

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL120425\
 Data File : PL097771.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Dec 2025 10:29
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 12/05/2025
 Supervised By :mohammad ahmed 12/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 04 15:30:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112525.M
 Quant Title : GC Extractables
 QLast Update : Wed Nov 26 07:07:11 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...	3.504	2.803	103.8E6	145.3E6	20.263	20.307
28)	SA Decachlor...	8.968	7.952	69434809	113.8E6	21.633	24.183
Target Compounds							
2)	A alpha-BHC	3.950	3.305	77760127	105.1E6	9.166	9.175
3)	MA gamma-BHC...	4.278	3.636	74539588	99380022	9.563	9.682
6)	B beta-BHC	4.467	3.932	32126162	44407195	9.839m	10.038
14)	MA Endrin	6.507	5.673	225.8E6	376.8E6	49.048	49.022
16)	A 4,4'-DDD	6.642	5.821	9029851	14539504	2.121	2.149
17)	MA 4,4'-DDT	6.956	6.073	403.3E6	608.6E6	110.521	123.488
20)	A Methoxychlor	7.428	6.644	483.8E6	689.3E6	256.367	256.609
21)	B Endrin ke...	7.562	6.868	7088557	15272082	1.624	2.096 #

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

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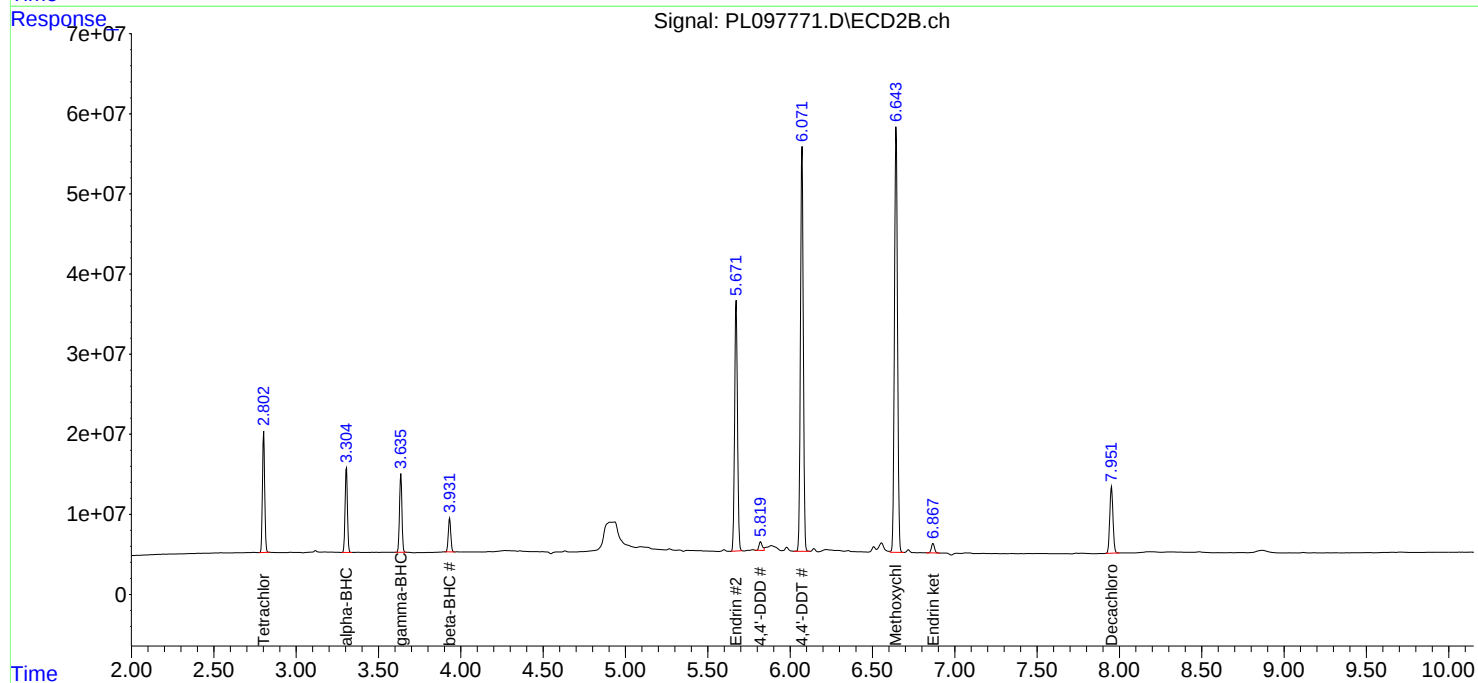
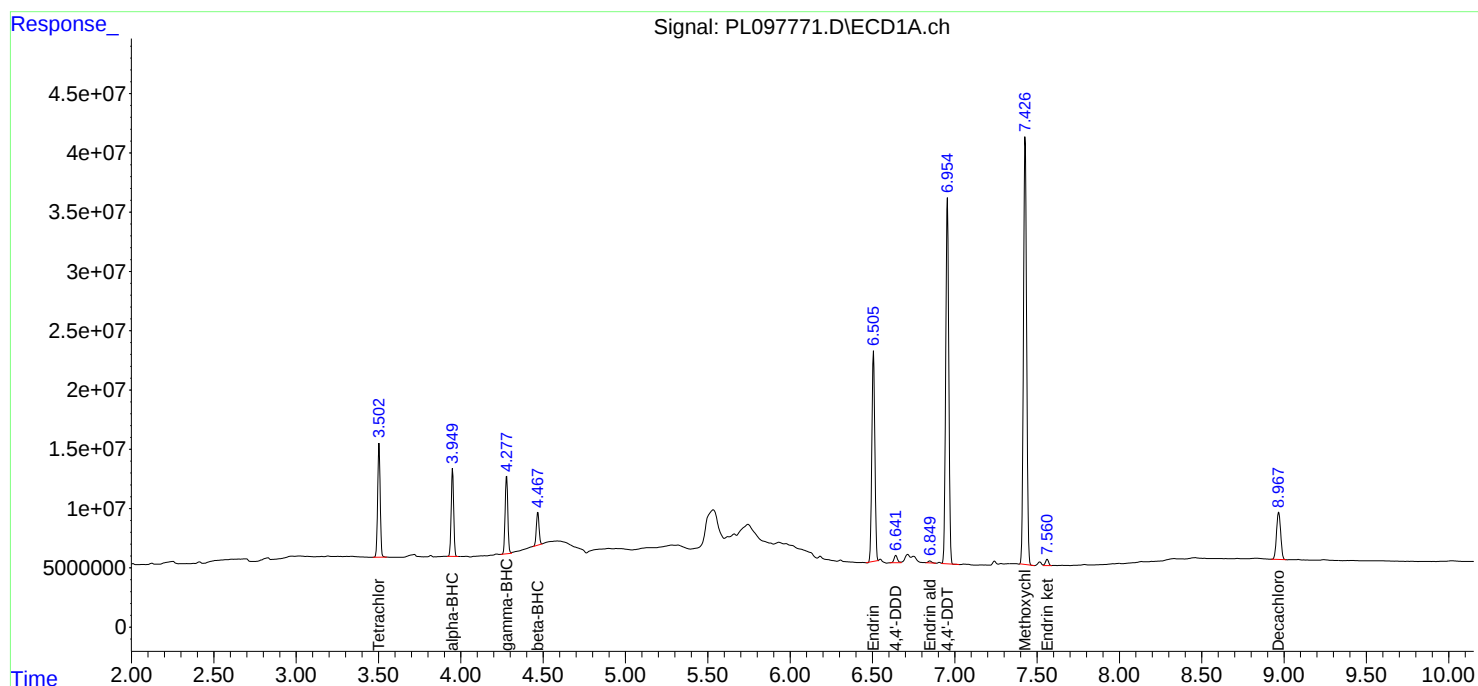
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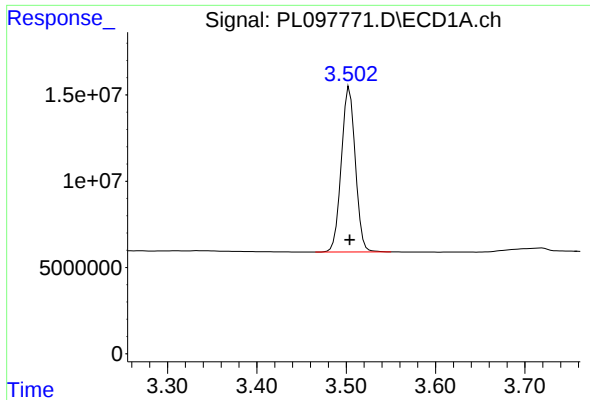
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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Quant Title : GC Extractables
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Volume Inj. : 1 µl
Signal #1 Phase :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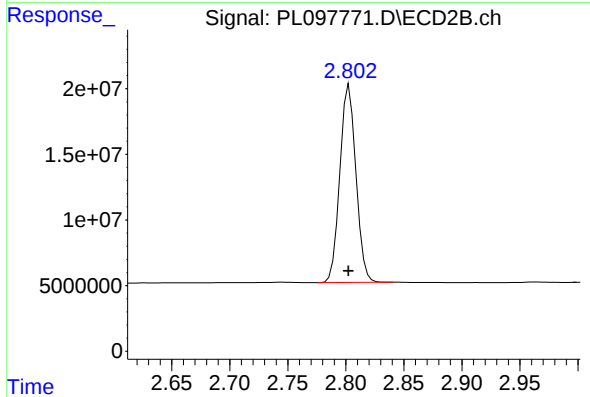
#1 Tetrachloro-m-xylene

R.T.: 3.504 min
Delta R.T.: 0.000 min
Response: 103824922
Conc: 20.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

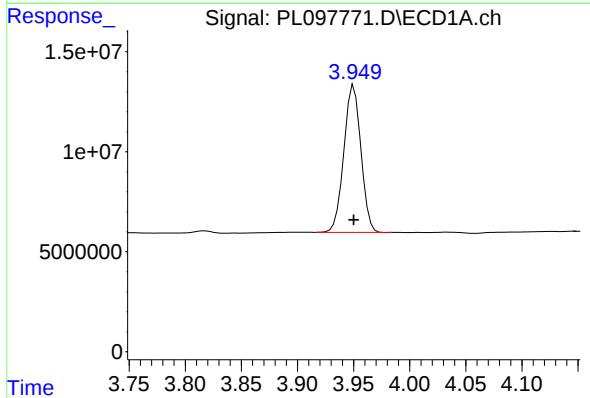
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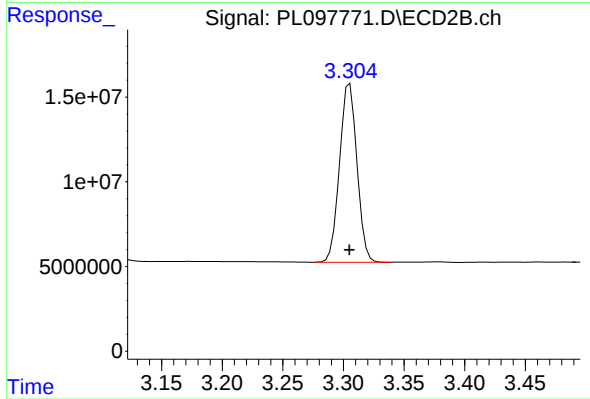
#1 Tetrachloro-m-xylene

R.T.: 2.803 min
Delta R.T.: 0.000 min
Response: 145253315
Conc: 20.31 ng/ml



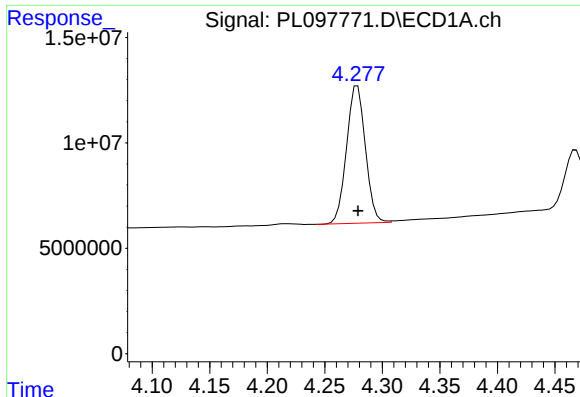
#2 alpha-BHC

R.T.: 3.950 min
Delta R.T.: 0.000 min
Response: 77760127
Conc: 9.17 ng/ml



#2 alpha-BHC

R.T.: 3.305 min
Delta R.T.: 0.000 min
Response: 105093113
Conc: 9.17 ng/ml



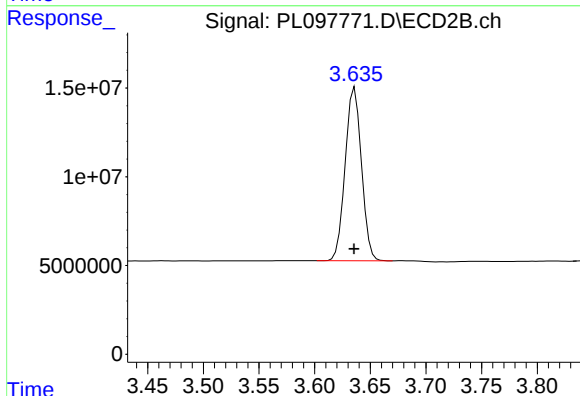
#3 gamma-BHC (Lindane)

R.T.: 4.278 min
Delta R.T.: 0.000 min
Response: 74539588
Conc: 9.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

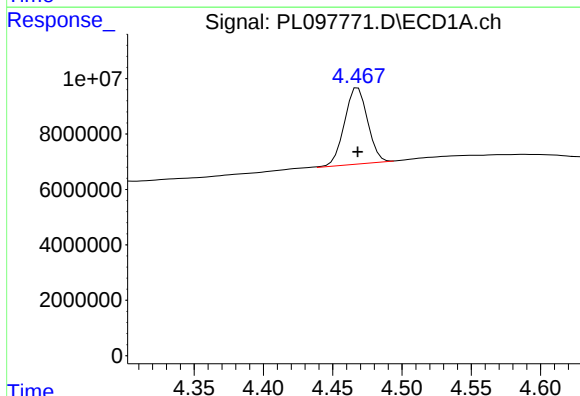
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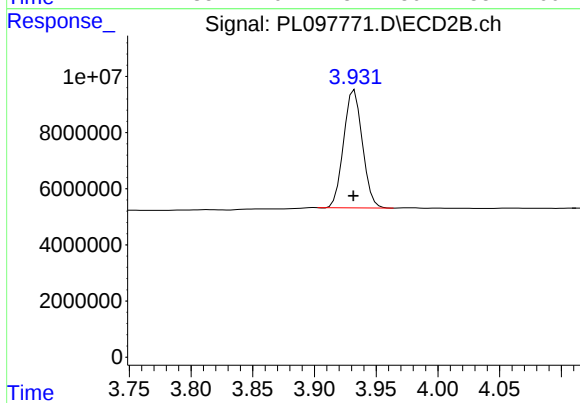
#3 gamma-BHC (Lindane)

R.T.: 3.636 min
Delta R.T.: 0.000 min
Response: 99380022
Conc: 9.68 ng/ml



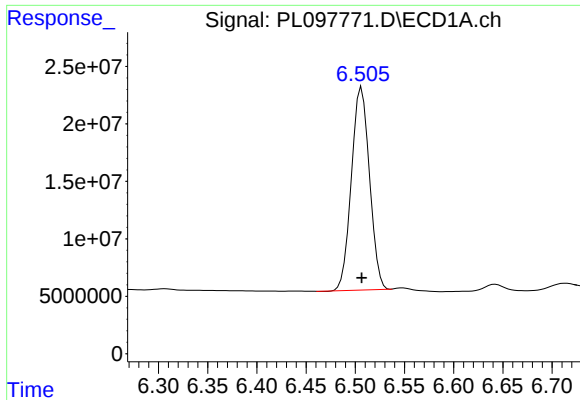
#6 beta-BHC

R.T.: 4.467 min
Delta R.T.: -0.001 min
Response: 32126162
Conc: 9.84 ng/ml m



#6 beta-BHC

R.T.: 3.932 min
Delta R.T.: 0.000 min
Response: 44407195
Conc: 10.04 ng/ml



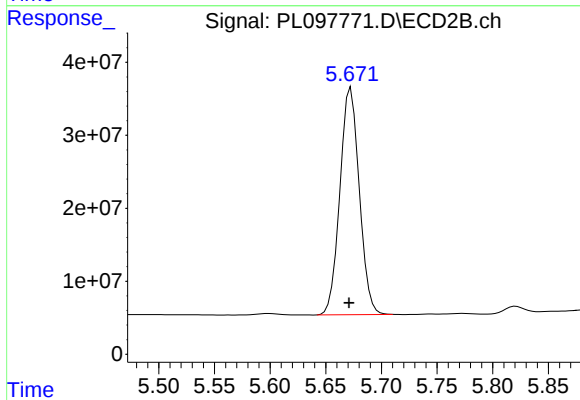
#14 Endrin

R.T.: 6.507 min
Delta R.T.: 0.000 min
Response: 225795093
Conc: 49.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

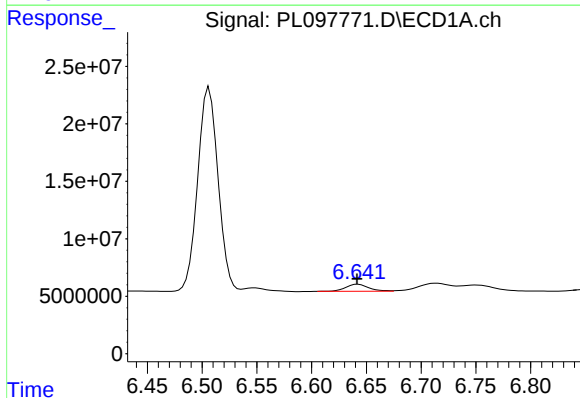
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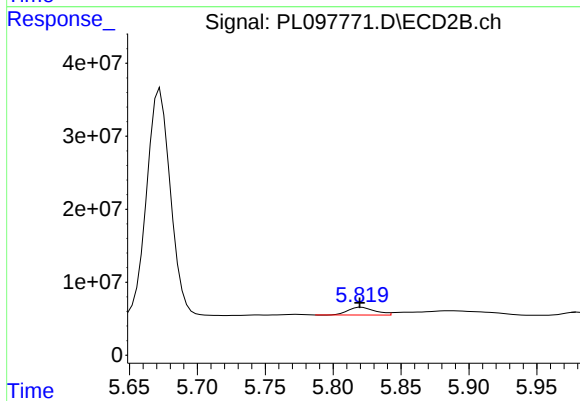
#14 Endrin

R.T.: 5.673 min
Delta R.T.: 0.001 min
Response: 376792388
Conc: 49.02 ng/ml



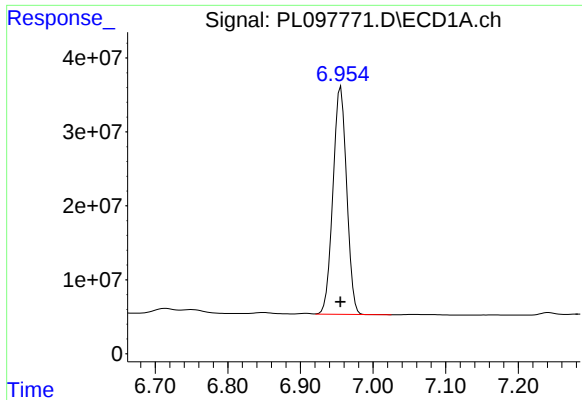
#16 4,4'-DDD

R.T.: 6.642 min
Delta R.T.: 0.000 min
Response: 9029851
Conc: 2.12 ng/ml



#16 4,4'-DDD

R.T.: 5.821 min
Delta R.T.: 0.001 min
Response: 14539504
Conc: 2.15 ng/ml



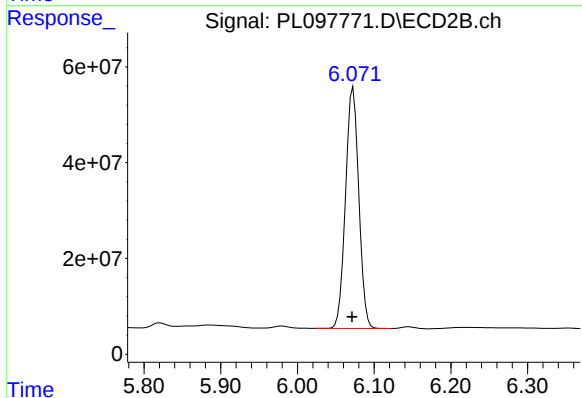
#17 4,4'-DDT

R.T.: 6.956 min
Delta R.T.: 0.000 min
Response: 403285414
Conc: 110.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

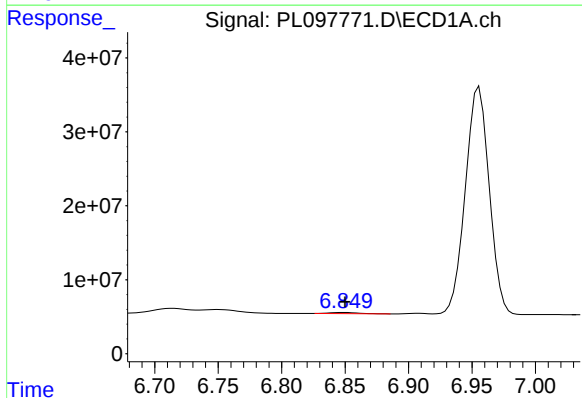
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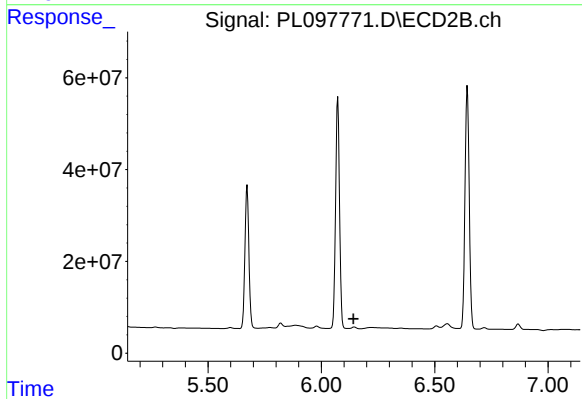
#17 4,4'-DDT

R.T.: 6.073 min
Delta R.T.: 0.001 min
Response: 608574299
Conc: 123.49 ng/ml



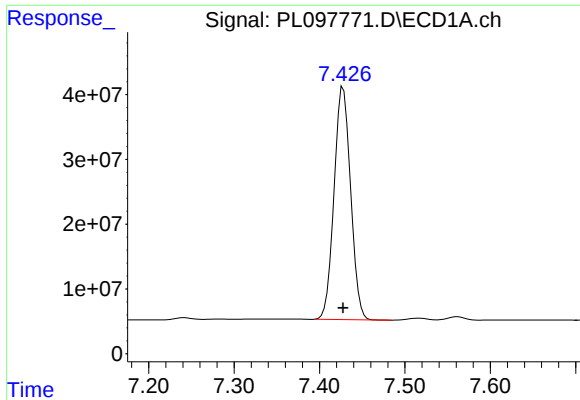
#18 Endrin aldehyde

R.T.: 6.849 min
Delta R.T.: -0.001 min
Response: 2419388
Conc: 0.67 ng/ml m



#18 Endrin aldehyde

R.T.: 6.144 min
Delta R.T.: 0.002 min
Response: 4122006
Conc: N.D.



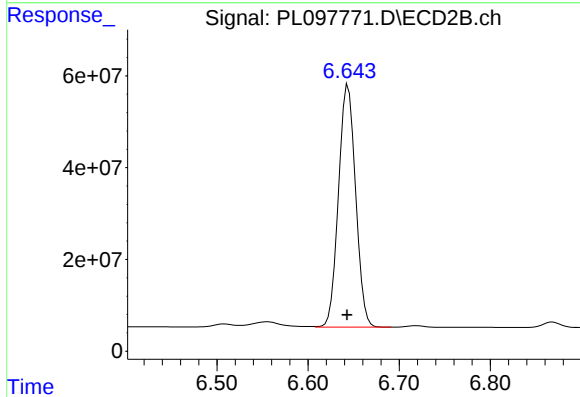
#20 Methoxychlor

R.T.: 7.428 min
Delta R.T.: 0.000 min
Response: 483843847
Conc: 256.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

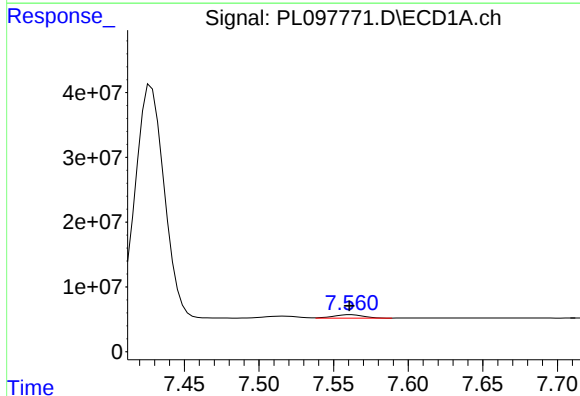
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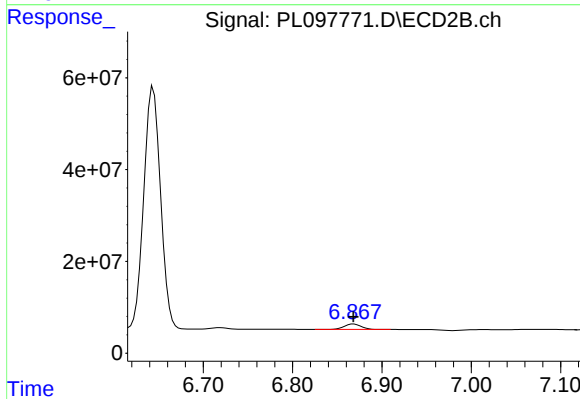
#20 Methoxychlor

R.T.: 6.644 min
Delta R.T.: 0.001 min
Response: 689306763
Conc: 256.61 ng/ml



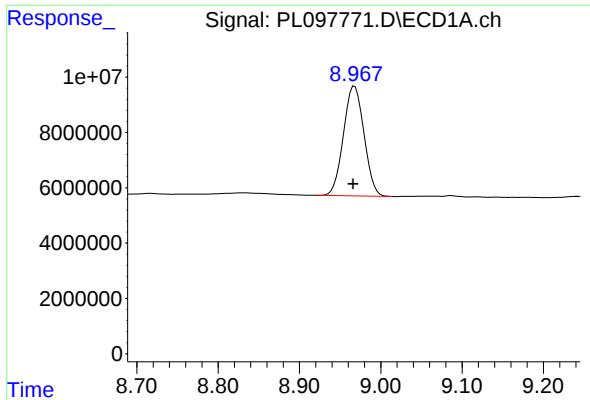
#21 Endrin ketone

R.T.: 7.562 min
Delta R.T.: 0.000 min
Response: 7088557
Conc: 1.62 ng/ml



#21 Endrin ketone

R.T.: 6.868 min
Delta R.T.: 0.000 min
Response: 15272082
Conc: 2.10 ng/ml



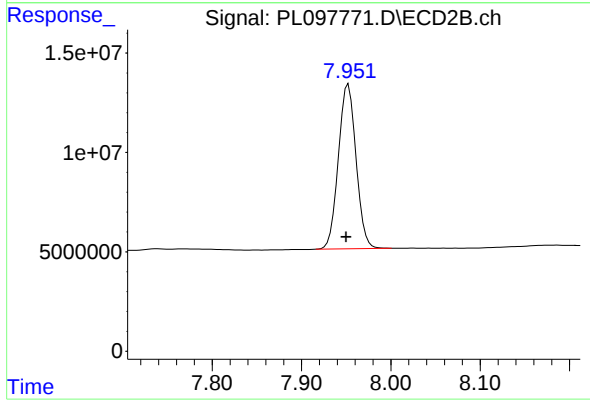
#28 Decachlorobiphenyl

R.T.: 8.968 min
Delta R.T.: 0.002 min
Response: 69434809
Conc: 21.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 7.952 min
Delta R.T.: 0.002 min
Response: 113825540
Conc: 24.18 ng/ml