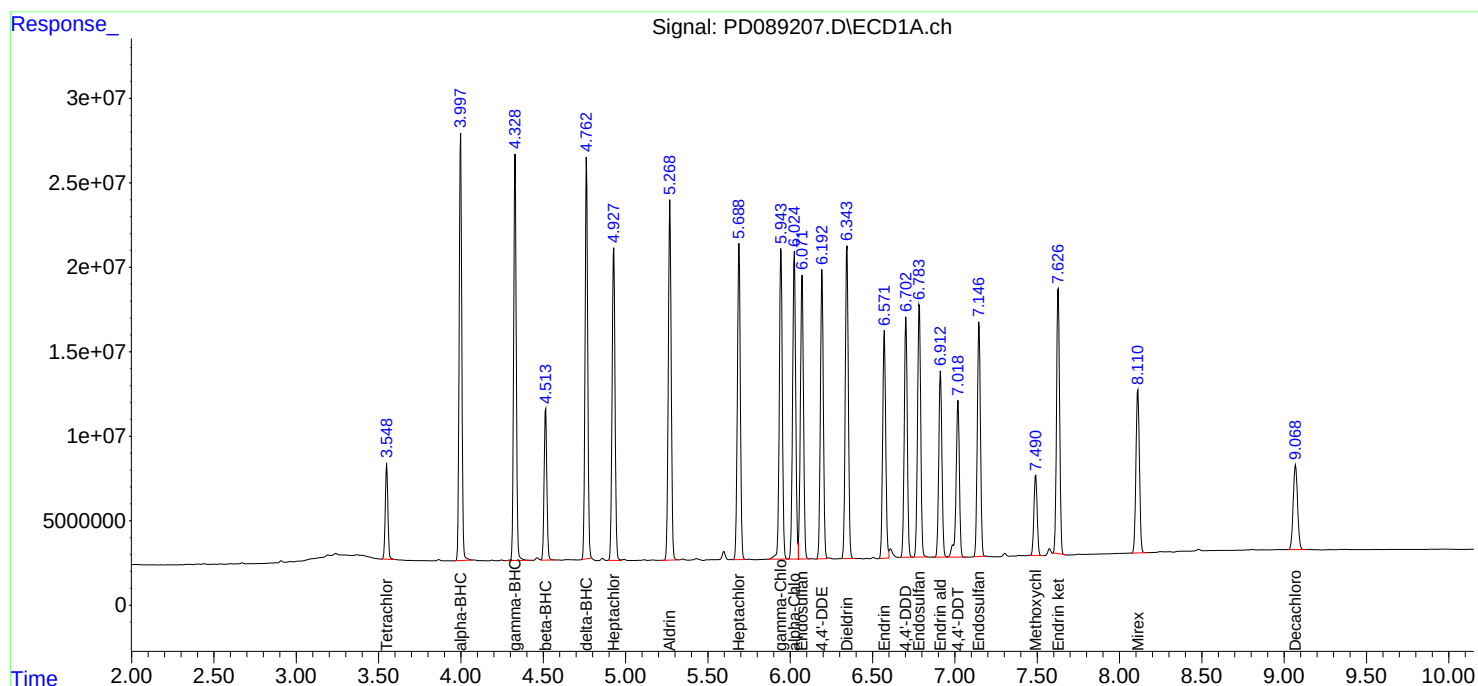
APPROVED

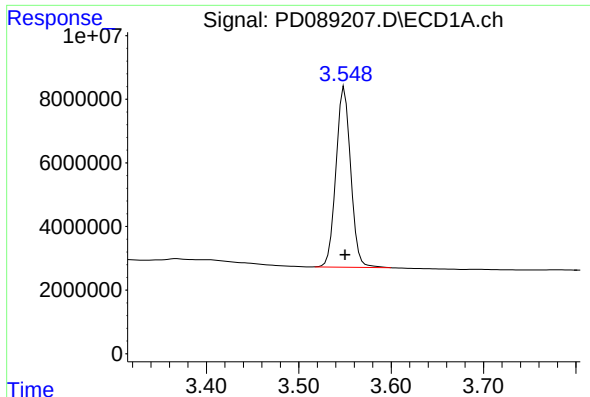
Reviewed By :Abdul Mirza 06/30/2025

Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 28 00:23:39 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





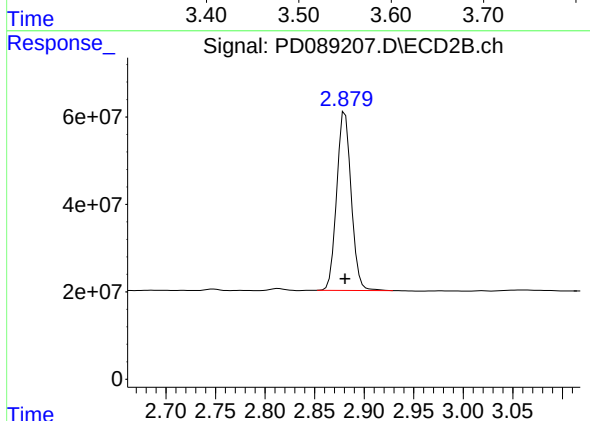
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 62720530
Conc: 21.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168637BS

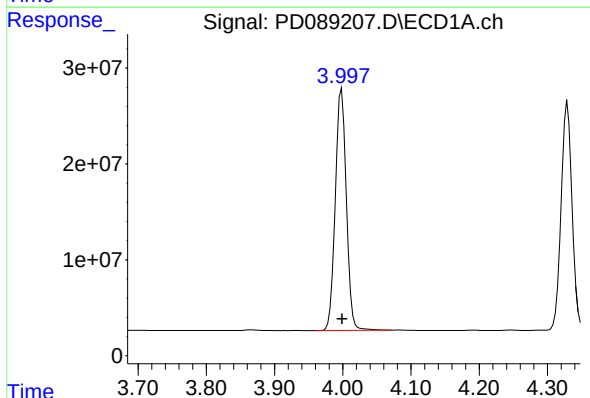
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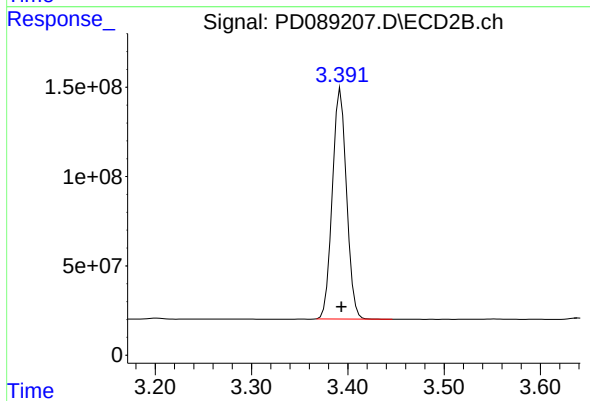
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 415681083
Conc: 24.52 ng/ml



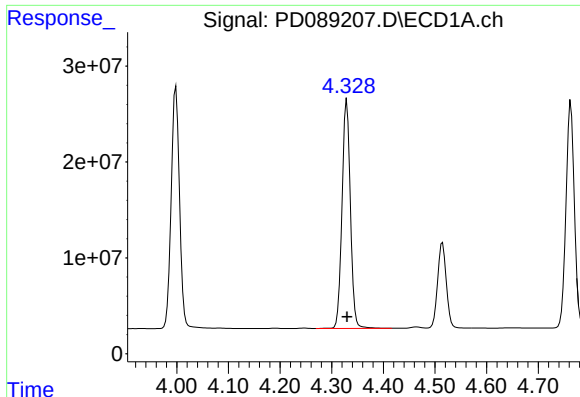
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 282786363
Conc: 48.51 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 1325364726
Conc: 49.46 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 268029815
Conc: 48.02 ng/ml

Instrument :

ECD_D

ClientSampleId :

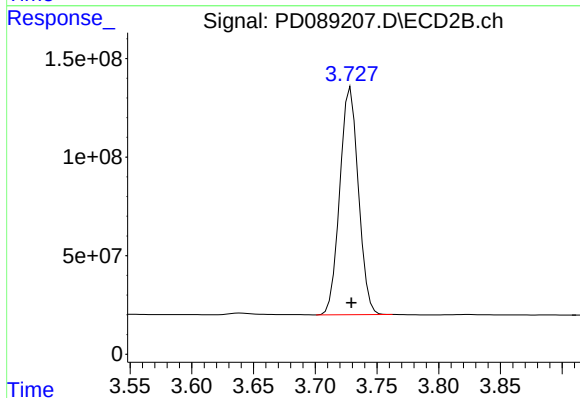
PB168637BS

Manual Integrations

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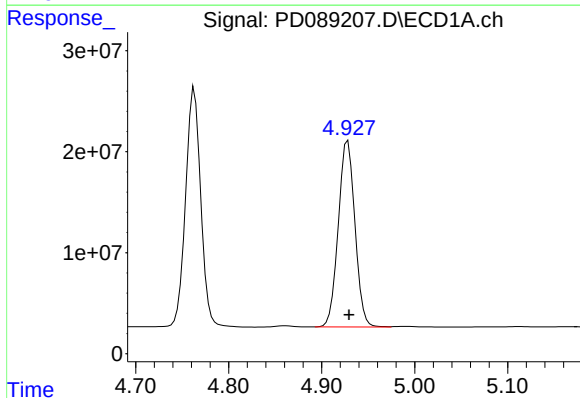
Reviewed By :Abdul Mirza 06/30/2025

Supervised By :mohammad ahmed 07/01/2025



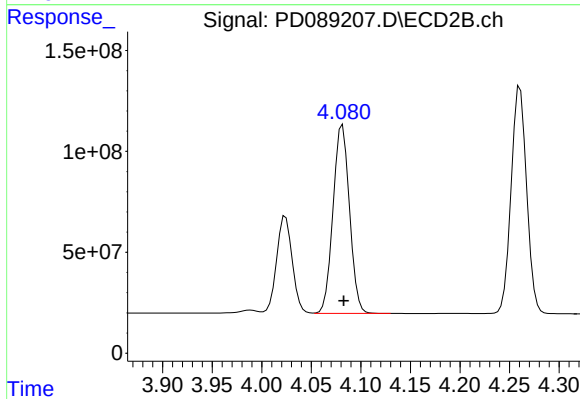
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 1208818847
Conc: 48.83 ng/ml



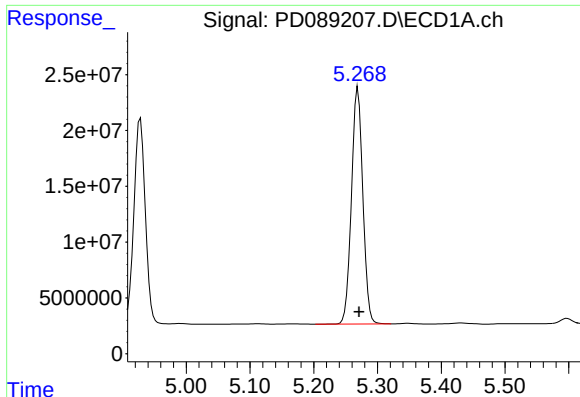
#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: -0.001 min
Response: 229538327
Conc: 42.10 ng/ml



#4 Heptachlor

R.T.: 4.082 min
Delta R.T.: -0.001 min
Response: 1077382896
Conc: 43.03 ng/ml



#5 Aldrin

R.T.: 5.269 min
Delta R.T.: -0.002 min
Response: 262367695
Conc: 49.38 ng/ml

Instrument :

ECD_D

ClientSampleId :

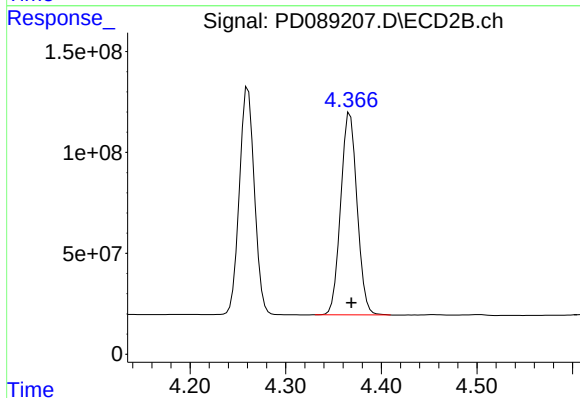
PB168637BS

Manual Integrations

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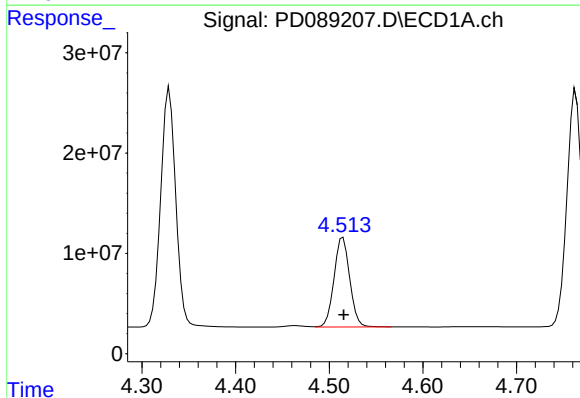
Reviewed By :Abdul Mirza 06/30/2025

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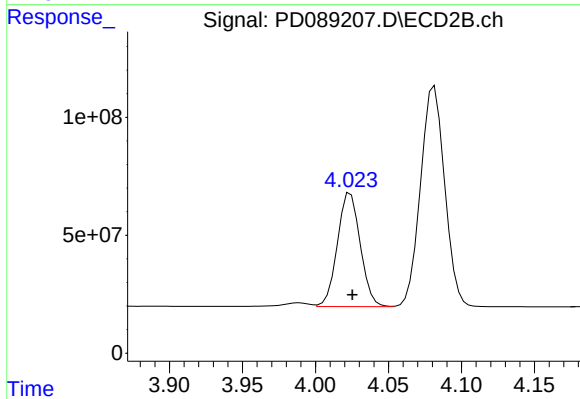
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: -0.002 min
Response: 1195122147
Conc: 49.35 ng/ml



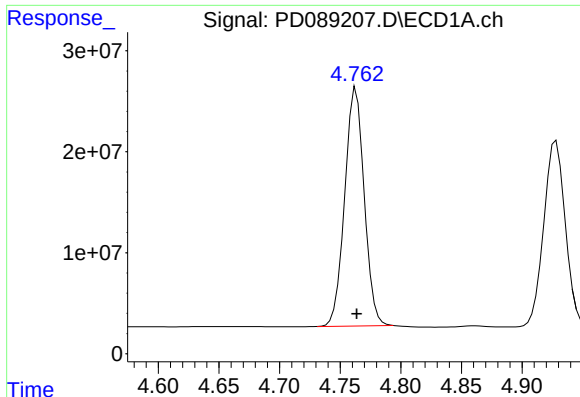
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 103838995
Conc: 47.05 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: -0.001 min
Response: 524811931
Conc: 48.84 ng/ml



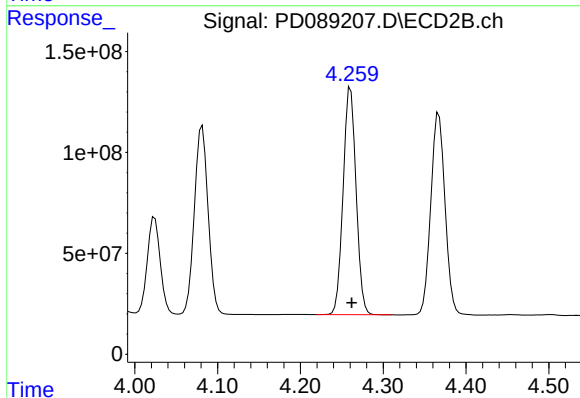
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 264087280
Conc: 51.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168637BS

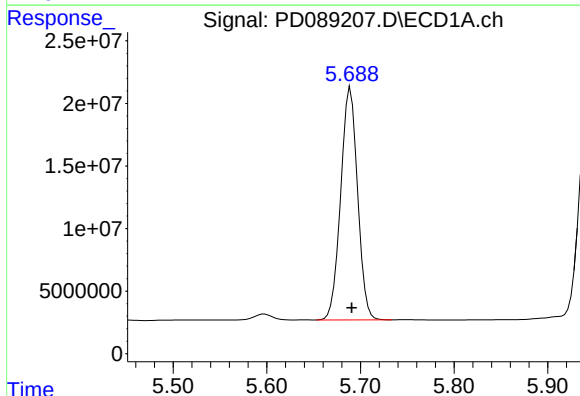
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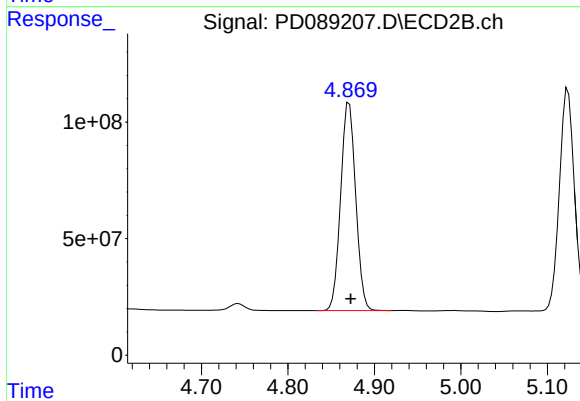
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: -0.001 min
Response: 1227819495
Conc: 49.36 ng/ml



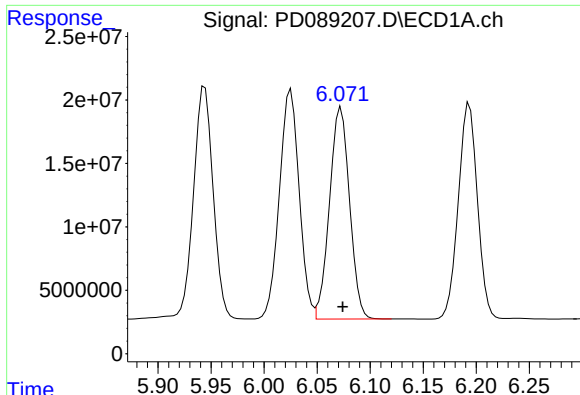
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: -0.002 min
Response: 232868995
Conc: 48.27 ng/ml



#8 Heptachlor epoxide

R.T.: 4.871 min
Delta R.T.: -0.002 min
Response: 1071265027
Conc: 48.92 ng/ml



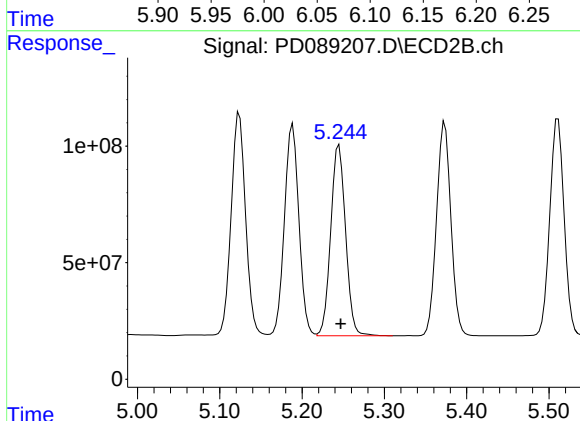
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: -0.002 min
Response: 219889115
Conc: 48.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168637BS

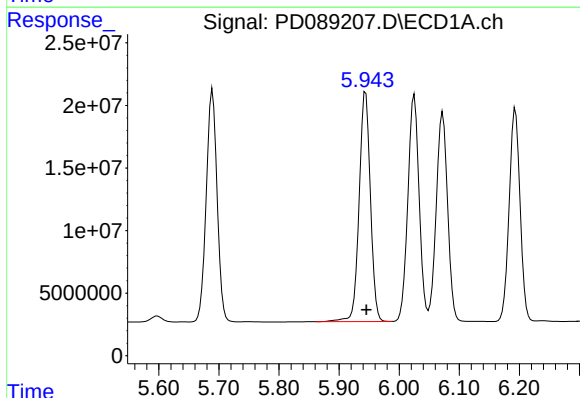
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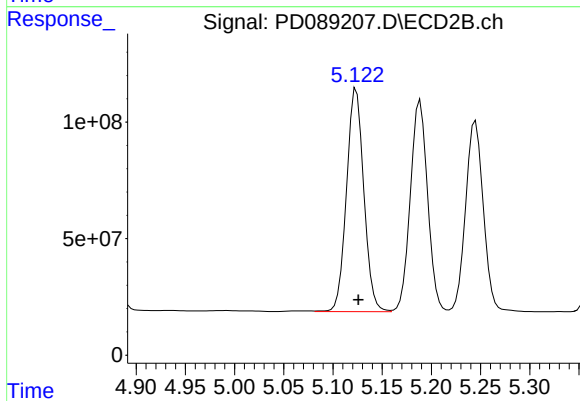
#9 Endosulfan I

R.T.: 5.245 min
Delta R.T.: -0.002 min
Response: 1026800417
Conc: 49.26 ng/ml



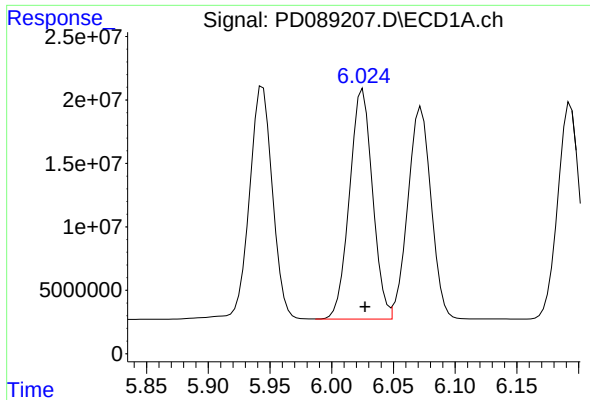
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: -0.001 min
Response: 239256125
Conc: 49.97 ng/ml



#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 1171637860
Conc: 48.98 ng/ml



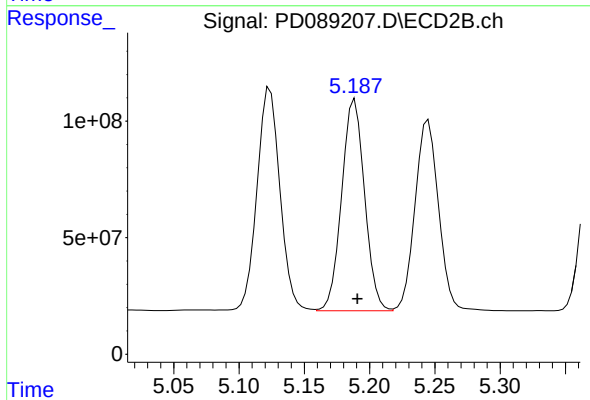
#11 alpha-Chlordane

R.T.: 6.025 min
Delta R.T.: -0.002 min
Response: 235658233
Conc: 48.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168637BS

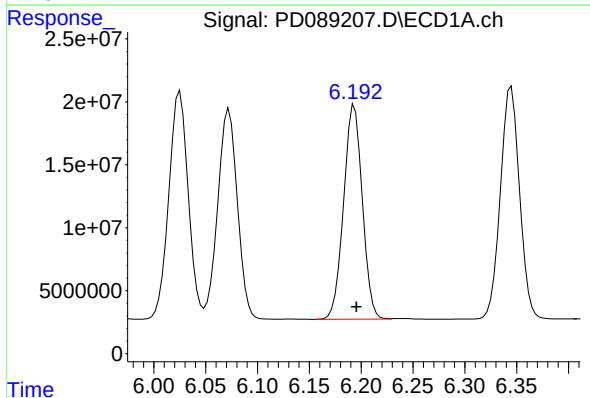
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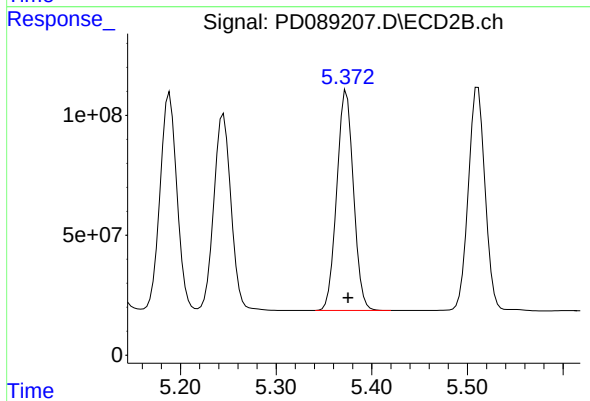
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: -0.002 min
Response: 1108942744
Conc: 48.43 ng/ml



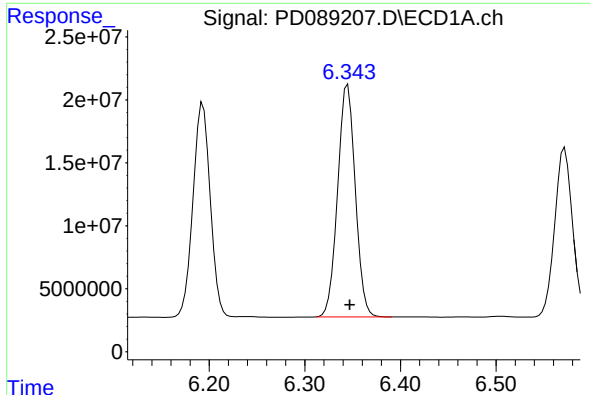
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: -0.002 min
Response: 213413564
Conc: 48.94 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 1112590163
Conc: 48.55 ng/ml



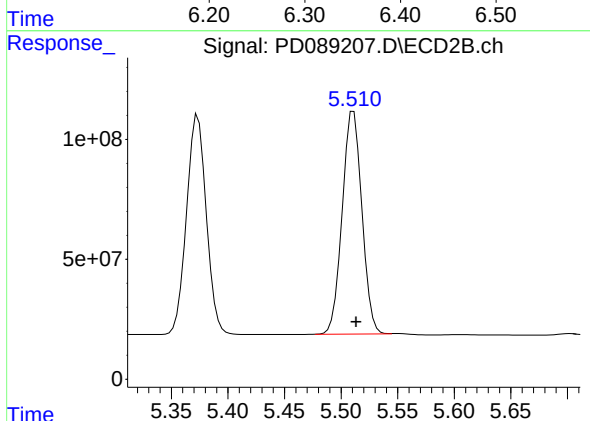
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: -0.002 min
Response: 236847075
Conc: 49.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168637BS

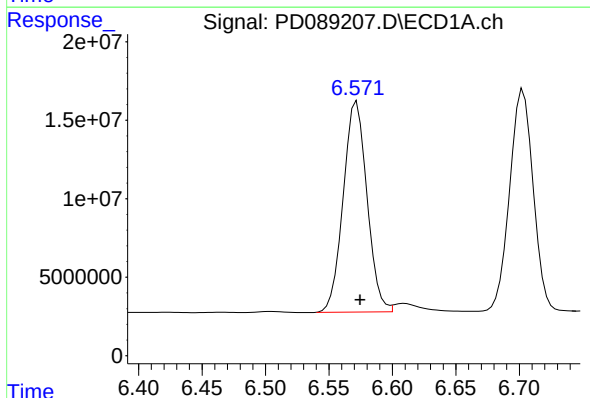
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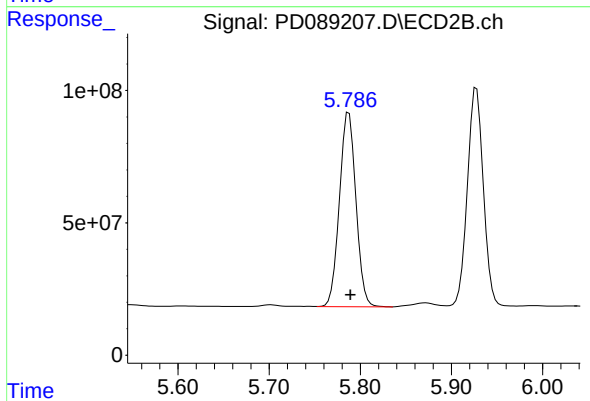
#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: -0.002 min
Response: 1124803661
Conc: 48.47 ng/ml



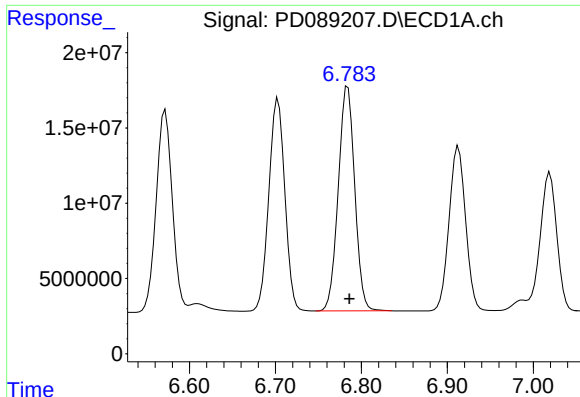
#14 Endrin

R.T.: 6.572 min
Delta R.T.: -0.002 min
Response: 174751822
Conc: 42.36 ng/ml



#14 Endrin

R.T.: 5.788 min
Delta R.T.: -0.002 min
Response: 924438734
Conc: 42.57 ng/ml



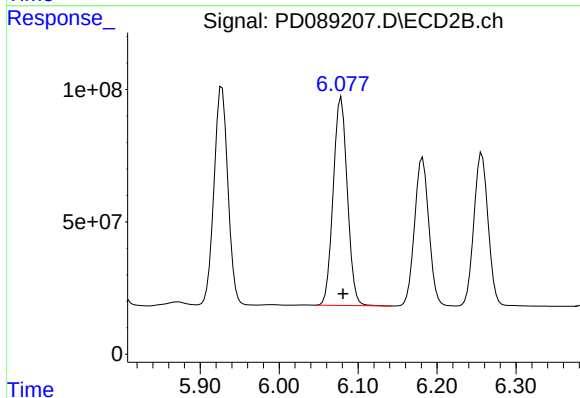
#15 Endosulfan II

R.T.: 6.784 min
Delta R.T.: -0.002 min
Response: 198418203
Conc: 49.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168637BS

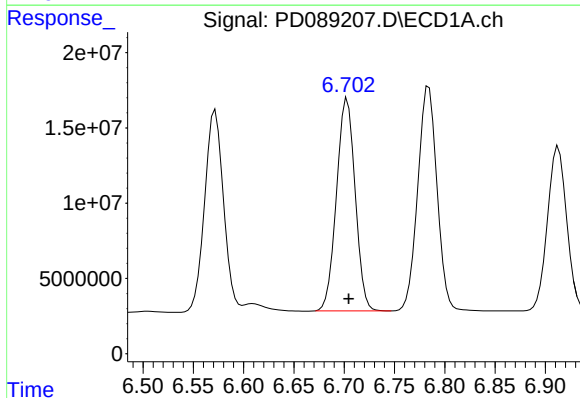
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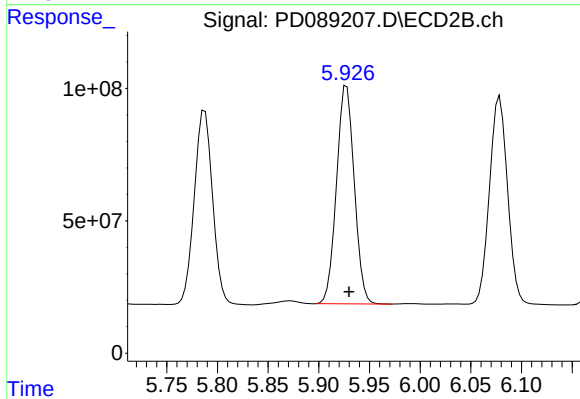
#15 Endosulfan II

R.T.: 6.079 min
Delta R.T.: -0.002 min
Response: 977500975
Conc: 48.40 ng/ml



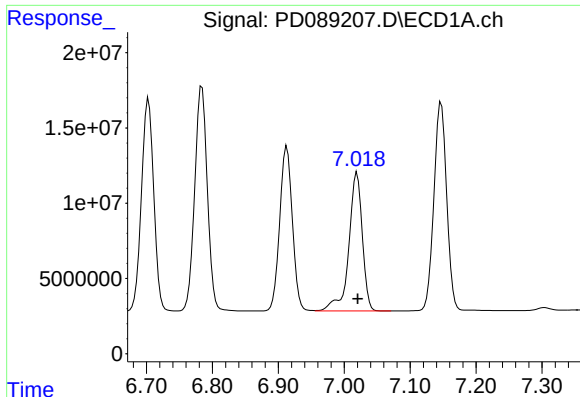
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: -0.002 min
Response: 182154909
Conc: 53.07 ng/ml



#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: -0.002 min
Response: 1005401520
Conc: 52.56 ng/ml



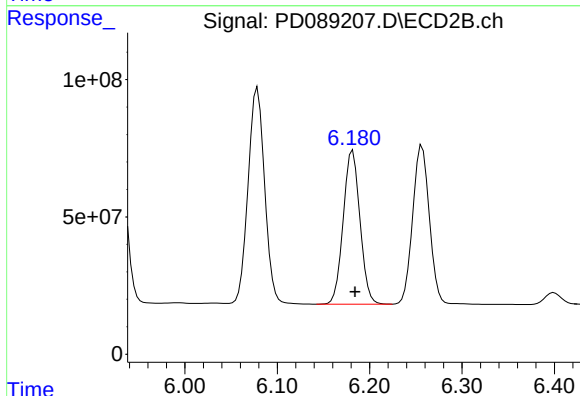
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: -0.001 min
Response: 131204119
Conc: 34.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168637BS

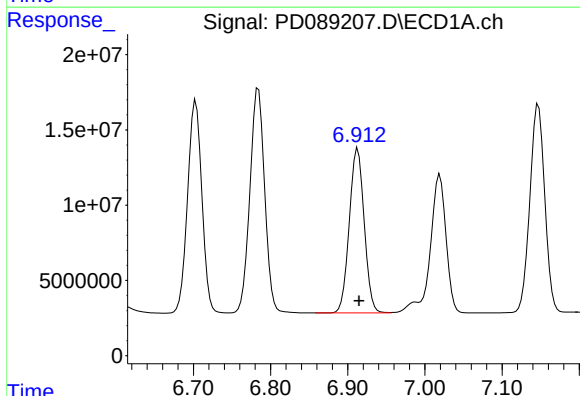
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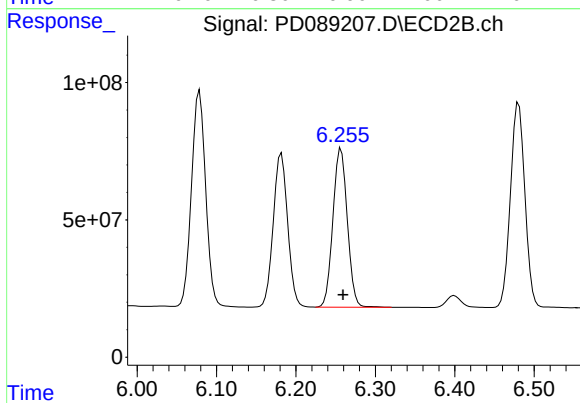
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 705625617
Conc: 34.80 ng/ml



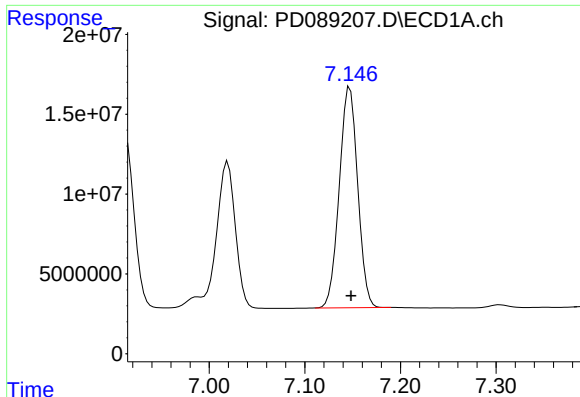
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: -0.002 min
Response: 146072327
Conc: 47.67 ng/ml



#18 Endrin aldehyde

R.T.: 6.257 min
Delta R.T.: -0.002 min
Response: 727580192
Conc: 47.52 ng/ml



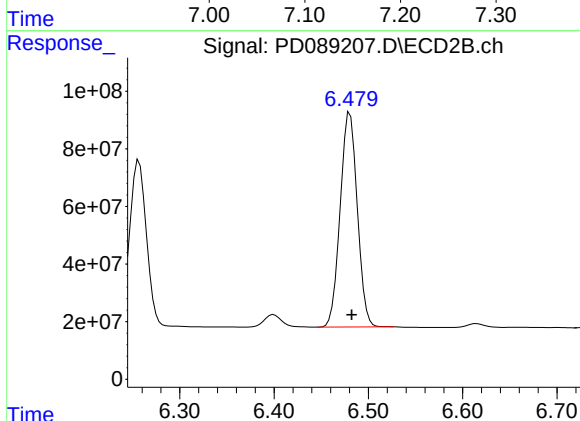
#19 Endosulfan Sulfate

R.T.: 7.147 min
Delta R.T.: -0.001 min
Response: 185413170
Conc: 48.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168637BS

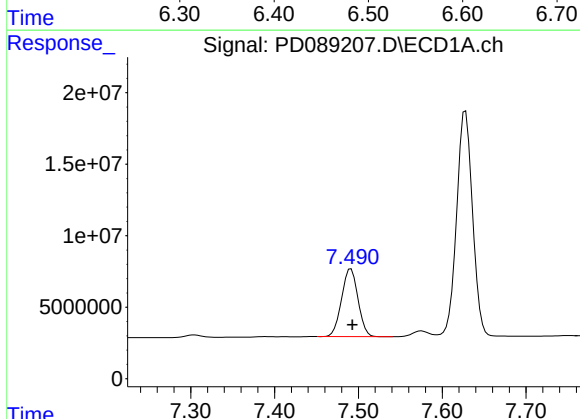
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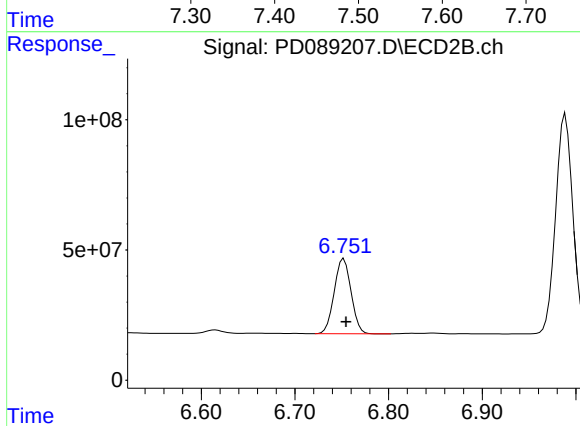
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: -0.002 min
Response: 940851827
Conc: 47.95 ng/ml



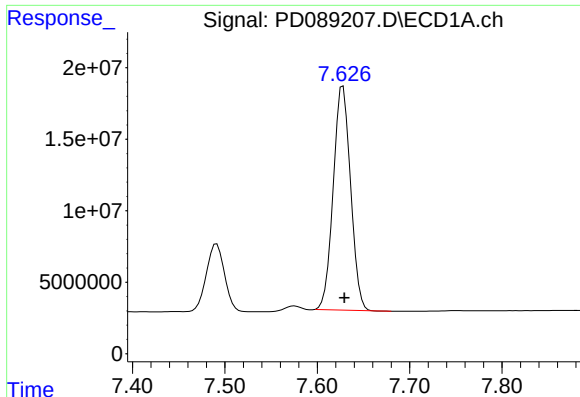
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: -0.001 min
Response: 64558529
Conc: 31.95 ng/ml



#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: -0.002 min
Response: 361364215
Conc: 33.56 ng/ml



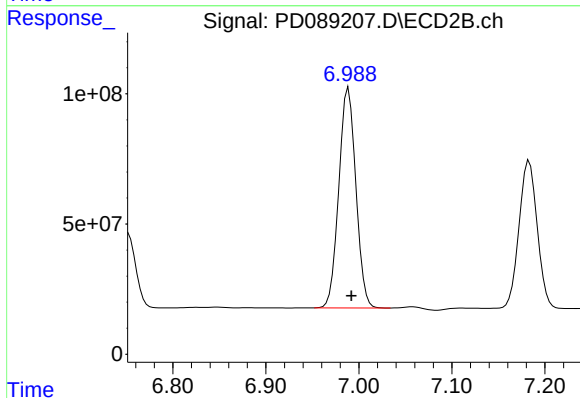
#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: -0.002 min
Response: 204064172
Conc: 50.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168637BS

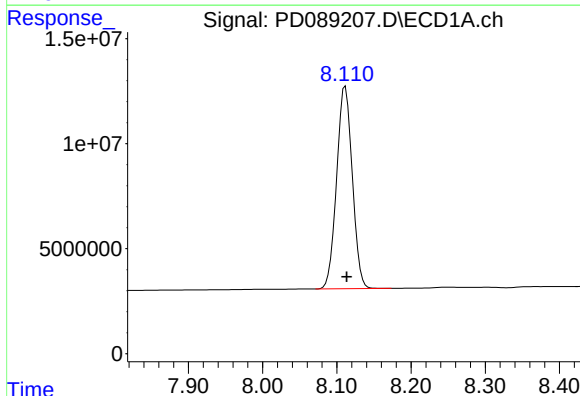
Manual Integrations
APPROVED

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



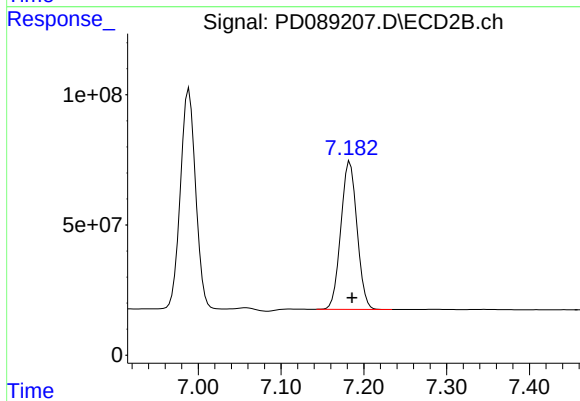
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 1077471838
Conc: 49.88 ng/ml



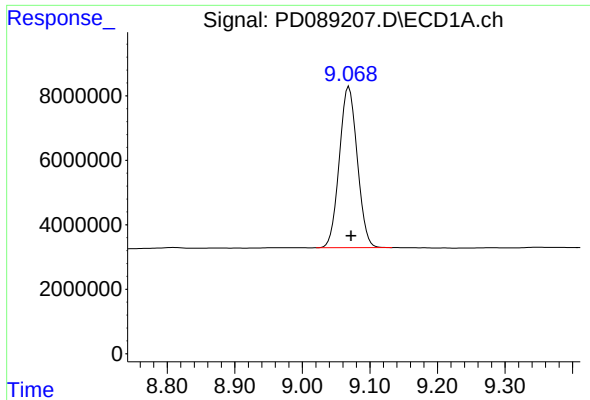
#22 Mirex

R.T.: 8.111 min
Delta R.T.: -0.002 min
Response: 141659258
Conc: 46.60 ng/ml



#22 Mirex

R.T.: 7.182 min
Delta R.T.: -0.004 min
Response: 773001401
Conc: 46.35 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.003 min
Response: 92019388
Conc: 23.43 ng/ml

Instrument :

ECD_D

ClientSampleId :

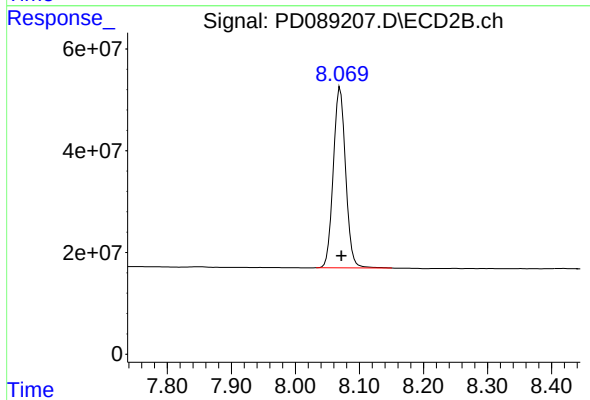
PB168637BS

Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 475383983
Conc: 24.05 ng/ml