

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101325\
 Data File : PL097613.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Oct 2025 10:47
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/14/2025
 Supervised By :mohammad ahmed 10/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 14 02:23:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 16:47:00 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.525	2.823	88245494	122.7E6	21.646	20.165
28)	SA Decachlor...	8.998	7.981	66810146	98485661	22.467	18.979
Target Compounds							
2)	A alpha-BHC	3.972	3.327	64287136	88157460	9.530	8.935
3)	MA gamma-BHC...	4.299	3.659	61882997	81764525	9.736	8.900
6)	B beta-BHC	4.487	3.955	26526444	37498580	10.260	9.426
12)	B 4,4'-DDE	6.151	5.293	2866669	1810444	0.616m	0.238m#
14)	MA Endrin	6.529	5.700	197.2E6	300.9E6	44.079	40.648
16)	A 4,4'-DDD	6.663	5.847	27259472	42593171	7.224	6.677
17)	MA 4,4'-DDT	6.977	6.099	351.8E6	533.6E6	86.766	80.079
18)	B Endrin al...	6.870	6.171	4561268	10919834	1.392m	1.896 #
20)	A Methoxychlor	7.450	6.671	418.4E6	618.2E6	200.280	169.586
21)	B Endrin ke...	7.584	6.897	15681714	27453417	3.662	3.475

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

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Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

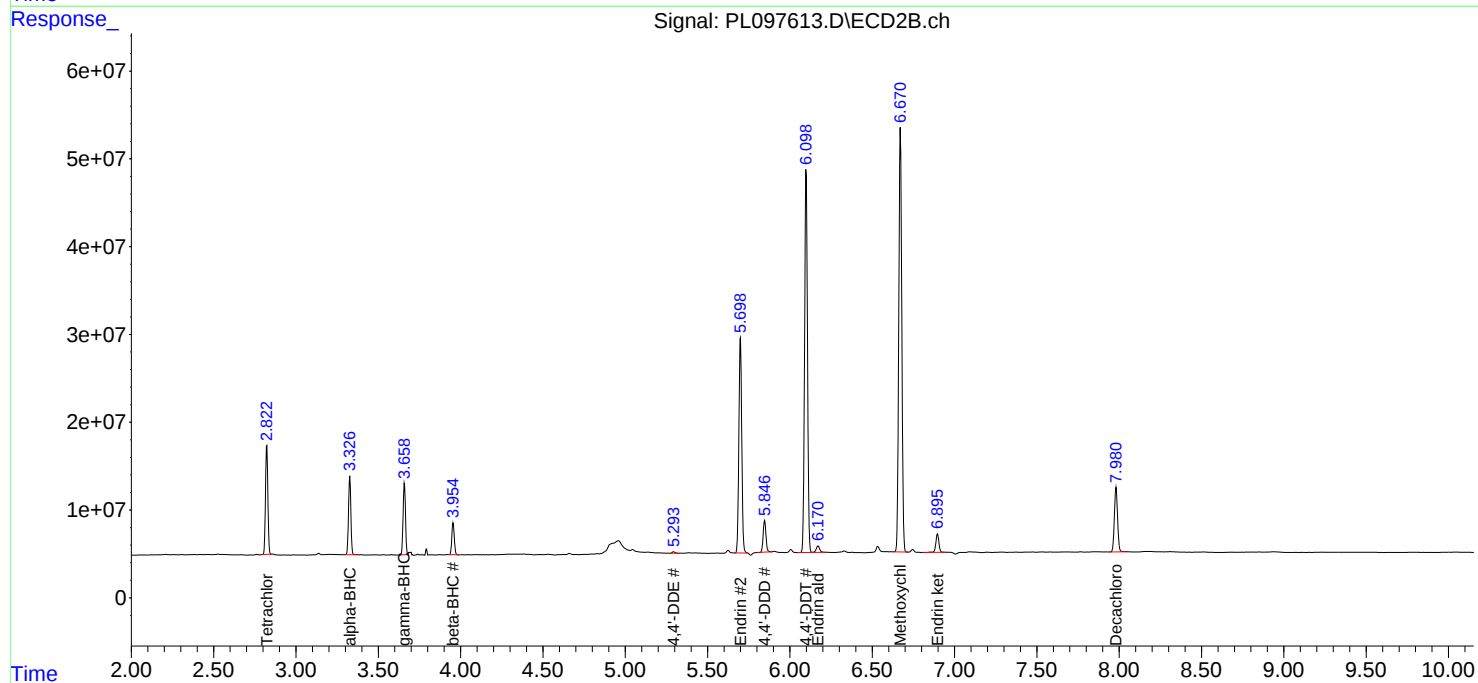
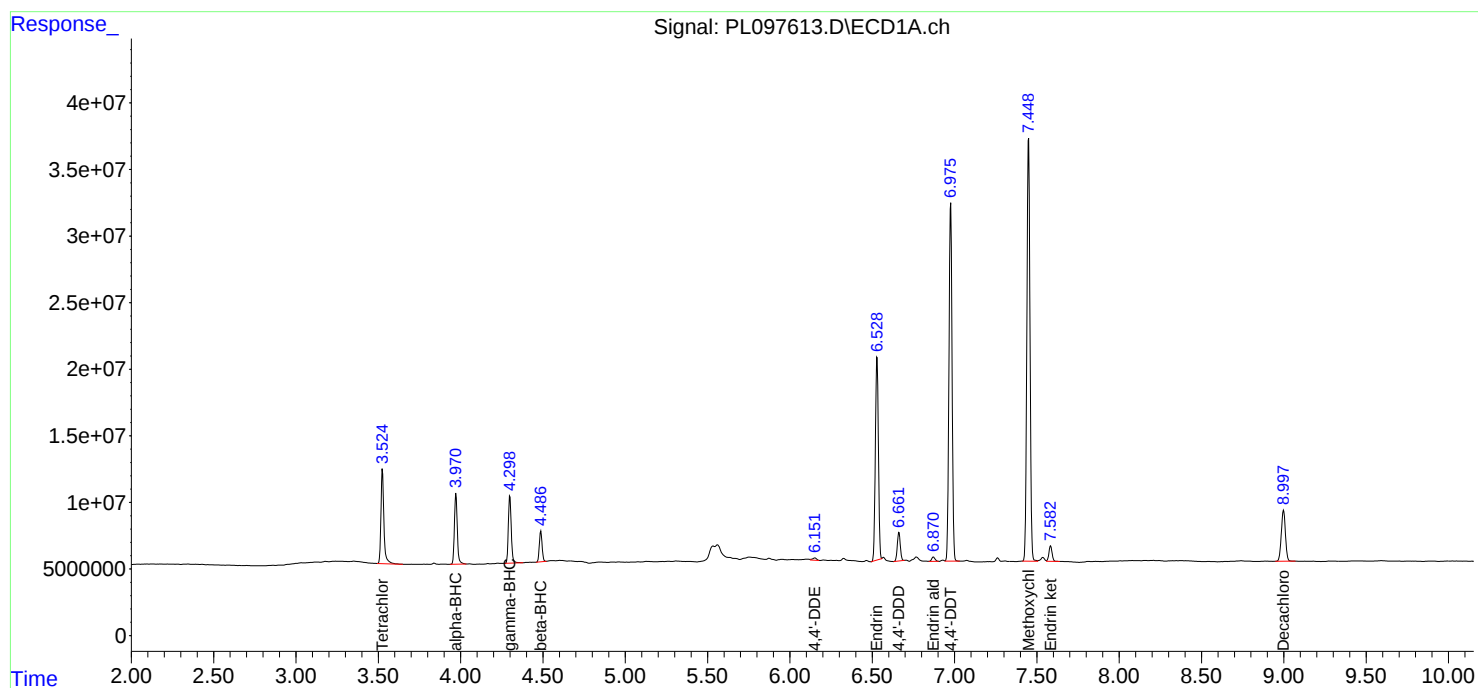
Instrument :
ECD_L
ClientSampleId :
PEM

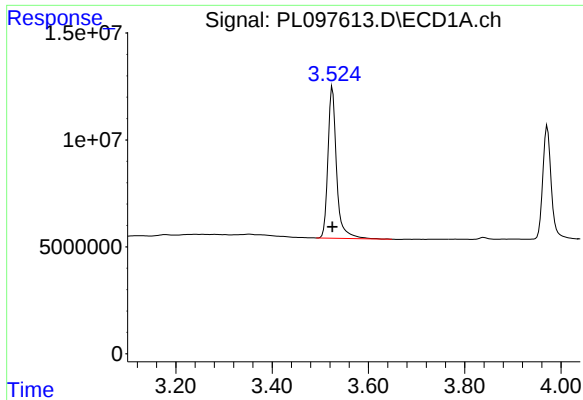
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
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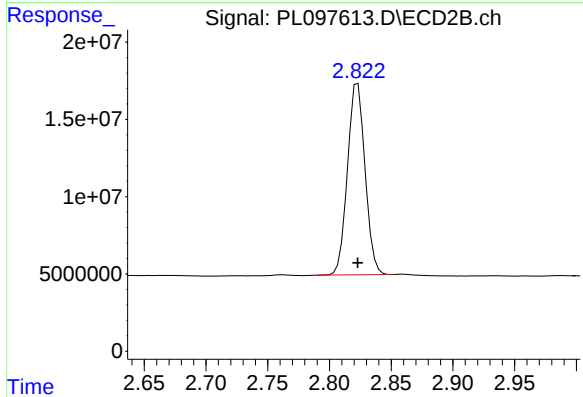
#1 Tetrachloro-m-xylene

R.T.: 3.525 min
Delta R.T.: 0.000 min
Response: 88245494
Conc: 21.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

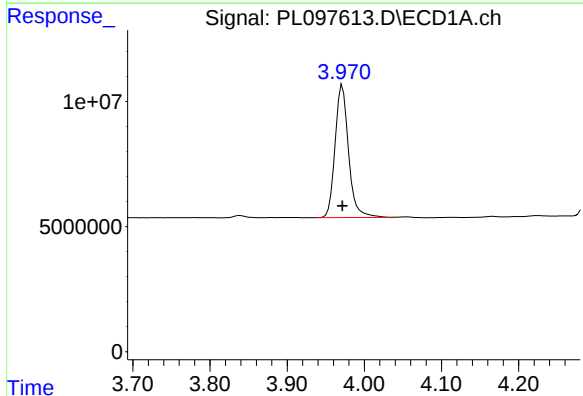
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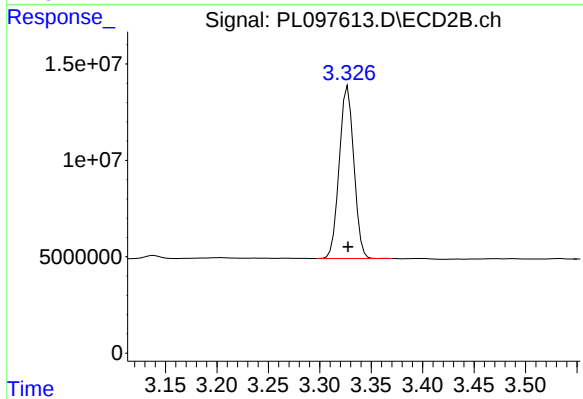
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: 0.000 min
Response: 122732610
Conc: 20.17 ng/ml



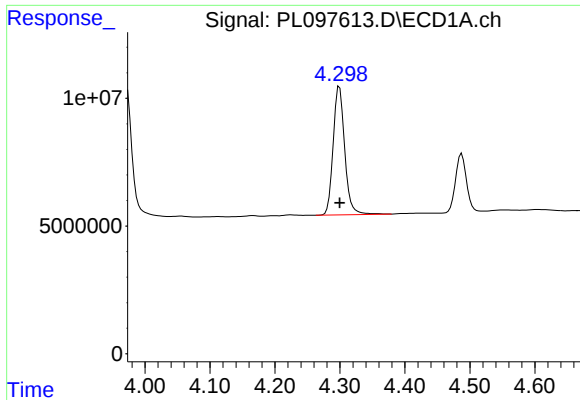
#2 alpha-BHC

R.T.: 3.972 min
Delta R.T.: 0.000 min
Response: 64287136
Conc: 9.53 ng/ml



#2 alpha-BHC

R.T.: 3.327 min
Delta R.T.: 0.000 min
Response: 88157460
Conc: 8.93 ng/ml



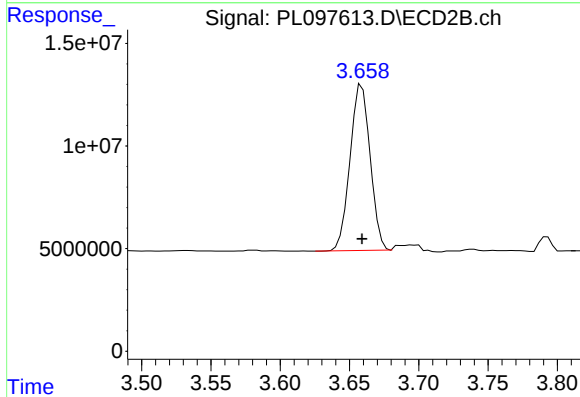
#3 gamma-BHC (Lindane)

R.T.: 4.299 min
Delta R.T.: 0.000 min
Response: 61882997
Conc: 9.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

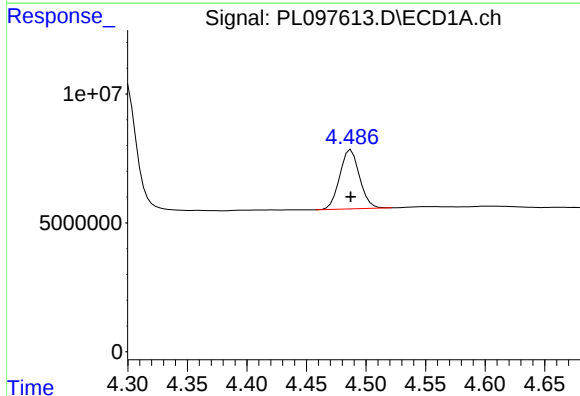
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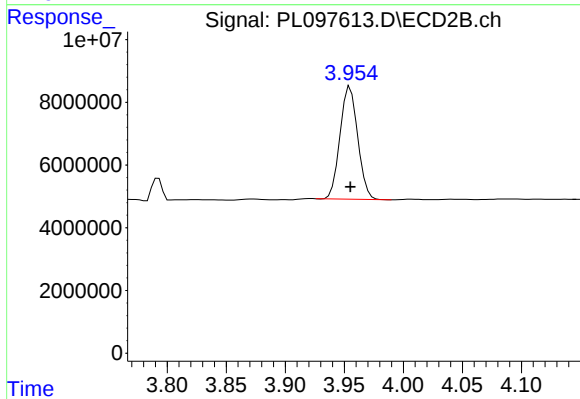
#3 gamma-BHC (Lindane)

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 81764525
Conc: 8.90 ng/ml



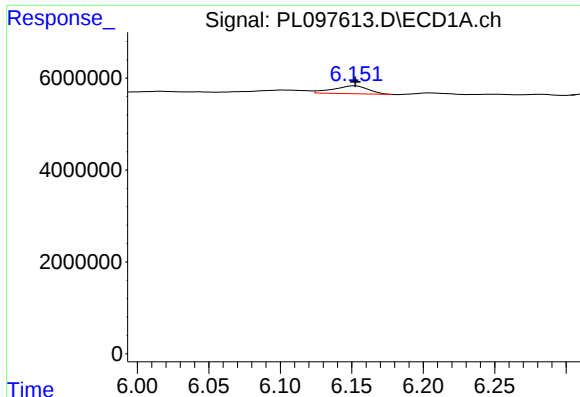
#6 beta-BHC

R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 26526444
Conc: 10.26 ng/ml



#6 beta-BHC

R.T.: 3.955 min
Delta R.T.: 0.000 min
Response: 37498580
Conc: 9.43 ng/ml



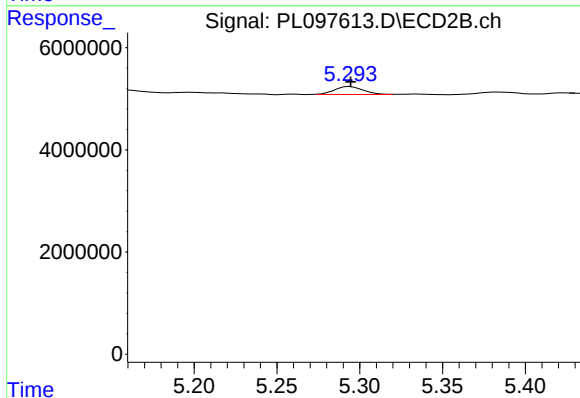
#12 4,4'-DDE

R.T.: 6.151 min
Delta R.T.: -0.001 min
Response: 2866669
Conc: 0.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

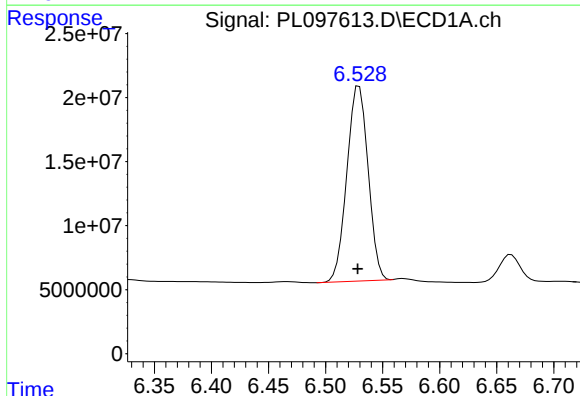
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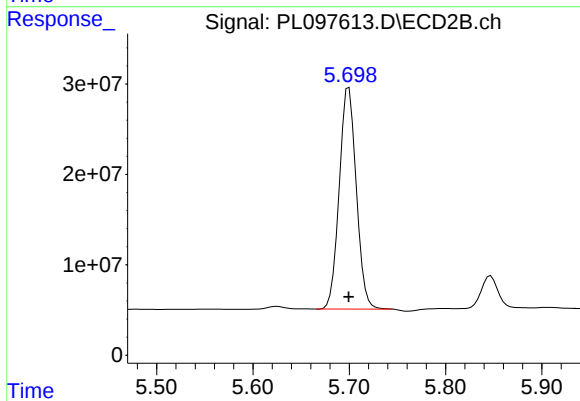
#12 4,4'-DDE

R.T.: 5.293 min
Delta R.T.: -0.002 min
Response: 1810444
Conc: 0.24 ng/ml m



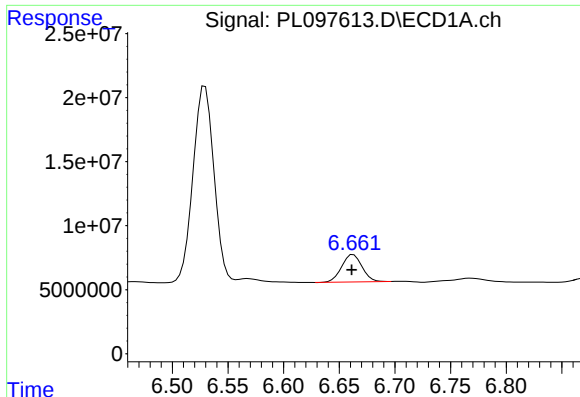
#14 Endrin

R.T.: 6.529 min
Delta R.T.: 0.001 min
Response: 197225113
Conc: 44.08 ng/ml



#14 Endrin

R.T.: 5.700 min
Delta R.T.: 0.000 min
Response: 300854493
Conc: 40.65 ng/ml



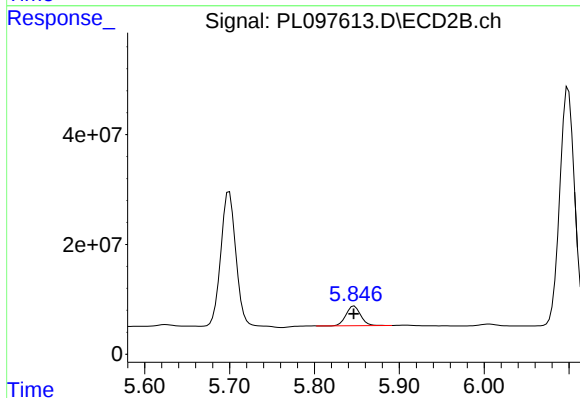
#16 4,4'-DDD

R.T.: 6.663 min
Delta R.T.: 0.002 min
Response: 27259472
Conc: 7.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

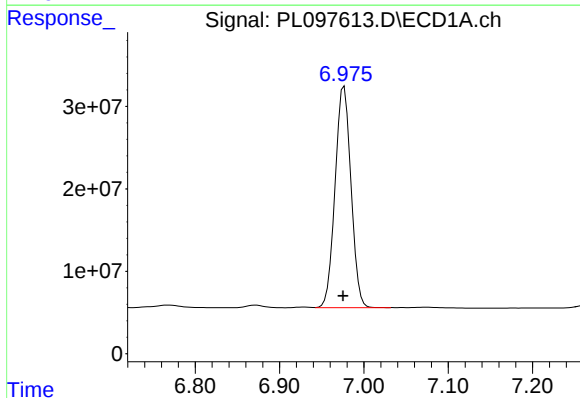
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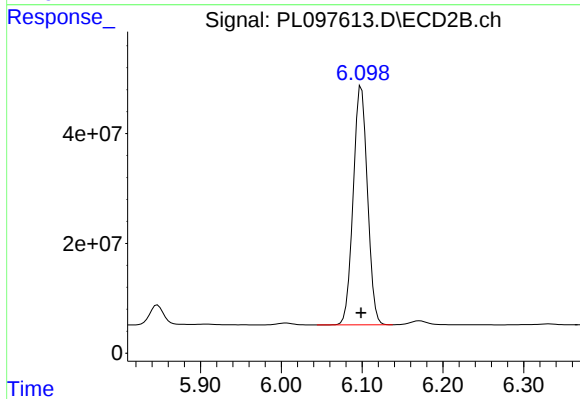
#16 4,4'-DDD

R.T.: 5.847 min
Delta R.T.: 0.000 min
Response: 42593171
Conc: 6.68 ng/ml



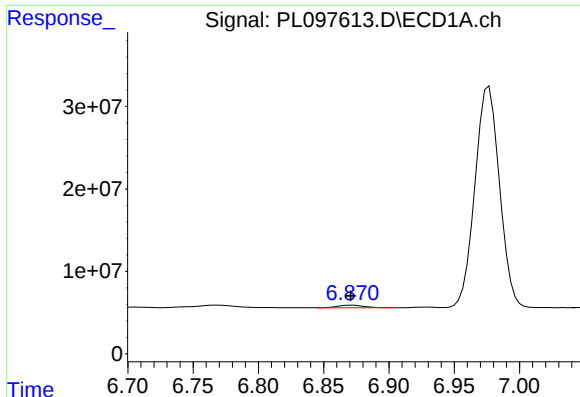
#17 4,4'-DDT

R.T.: 6.977 min
Delta R.T.: 0.001 min
Response: 351810308
Conc: 86.77 ng/ml



#17 4,4'-DDT

R.T.: 6.099 min
Delta R.T.: 0.000 min
Response: 533599721
Conc: 80.08 ng/ml



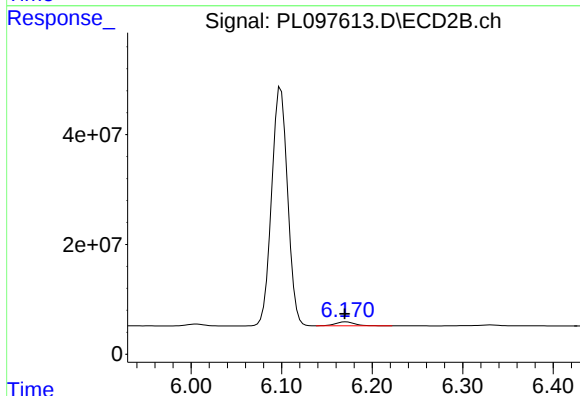
#18 Endrin aldehyde

R.T.: 6.870 min
Delta R.T.: 0.000 min
Response: 4561268
Conc: 1.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

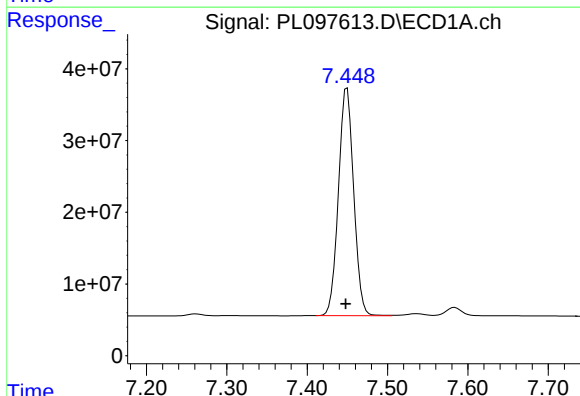
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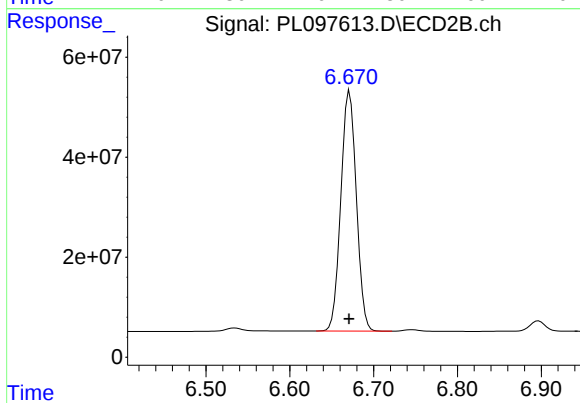
#18 Endrin aldehyde

R.T.: 6.171 min
Delta R.T.: 0.002 min
Response: 10919834
Conc: 1.90 ng/ml



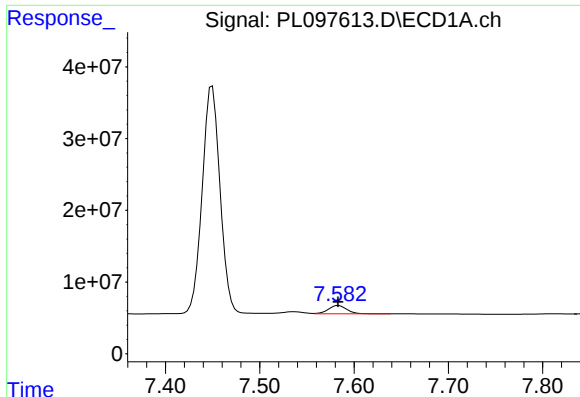
#20 Methoxychlor

R.T.: 7.450 min
Delta R.T.: 0.001 min
Response: 418384190
Conc: 200.28 ng/ml



#20 Methoxychlor

R.T.: 6.671 min
Delta R.T.: 0.000 min
Response: 618179013
Conc: 169.59 ng/ml



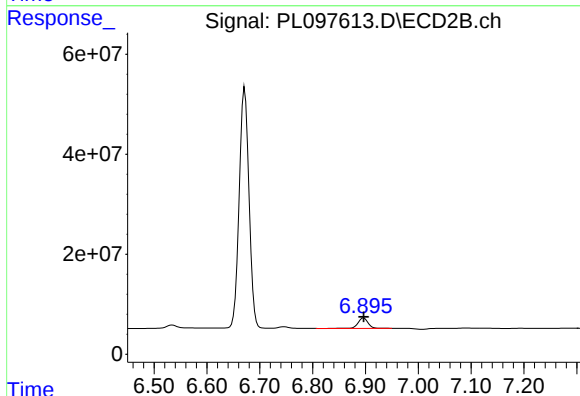
#21 Endrin ketone

R.T.: 7.584 min
Delta R.T.: 0.000 min
Response: 15681714
Conc: 3.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

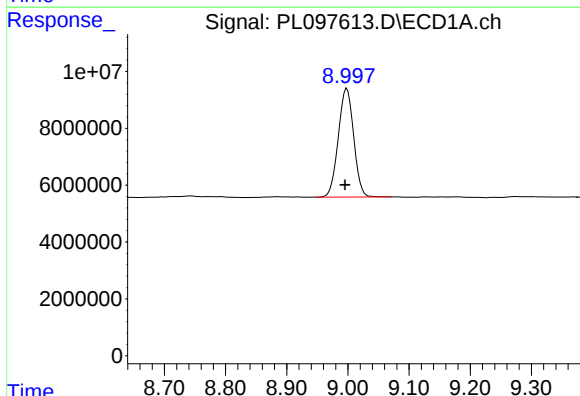
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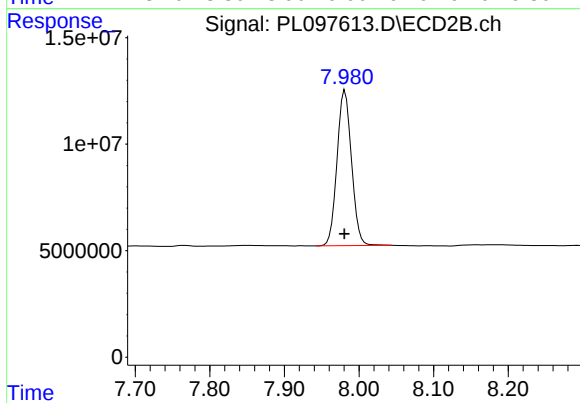
#21 Endrin ketone

R.T.: 6.897 min
Delta R.T.: 0.000 min
Response: 27453417
Conc: 3.48 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.998 min
Delta R.T.: 0.003 min
Response: 66810146
Conc: 22.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.981 min
Delta R.T.: 0.001 min
Response: 98485661
Conc: 18.98 ng/ml