

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
 Data File : PD089292.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2025 20:43
 Operator : AR\AJ
 Sample : Q2458-04MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-67MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/02/2025
 Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 02 01:51:48 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	2.880	56098549	367.0E6	19.662	21.650m
28)	SA Decachlor...	9.073	8.072	63612232	327.6E6	16.196	16.573
Target Compounds							
2)	A alpha-BHC	4.000	3.392	285.8E6	1310.3E6	49.030	48.897m
3)	MA gamma-BHC...	4.331	3.728	274.7E6	1202.7E6	49.222	48.579m
4)	MA Heptachlor	4.929	4.083	248.9E6	1131.5E6	45.647	45.192
5)	MB Aldrin	5.271	4.369	260.3E6	1180.6E6	48.993	48.751
6)	B beta-BHC	4.516	4.026	103.6E6	519.0E6	46.932	48.296
7)	B delta-BHC	4.764	4.262	263.1E6	1197.3E6	51.252	48.136
8)	B Heptachlo...	5.691	4.872	230.8E6	1080.9E6	47.854	49.359
9)	A Endosulfan I	6.074	5.247	217.9E6	1003.8E6	48.353	48.161
10)	B gamma-Chl...	5.946	5.125	234.7E6	1189.6E6	49.023	49.725
11)	B alpha-Chl...	6.027	5.190	237.5E6	1114.3E6	49.078	48.664
12)	B 4,4'-DDE	6.196	5.375	211.6E6	1105.2E6	48.531	48.230
13)	MA Dieldrin	6.347	5.511	230.9E6	1118.5E6	48.120	48.195m
14)	MA Endrin	6.574	5.789	187.9E6	1007.1E6	45.550	46.381
15)	B Endosulfa...	6.786	6.080	188.9E6	949.8E6	46.792	47.027
16)	A 4,4'-DDD	6.705	5.929	176.0E6	899.1E6	51.278	47.000
17)	MA 4,4'-DDT	7.021	6.183	150.3E6	820.2E6	39.689	40.445
18)	B Endrin al...	6.915	6.258	142.7E6	709.2E6	46.571	46.319
19)	B Endosulfa...	7.150	6.482	176.6E6	896.8E6	46.018	45.706
20)	A Methoxychlor	7.493	6.752	75092398	412.4E6	37.163	38.301m
21)	B Endrin ke...	7.630	6.991	194.5E6	990.0E6	47.754	45.830
22)	Mirex	8.114	7.184	137.4E6	736.9E6	45.209	44.184

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

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Data File : PD089292.D
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Acq On : 01 Jul 2025 20:43
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Sample : Q2458-04MSD
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Instrument :

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ClientSampleId :

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Manual Integrations

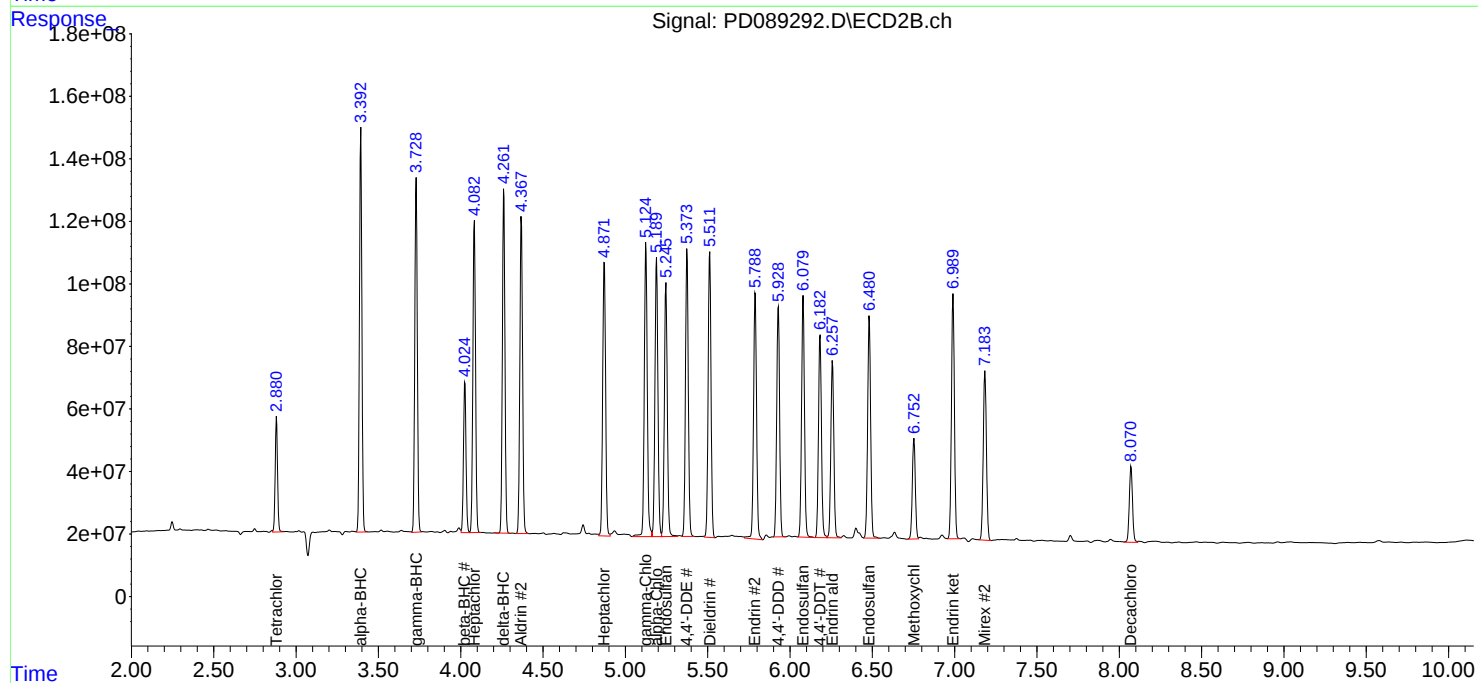
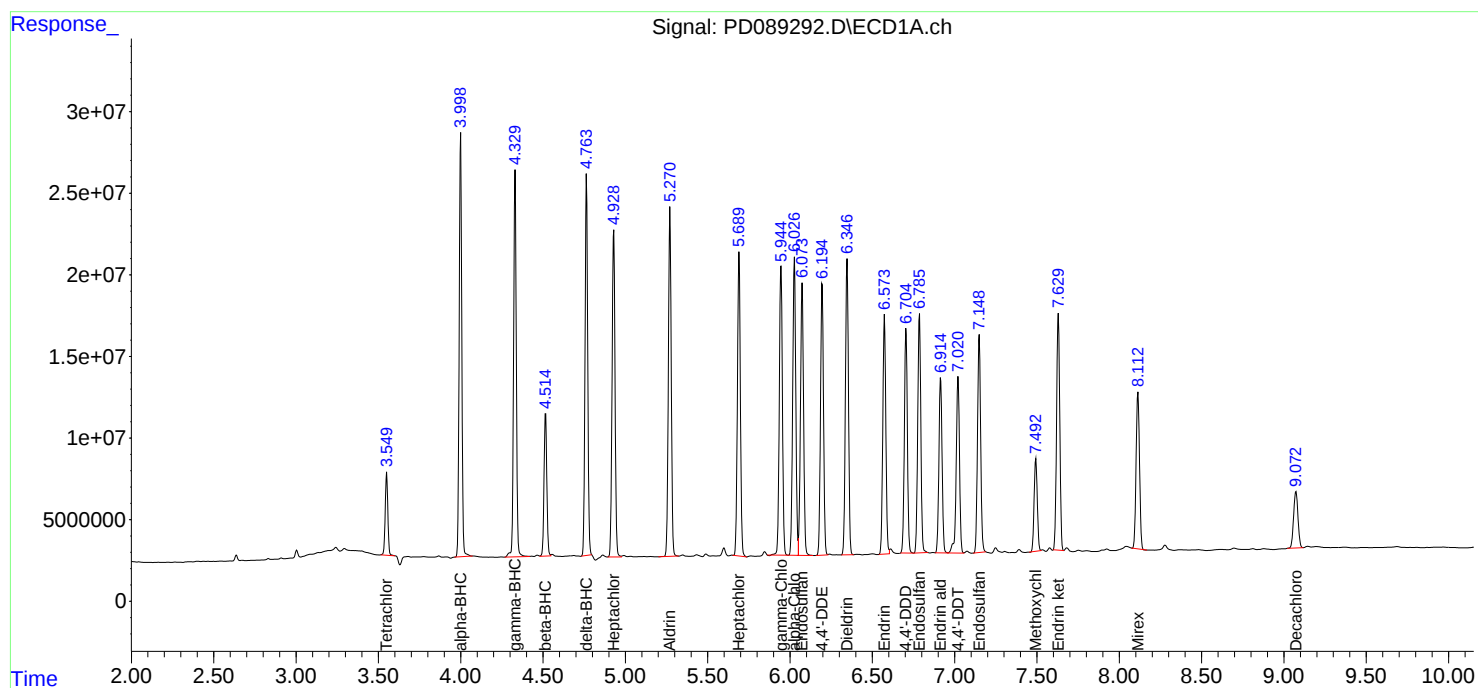
APPROVED

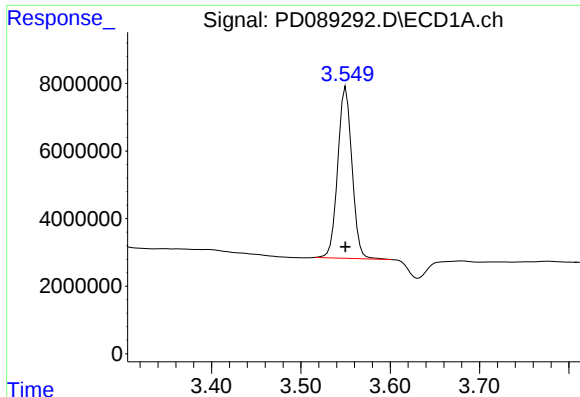
Reviewed By :Abdul Mirza 07/02/2025

Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:51:48 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





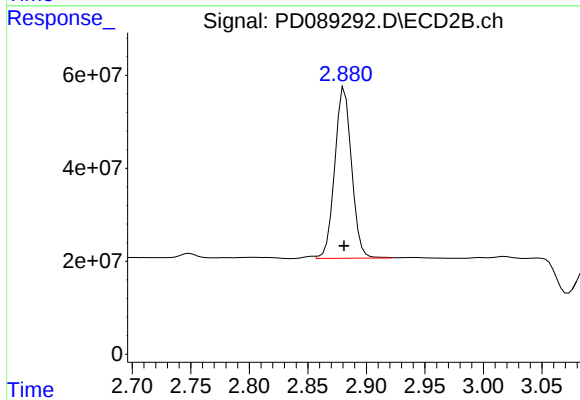
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 56098549
Conc: 19.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-67MSD

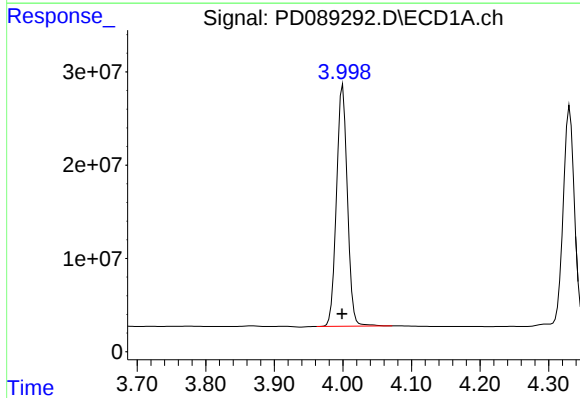
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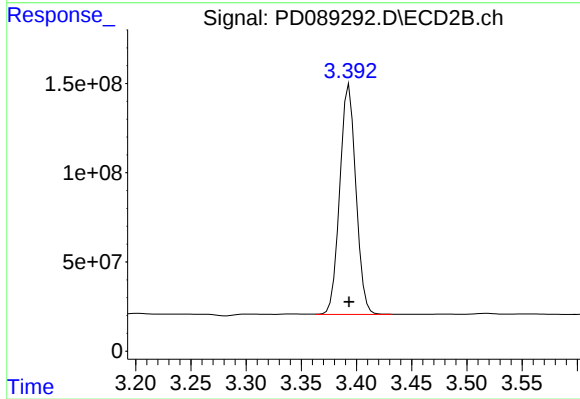
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 367043501
Conc: 21.65 ng/ml m



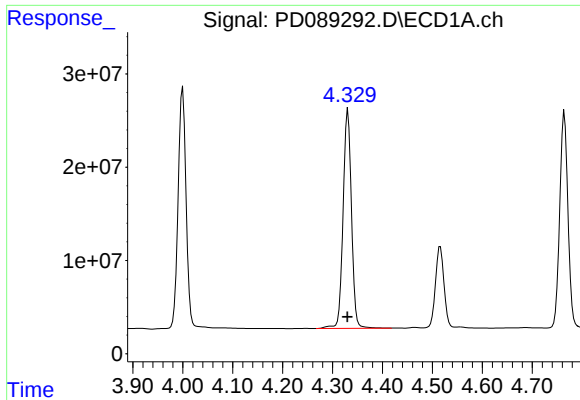
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 285799558
Conc: 49.03 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: -0.001 min
Response: 1310299510
Conc: 48.90 ng/ml m



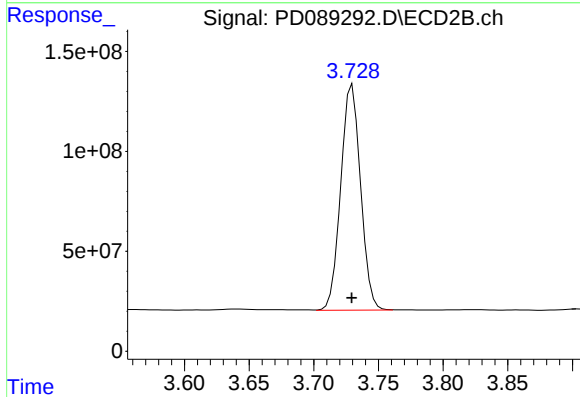
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 274740375
Conc: 49.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-67MSD

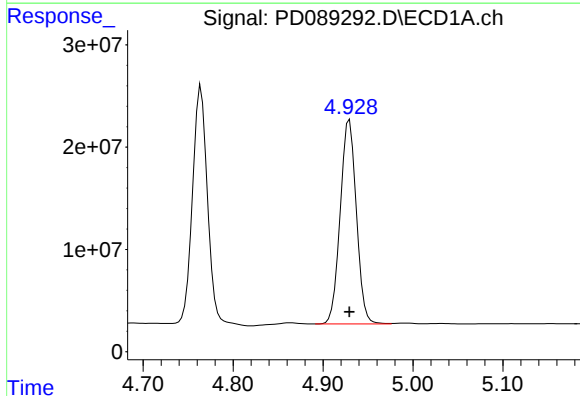
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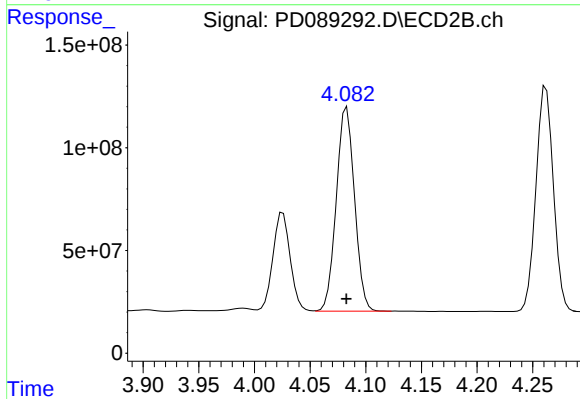
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: 0.000 min
Response: 1202676419
Conc: 48.58 ng/ml m



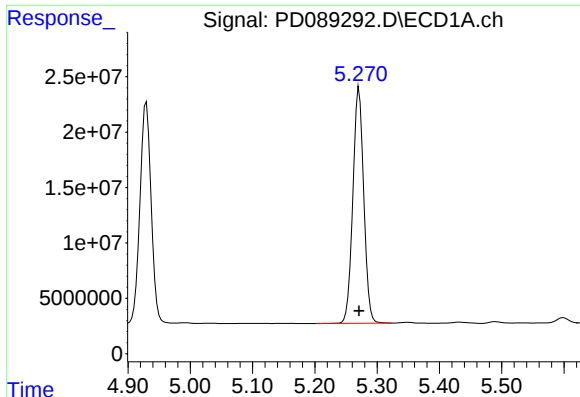
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 248865311
Conc: 45.65 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 1131528504
Conc: 45.19 ng/ml



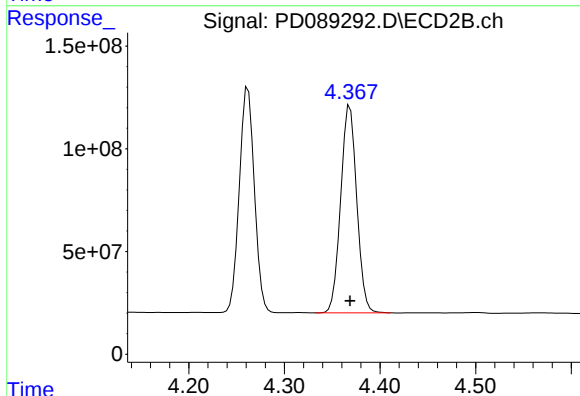
#5 Aldrin

R.T.: 5.271 min
Delta R.T.: 0.000 min
Response: 260297751
Conc: 48.99 ng/ml

Instrument :
ECD_D
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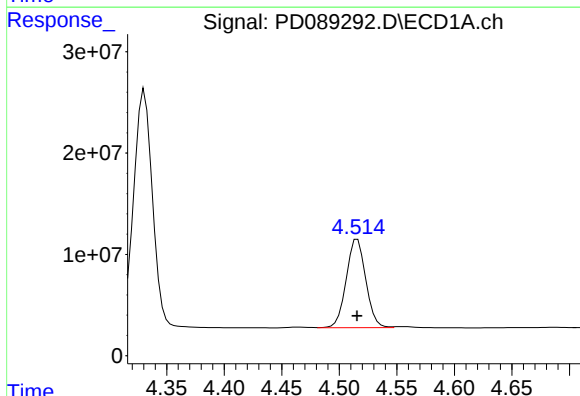
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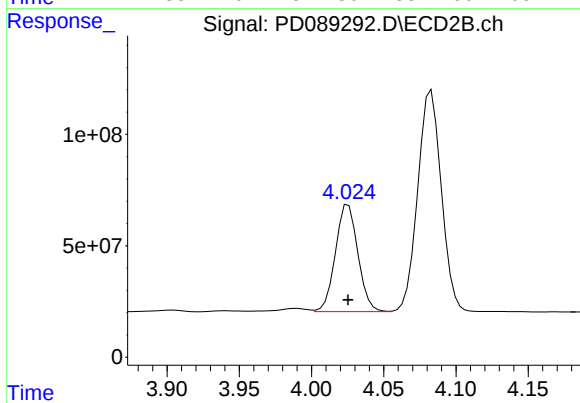
#5 Aldrin

R.T.: 4.369 min
Delta R.T.: 0.000 min
Response: 1180616407
Conc: 48.75 ng/ml



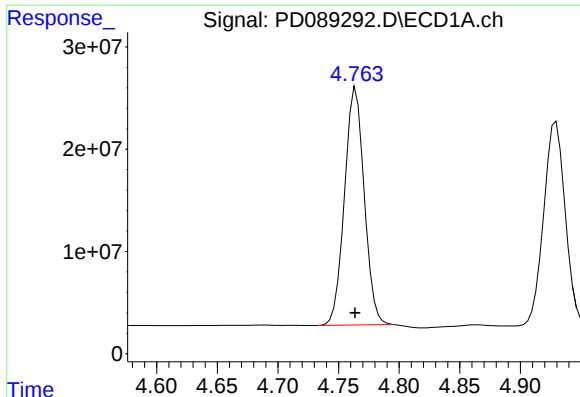
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 103585286
Conc: 46.93 ng/ml



#6 beta-BHC

R.T.: 4.026 min
Delta R.T.: 0.000 min
Response: 519000641
Conc: 48.30 ng/ml



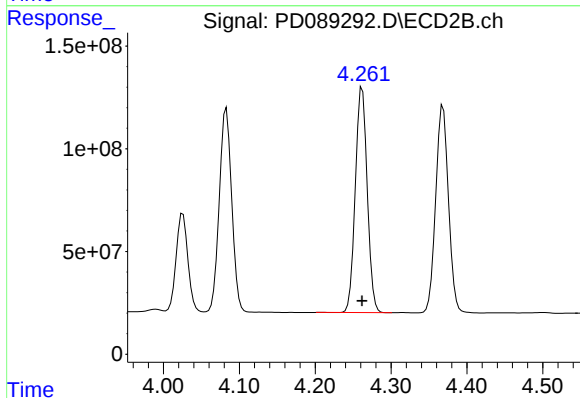
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 263071305
Conc: 51.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-67MSD

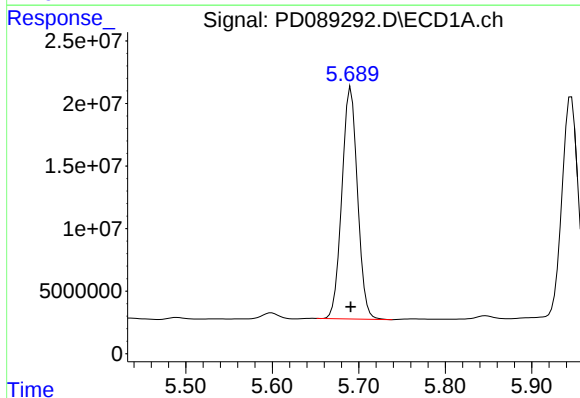
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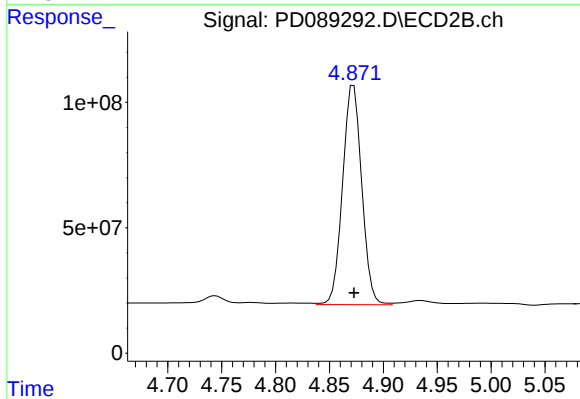
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 1197315615
Conc: 48.14 ng/ml



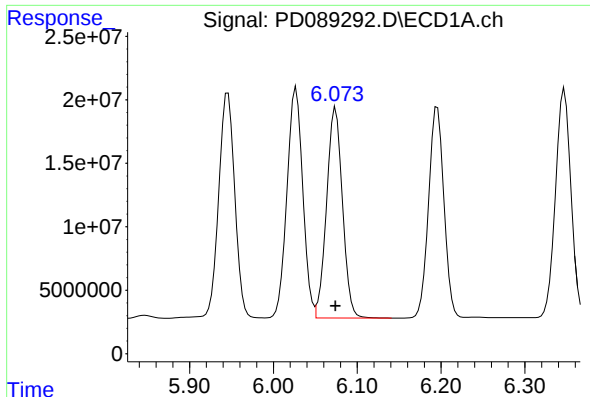
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 230843760
Conc: 47.85 ng/ml



#8 Heptachlor epoxide

R.T.: 4.872 min
Delta R.T.: 0.000 min
Response: 1080873222
Conc: 49.36 ng/ml



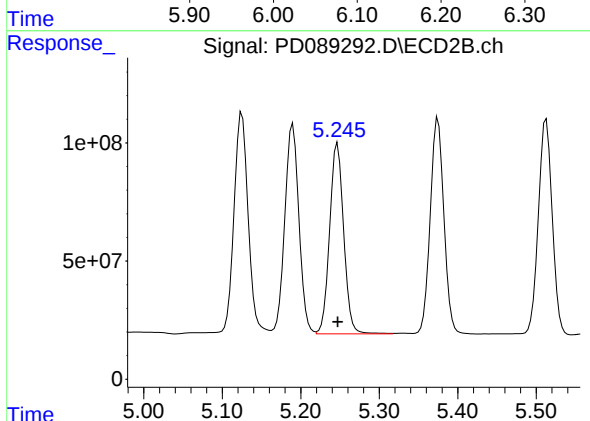
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 217946462
Conc: 48.35 ng/ml

Instrument :
ECD_D
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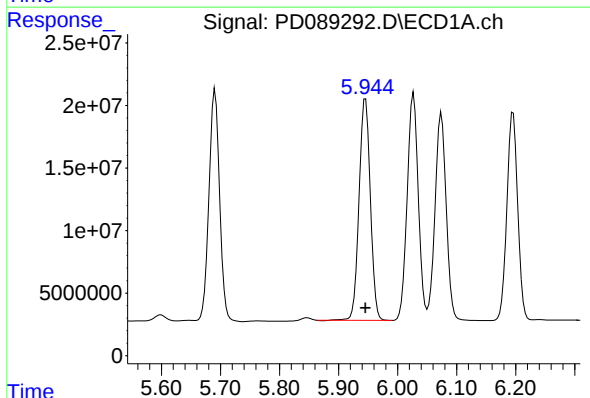
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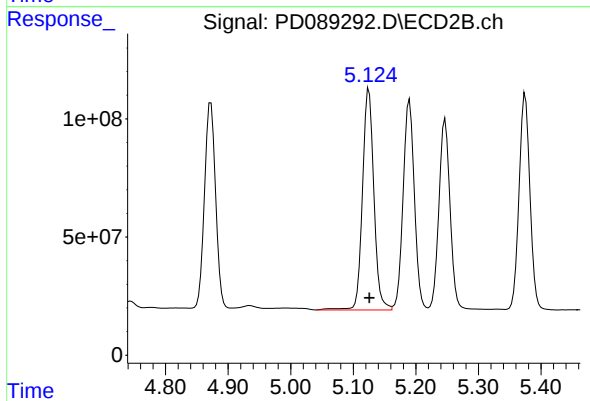
#9 Endosulfan I

R.T.: 5.247 min
Delta R.T.: 0.000 min
Response: 1003796502
Conc: 48.16 ng/ml



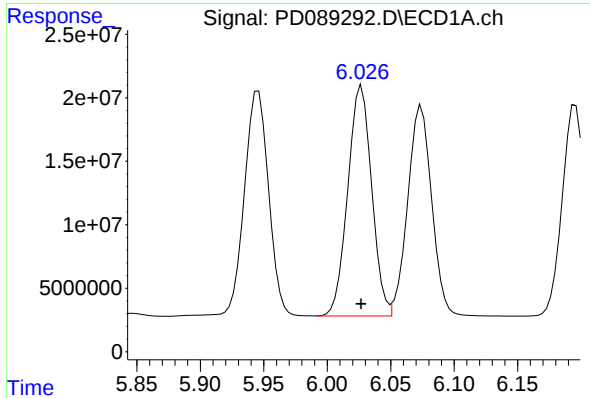
#10 gamma-Chlordane

R.T.: 5.946 min
Delta R.T.: 0.000 min
Response: 234729924
Conc: 49.02 ng/ml



#10 gamma-Chlordane

R.T.: 5.125 min
Delta R.T.: 0.000 min
Response: 1189550177
Conc: 49.72 ng/ml



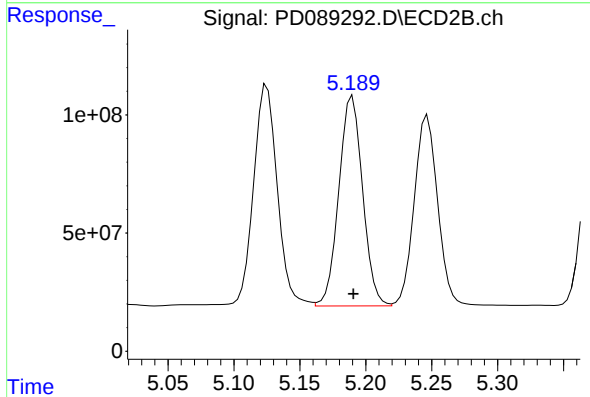
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 237463984
Conc: 49.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-67MSD

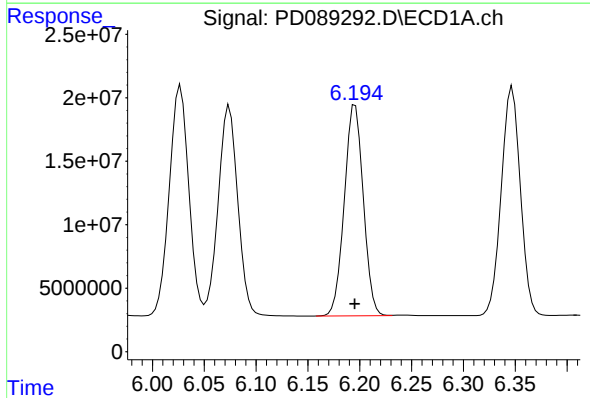
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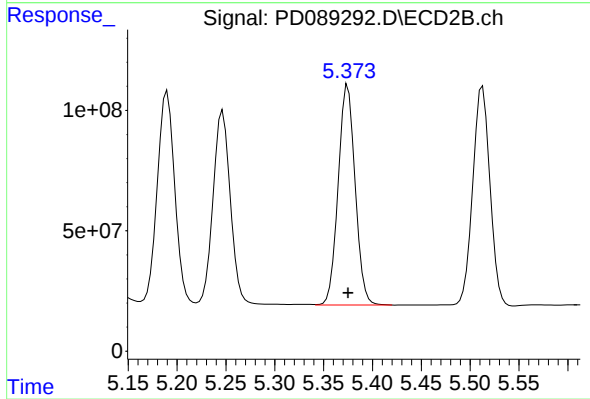
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: 0.000 min
Response: 1114253571
Conc: 48.66 ng/ml



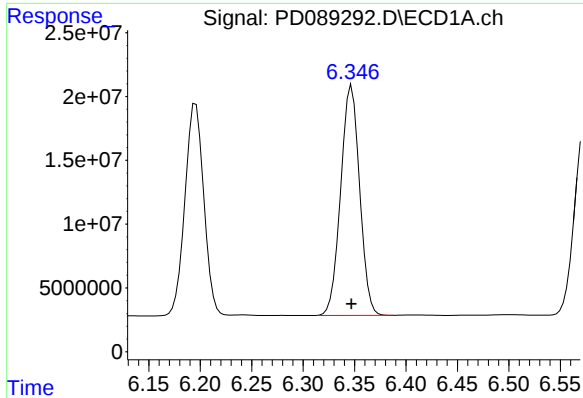
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 211646470
Conc: 48.53 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 1105237022
Conc: 48.23 ng/ml



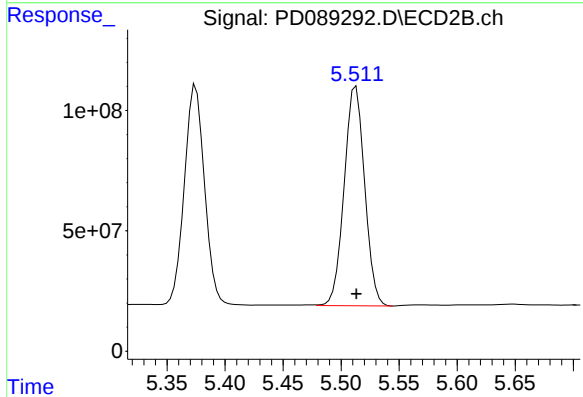
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.000 min
Response: 230851699
Conc: 48.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
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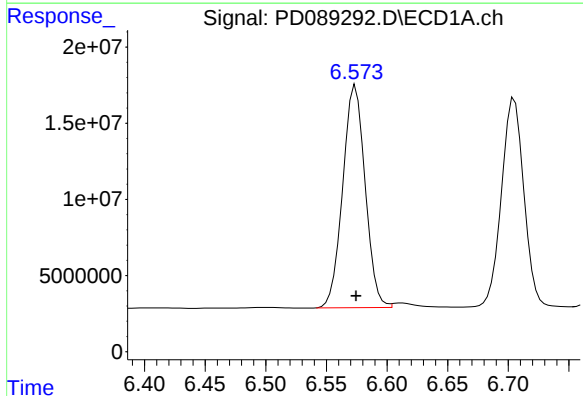
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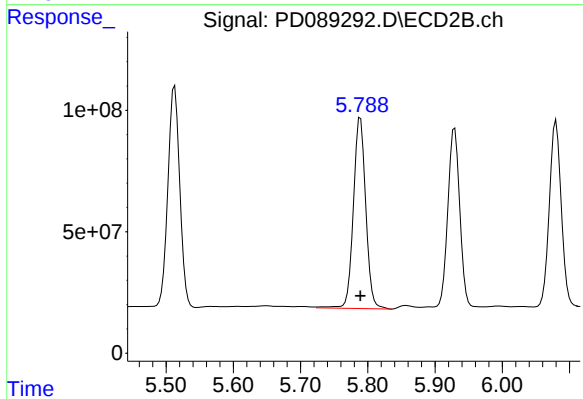
#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: -0.002 min
Response: 1118527843
Conc: 48.19 ng/ml m



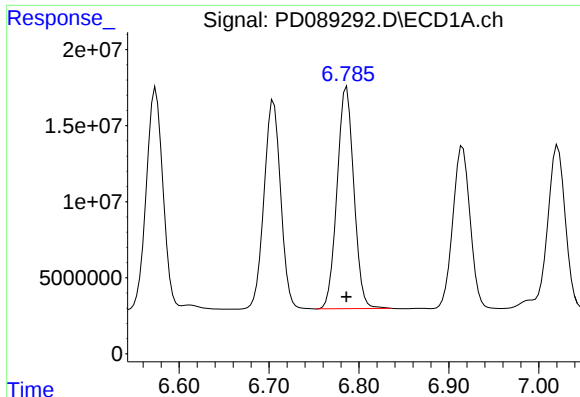
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 187920064
Conc: 45.55 ng/ml



#14 Endrin

R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 1007105371
Conc: 46.38 ng/ml



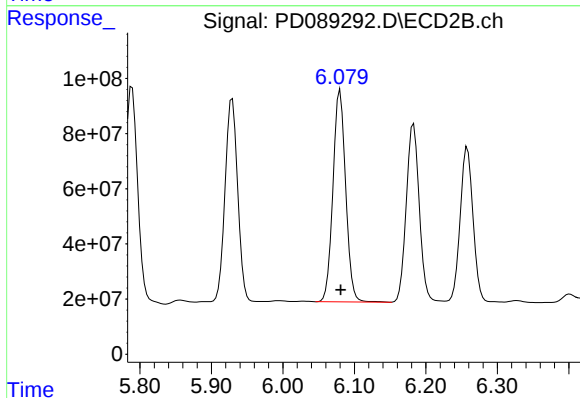
#15 Endosulfan II

R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 188880937
Conc: 46.79 ng/ml

Instrument :
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ClientSampleId :
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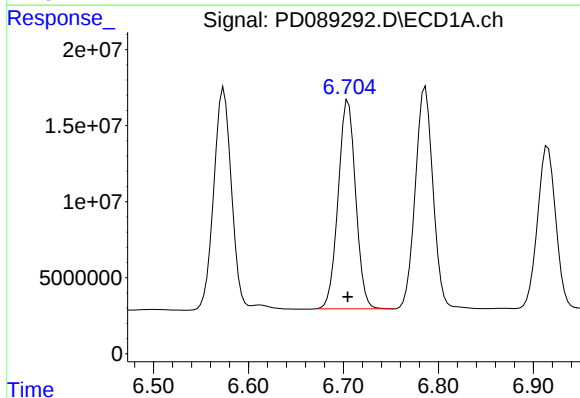
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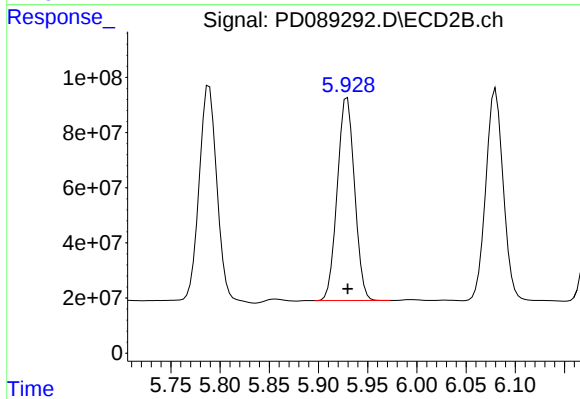
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: 0.000 min
Response: 949789338
Conc: 47.03 ng/ml



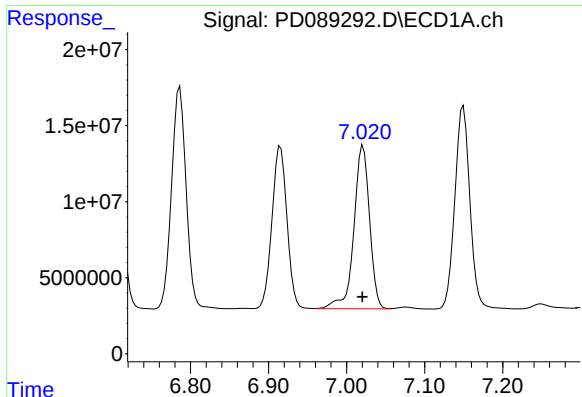
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 175987541
Conc: 51.28 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 899089487
Conc: 47.00 ng/ml



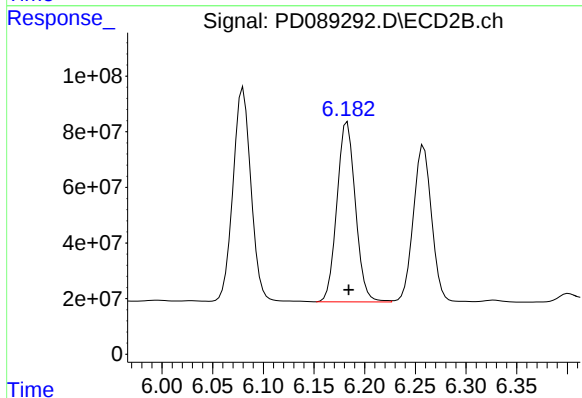
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 150349006
Conc: 39.69 ng/ml

Instrument :
ECD_D
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TP-67MSD

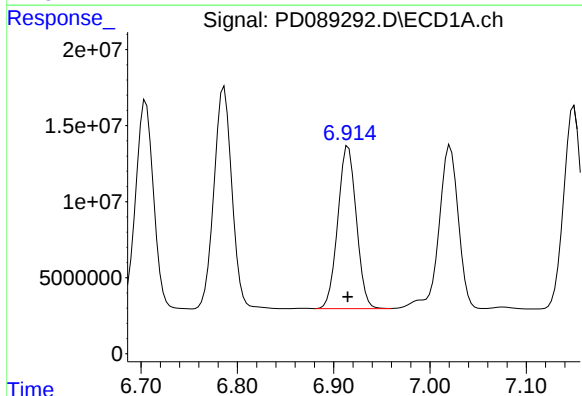
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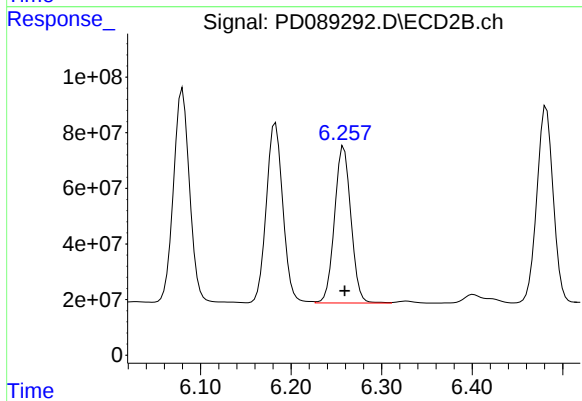
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.001 min
Response: 820198586
Conc: 40.45 ng/ml



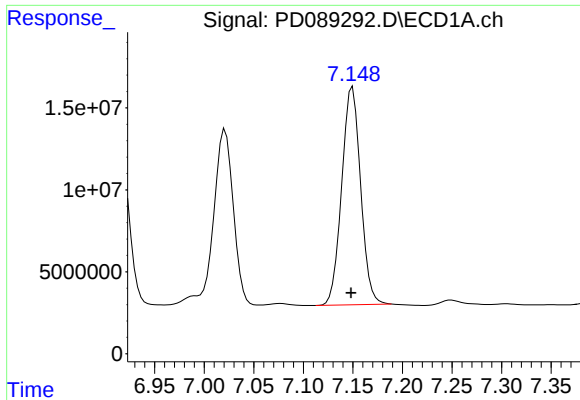
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 142690694
Conc: 46.57 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: 0.000 min
Response: 709203699
Conc: 46.32 ng/ml



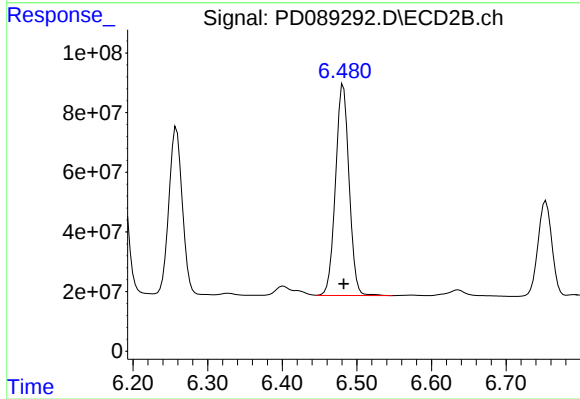
#19 Endosulfan Sulfate

R.T.: 7.150 min
Delta R.T.: 0.001 min
Response: 176581977
Conc: 46.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
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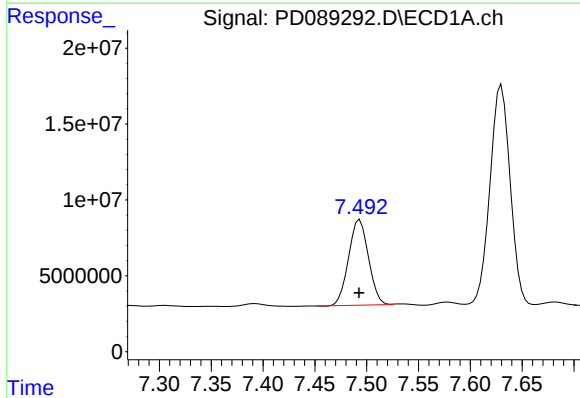
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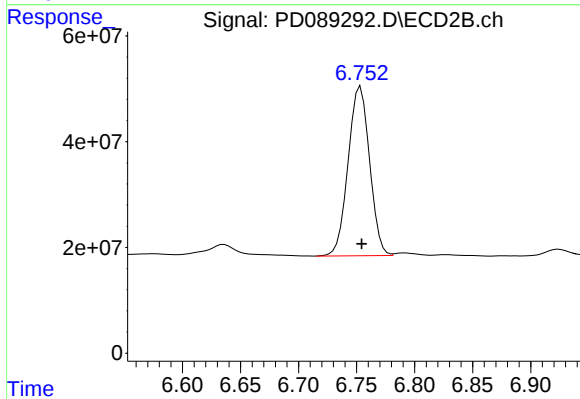
#19 Endosulfan Sulfate

R.T.: 6.482 min
Delta R.T.: 0.000 min
Response: 896790864
Conc: 45.71 ng/ml



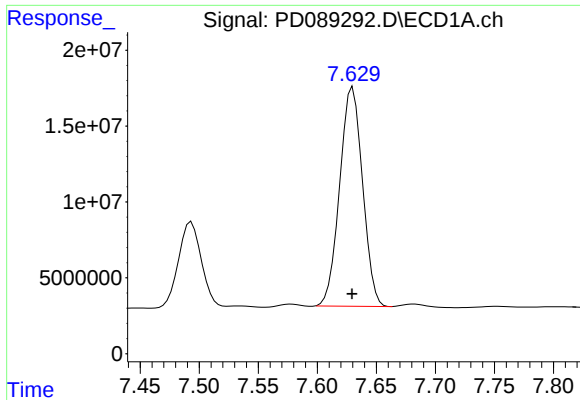
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 75092398
Conc: 37.16 ng/ml



#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: -0.002 min
Response: 412428207
Conc: 38.30 ng/ml m



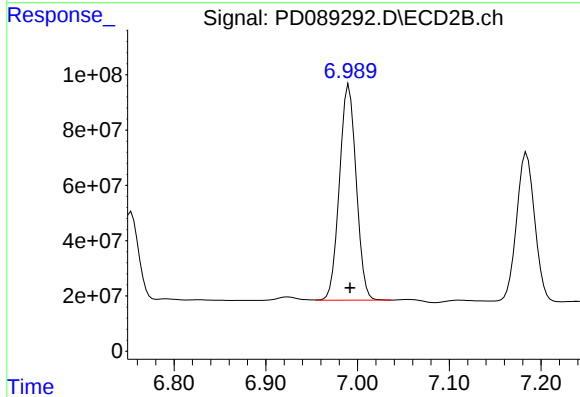
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 194504388
Conc: 47.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-67MSD

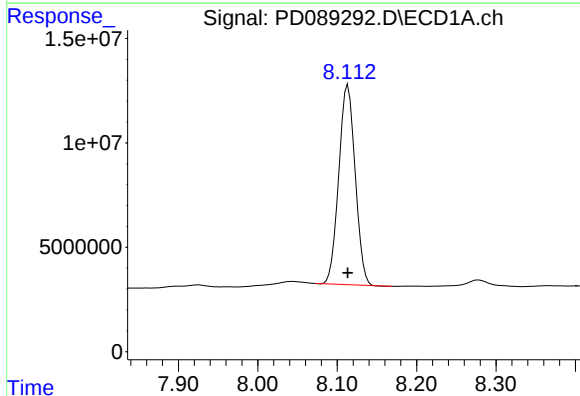
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025



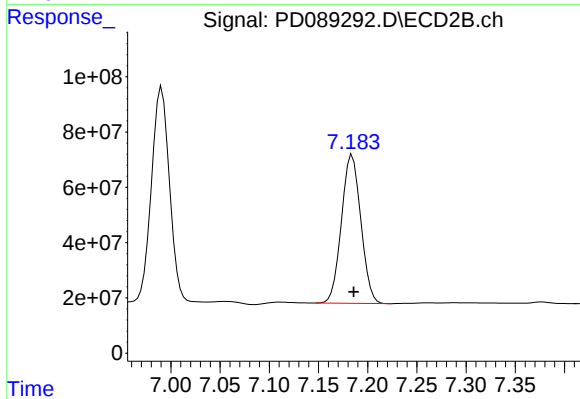
#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: -0.001 min
Response: 989998524
Conc: 45.83 ng/ml



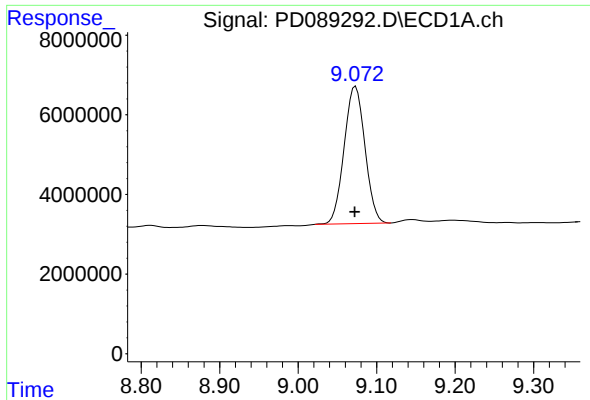
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.000 min
Response: 137442300
Conc: 45.21 ng/ml



#22 Mirex

R.T.: 7.184 min
Delta R.T.: -0.001 min
Response: 736915590
Conc: 44.18 ng/ml



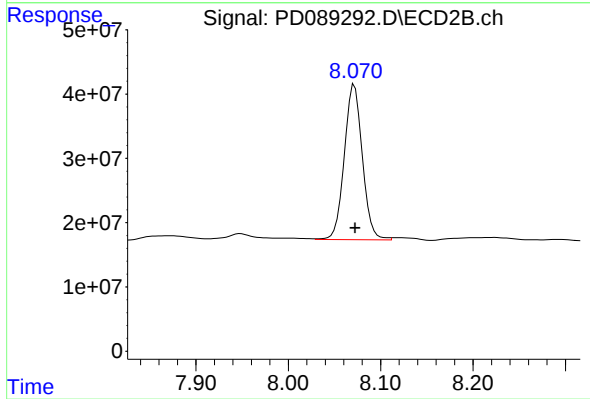
#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.001 min
Response: 63612232
Conc: 16.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-67MSD

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 327648631
Conc: 16.57 ng/ml