

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100125\
 Data File : PL097468.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Oct 2025 09:45
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/03/2025
 Supervised By :mohammad ahmed 10/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 03 04:02:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 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	2.822	81831204	110.6E6	18.076	16.815
28)	SA Decachlor...	8.997	7.981	66552927	96763924	20.339	17.001
Target Compounds							
2)	A alpha-BHC	3.972	3.327	57995590	77372686	8.300	7.770
3)	MA gamma-BHC...	4.300	3.659	56549148	73041305	8.551	7.842
6)	B beta-BHC	4.487	3.955	24734118	34238405	9.073	8.429
12)	B 4,4'-DDE	6.151	5.293	1716921	1151873	0.360m	0.150m#
14)	MA Endrin	6.529	5.700	208.2E6	315.4E6	45.136	41.996
16)	A 4,4'-DDD	6.661	5.847	22562817	30597050	5.984m	4.744
17)	MA 4,4'-DDT	6.976	6.099	327.4E6	490.9E6	77.439	70.936
18)	B Endrin al...	6.872	6.170	2770687	4517063	0.899m	0.846m
20)	A Methoxychlor	7.449	6.671	398.5E6	588.2E6	191.109	156.045
21)	B Endrin ke...	7.584	6.896	8447796	14343979	1.990	1.905

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

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Acq On : 01 Oct 2025 09:45
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

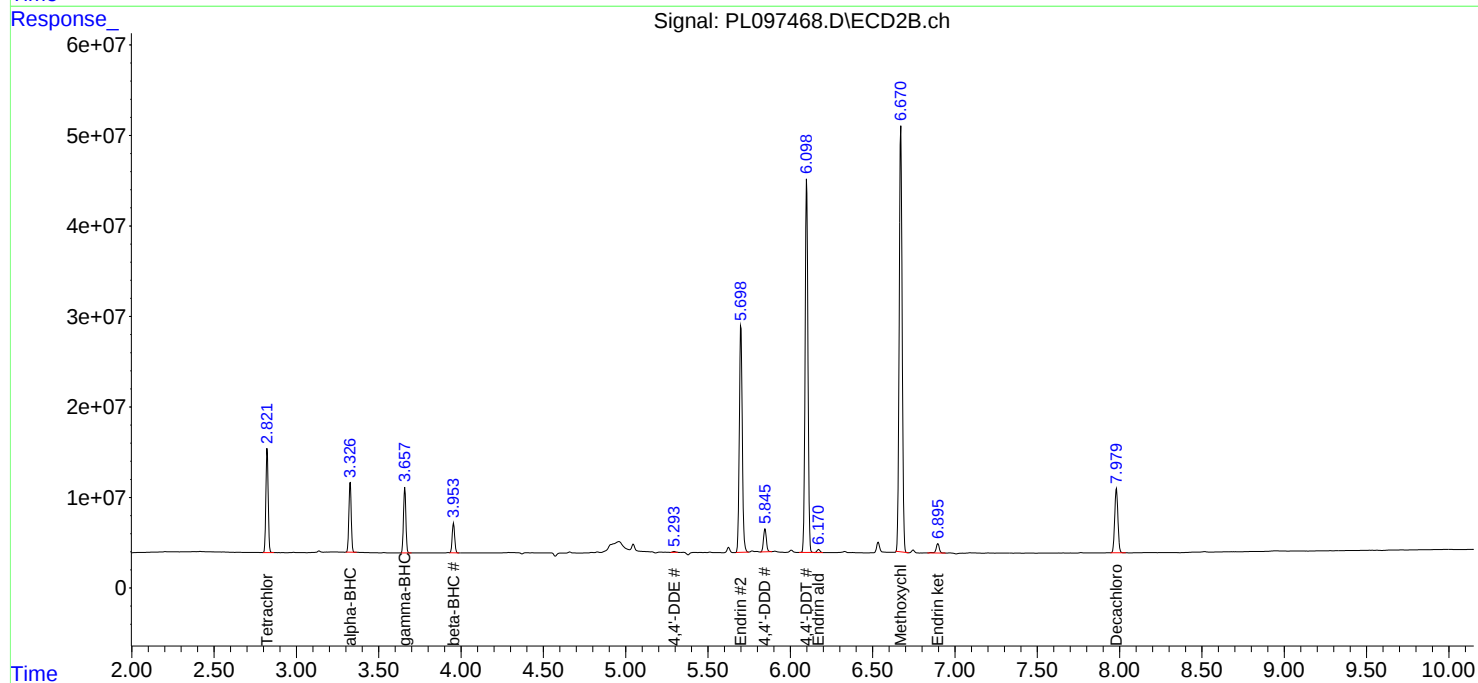
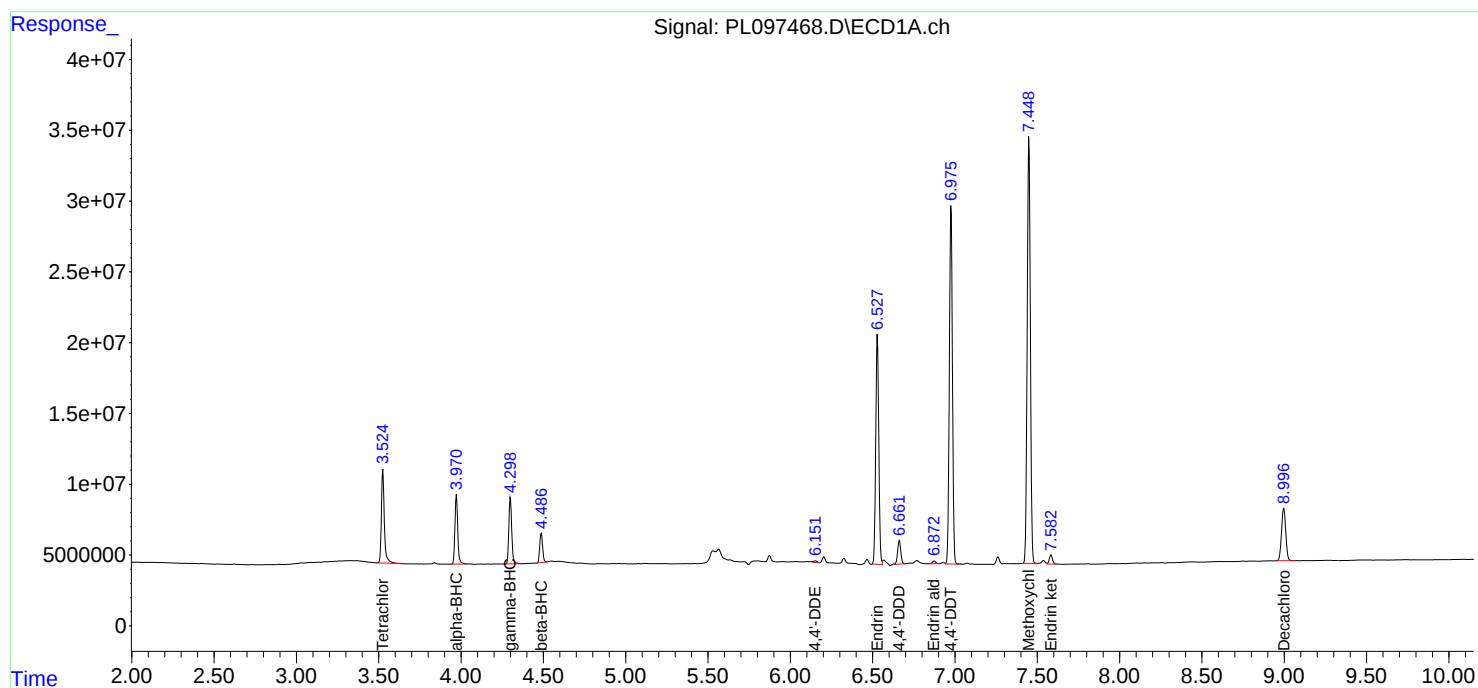
Instrument :
ECD_L
ClientSampleId :
PEM

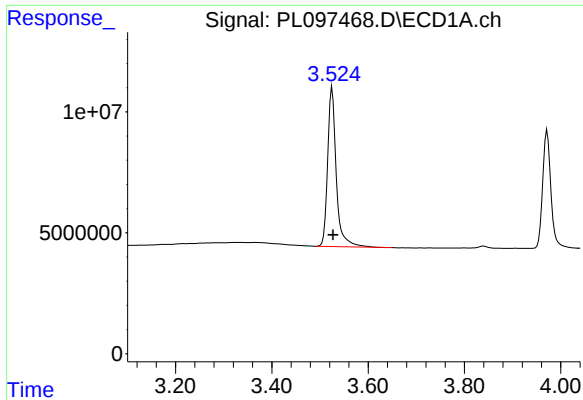
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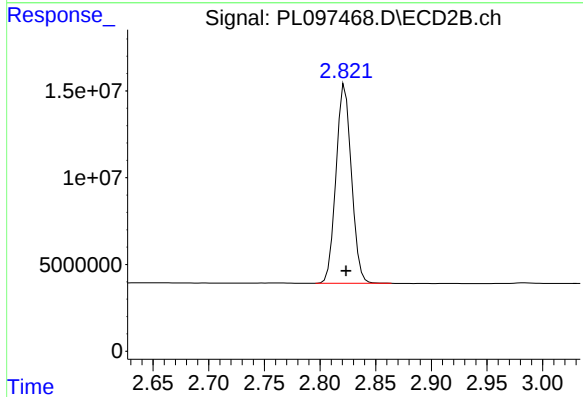
#1 Tetrachloro-m-xylene

R.T.: 3.525 min
Delta R.T.: -0.002 min
Response: 81831204
Conc: 18.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

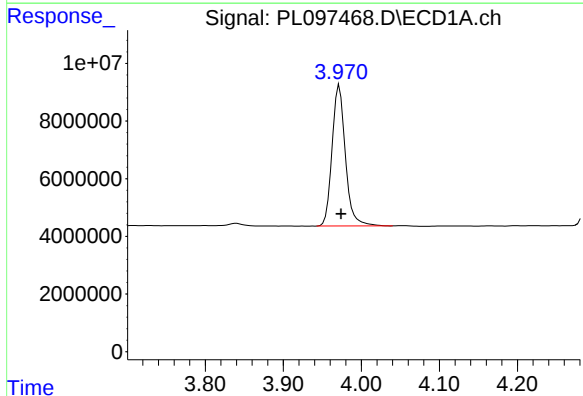
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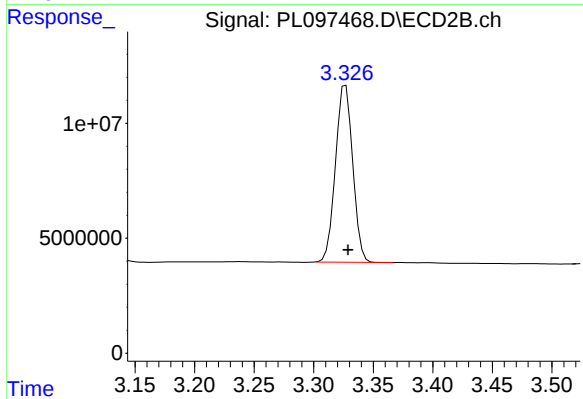
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.001 min
Response: 110569758
Conc: 16.82 ng/ml



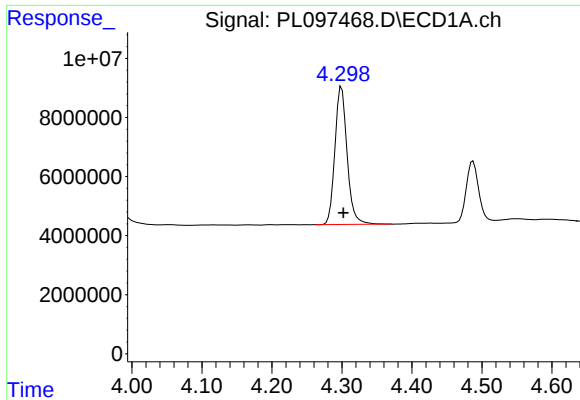
#2 alpha-BHC

R.T.: 3.972 min
Delta R.T.: -0.002 min
Response: 57995590
Conc: 8.30 ng/ml



#2 alpha-BHC

R.T.: 3.327 min
Delta R.T.: -0.002 min
Response: 77372686
Conc: 7.77 ng/ml



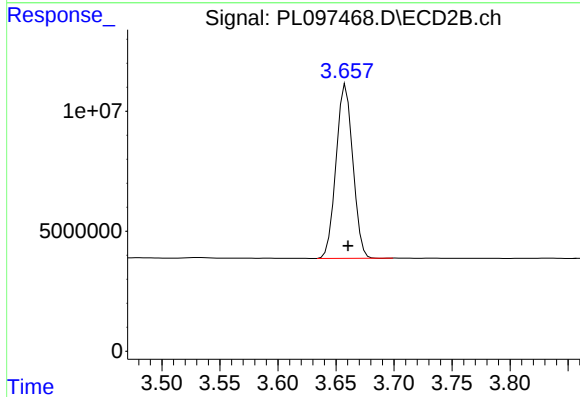
#3 gamma-BHC (Lindane)

R.T.: 4.300 min
Delta R.T.: -0.003 min
Response: 56549148
Conc: 8.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

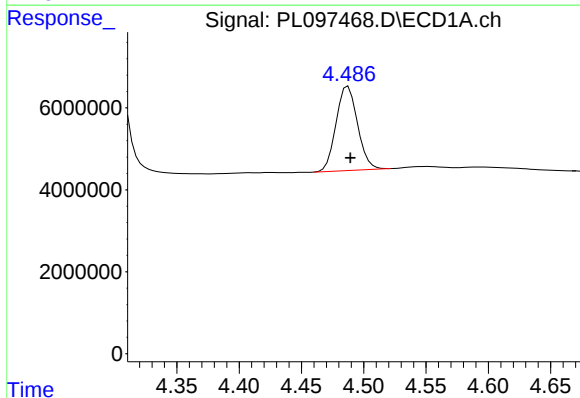
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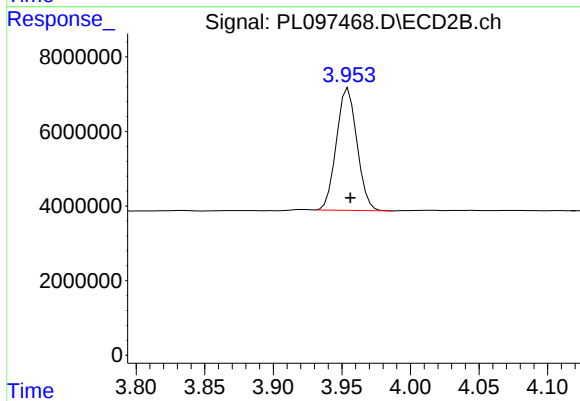
#3 gamma-BHC (Lindane)

R.T.: 3.659 min
Delta R.T.: -0.002 min
Response: 73041305
Conc: 7.84 ng/ml



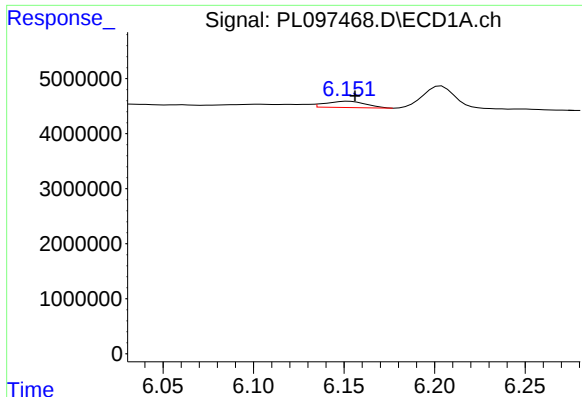
#6 beta-BHC

R.T.: 4.487 min
Delta R.T.: -0.002 min
Response: 24734118
Conc: 9.07 ng/ml



#6 beta-BHC

R.T.: 3.955 min
Delta R.T.: -0.002 min
Response: 34238405
Conc: 8.43 ng/ml



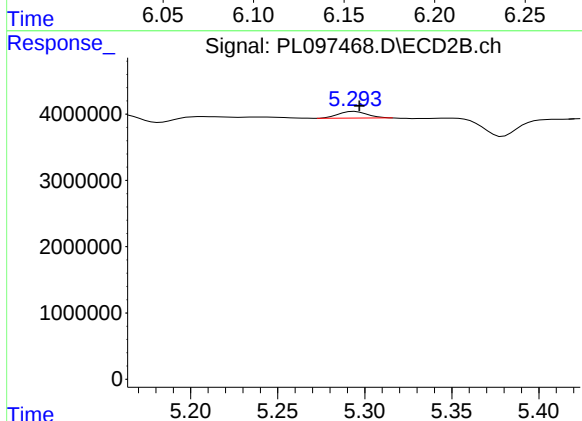
#12 4,4'-DDE

R.T.: 6.151 min
Delta R.T.: -0.005 min
Response: 1716921
Conc: 0.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
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#12 4,4'-DDE

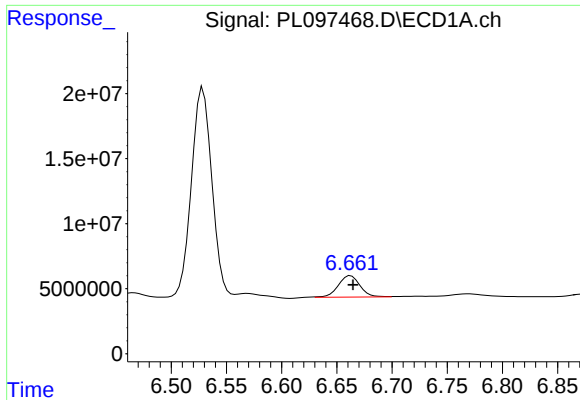
R.T.: 5.293 min
Delta R.T.: -0.004 min
Response: 1151873
Conc: 0.15 ng/ml m

#14 Endrin

R.T.: 6.529 min
Delta R.T.: -0.003 min
Response: 208220443
Conc: 45.14 ng/ml

#14 Endrin

R.T.: 5.700 min
Delta R.T.: -0.003 min
Response: 315411251
Conc: 42.00 ng/ml



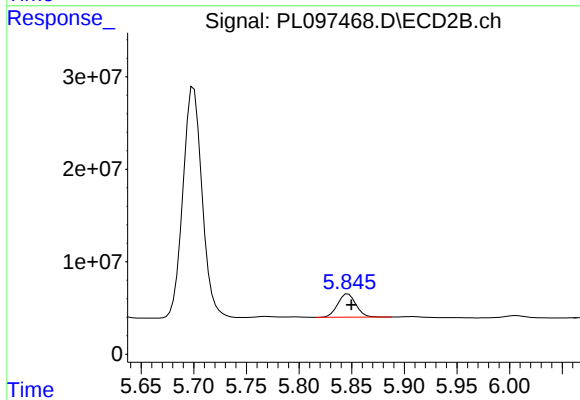
#16 4,4'-DDD

R.T.: 6.661 min
Delta R.T.: -0.004 min
Response: 22562817
Conc: 5.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

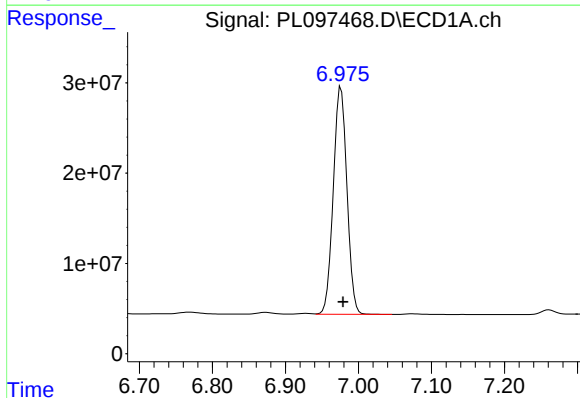
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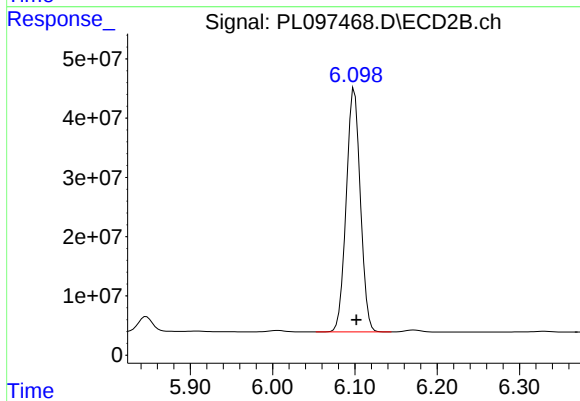
#16 4,4'-DDD

R.T.: 5.847 min
Delta R.T.: -0.003 min
Response: 30597050
Conc: 4.74 ng/ml



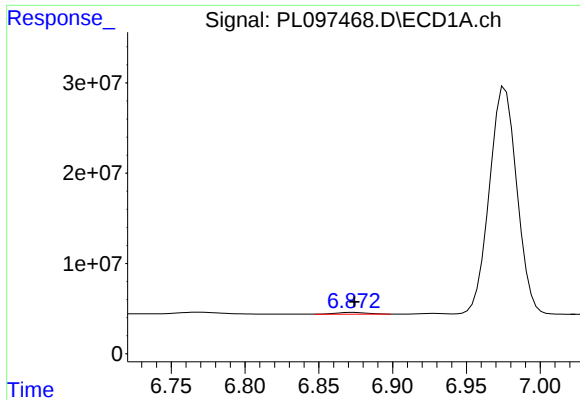
#17 4,4'-DDT

R.T.: 6.976 min
Delta R.T.: -0.003 min
Response: 327352000
Conc: 77.44 ng/ml



#17 4,4'-DDT

R.T.: 6.099 min
Delta R.T.: -0.002 min
Response: 490912748
Conc: 70.94 ng/ml



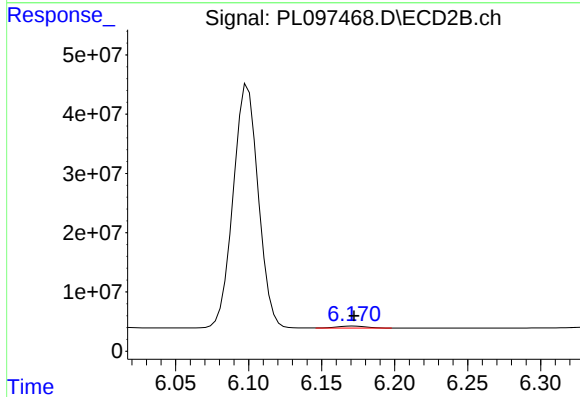
#18 Endrin aldehyde

R.T.: 6.872 min
Delta R.T.: -0.002 min
Response: 2770687
Conc: 0.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

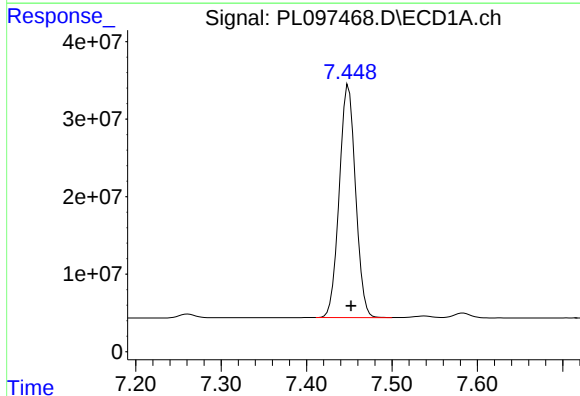
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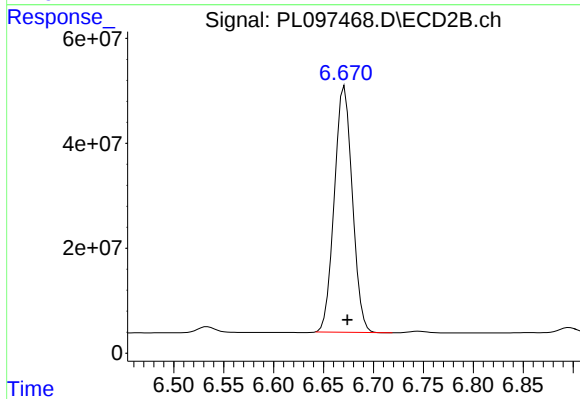
#18 Endrin aldehyde

R.T.: 6.170 min
Delta R.T.: -0.002 min
Response: 4517063
Conc: 0.85 ng/ml m



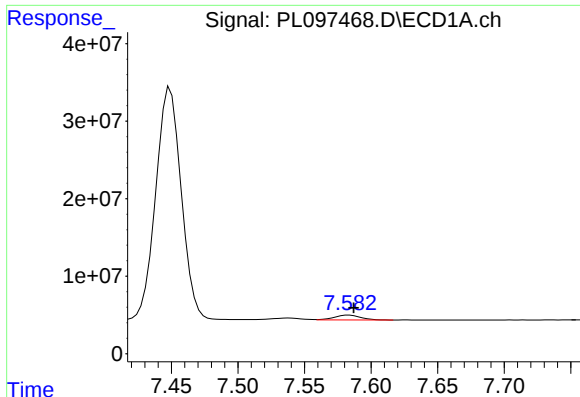
#20 Methoxychlor

R.T.: 7.449 min
Delta R.T.: -0.003 min
Response: 398533933
Conc: 191.11 ng/ml



#20 Methoxychlor

R.T.: 6.671 min
Delta R.T.: -0.003 min
Response: 588209220
Conc: 156.05 ng/ml



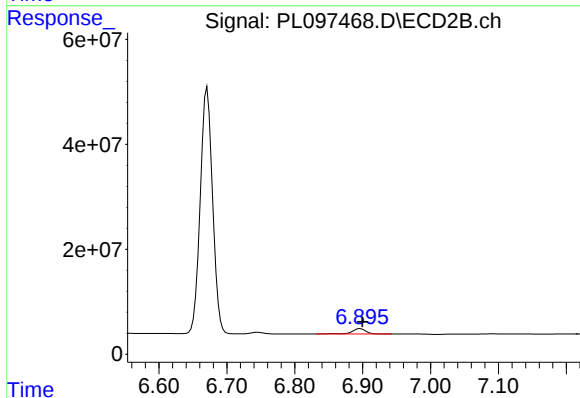
#21 Endrin ketone

R.T.: 7.584 min
Delta R.T.: -0.003 min
Response: 8447796
Conc: 1.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

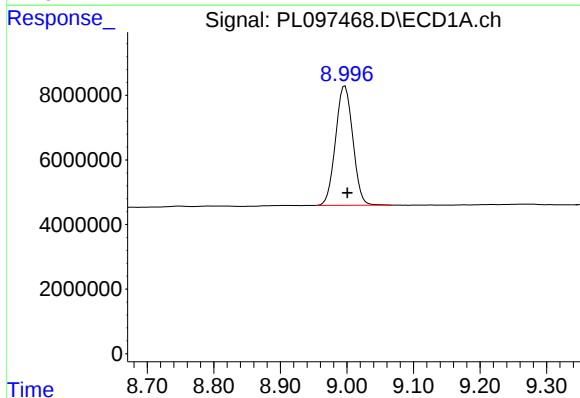
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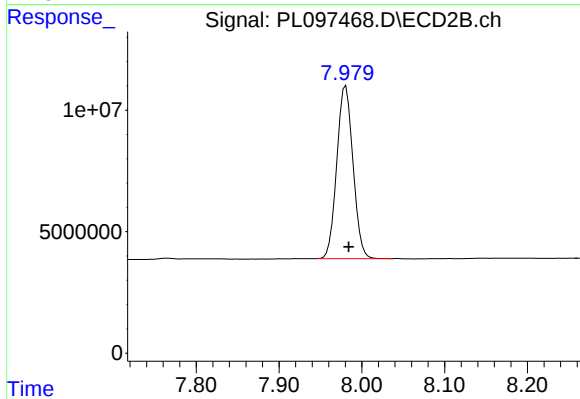
#21 Endrin ketone

R.T.: 6.896 min
Delta R.T.: -0.003 min
Response: 14343979
Conc: 1.90 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.997 min
Delta R.T.: -0.004 min
Response: 66552927
Conc: 20.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.981 min
Delta R.T.: -0.003 min
Response: 96763924
Conc: 17.00 ng/ml