

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111325\
 Data File : PD091142.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2025 09:34
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/14/2025
 Supervised By :Sohil Jodhani 11/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 13 22:02:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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...	3.544	2.874	66846269	705.8E6	21.465	23.702
28)	SA Decachlor...	9.064	8.059	101.8E6	753.1E6	21.756	24.861
Target Compounds							
2)	A alpha-BHC	3.993	3.385	65669256	585.5E6	9.150	11.458 #
3)	MA gamma-BHC...	4.323	3.721	62697745	542.7E6	9.222	11.486
6)	B beta-BHC	4.511	4.017	26535252	230.0E6	10.129	11.599
12)	B 4,4'-DDE	6.189	5.363	891389	8616195	0.167	0.197m
14)	MA Endrin	6.567	5.778	219.3E6	2020.7E6	44.263	49.901
16)	A 4,4'-DDD	6.699	5.918	34190703	366.2E6	8.433	10.049
17)	MA 4,4'-DDT	7.015	6.171	358.0E6	3358.9E6	87.099	95.770
18)	B Endrin al...	6.910	6.247	5537180	53922570	1.512	1.947 #
20)	A Methoxychlor	7.488	6.742	448.4E6	3674.4E6	210.946	210.836
21)	B Endrin ke...	7.624	6.980	15223725	153.0E6	3.133	4.056 #

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

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

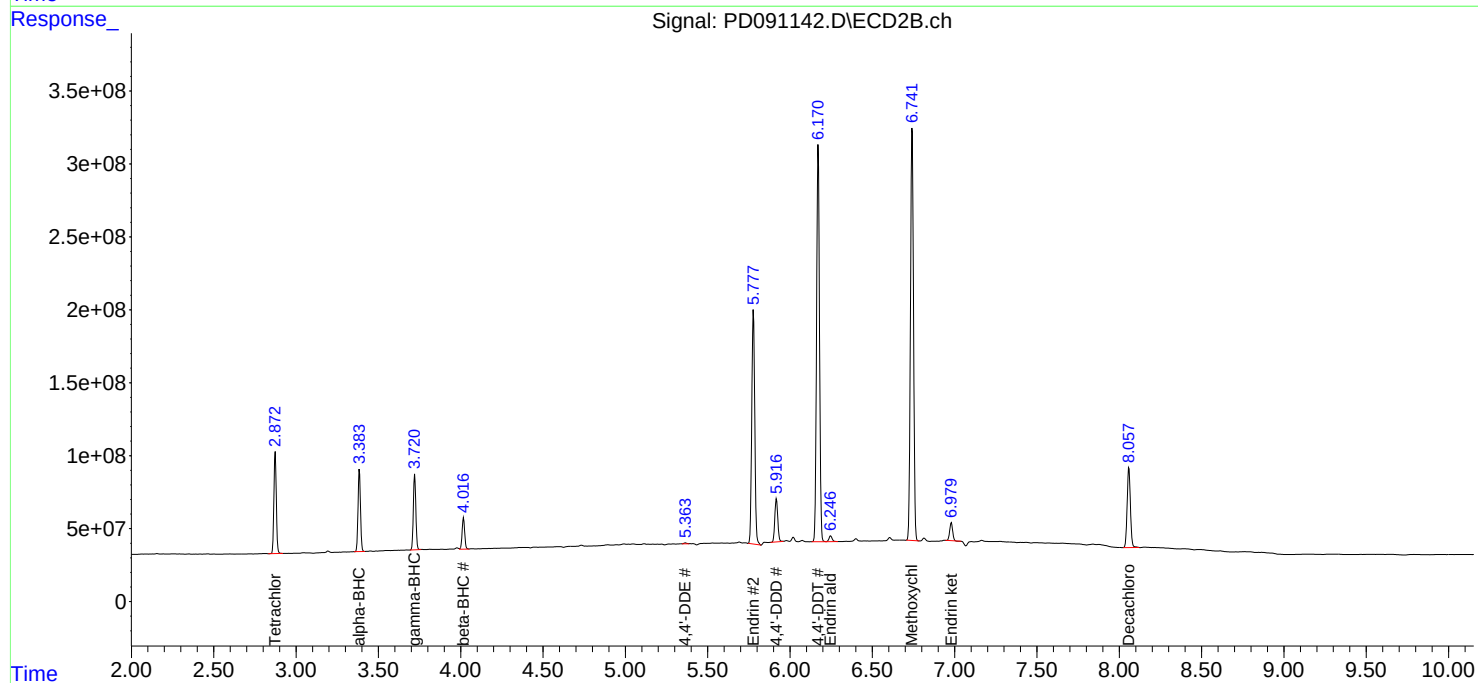
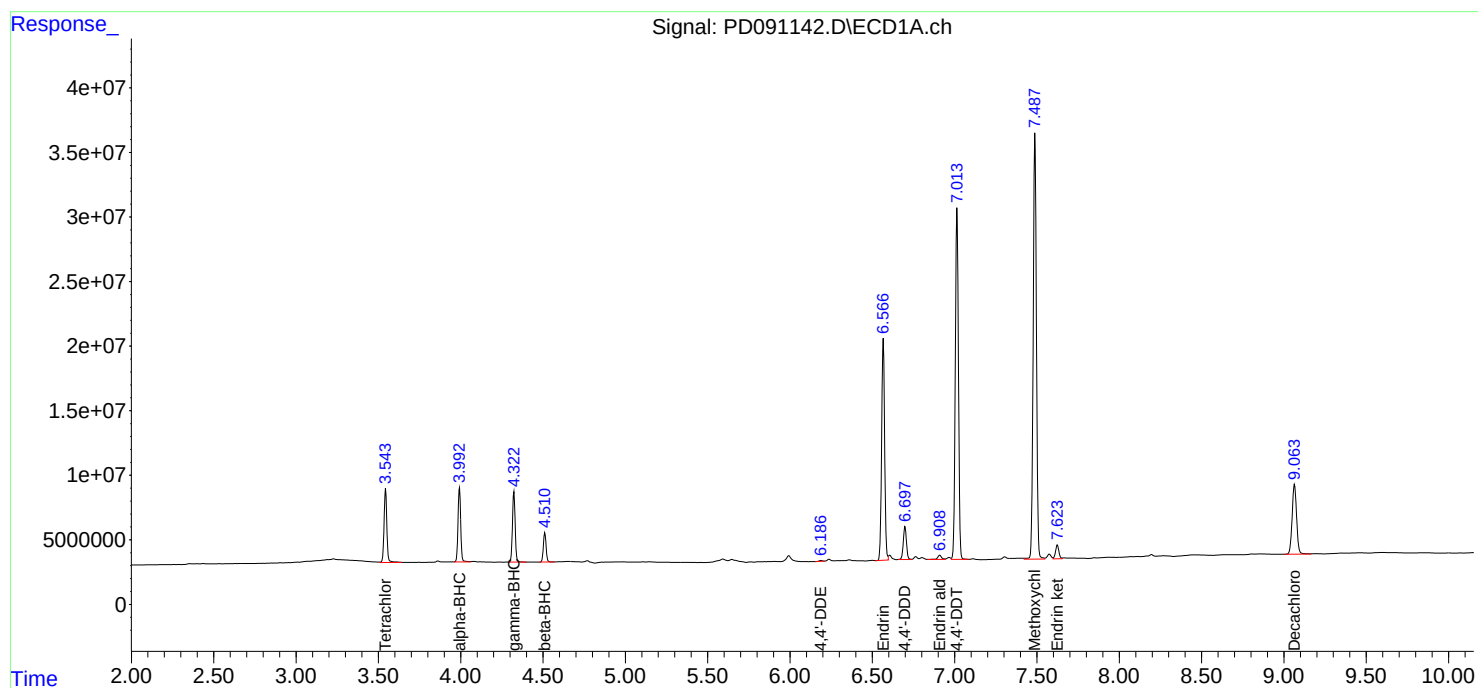
Instrument :
ECD_D
ClientSampleId :
PEM

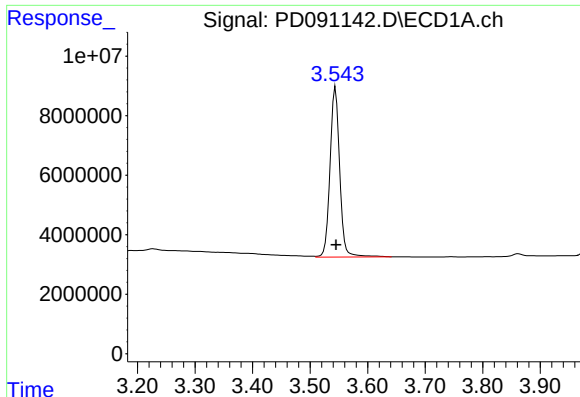
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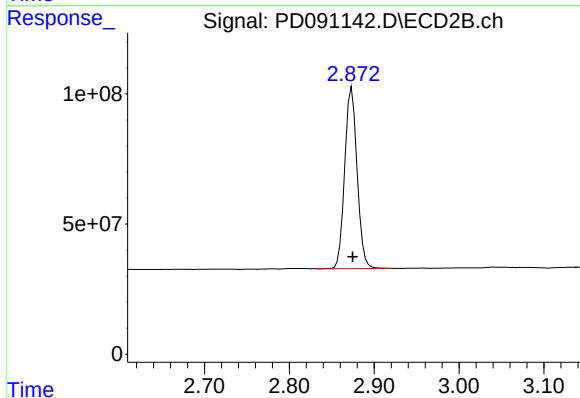
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 66846269
Conc: 21.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

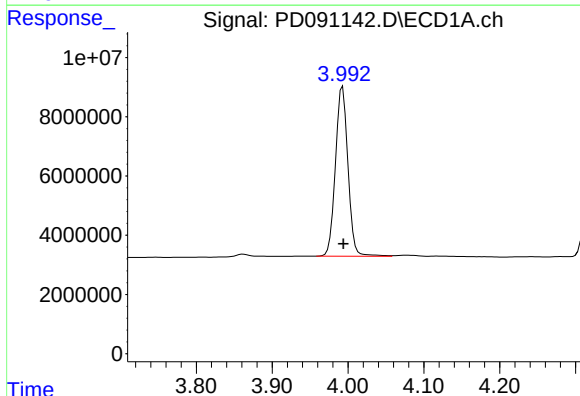
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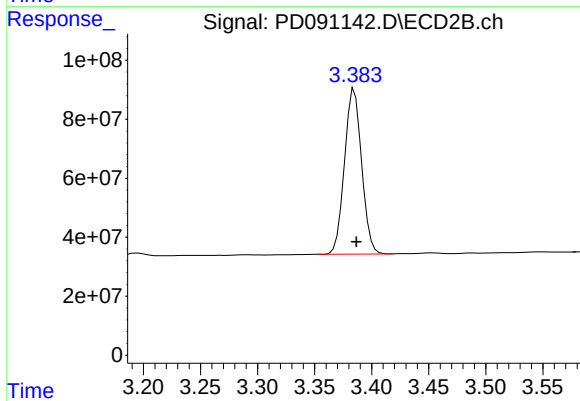
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.001 min
Response: 705788413
Conc: 23.70 ng/ml



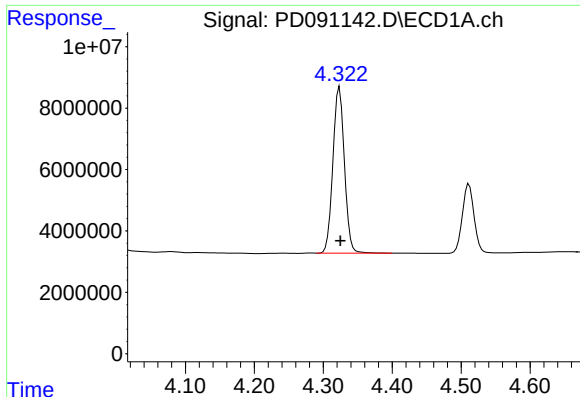
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 65669256
Conc: 9.15 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.002 min
Response: 585478650
Conc: 11.46 ng/ml



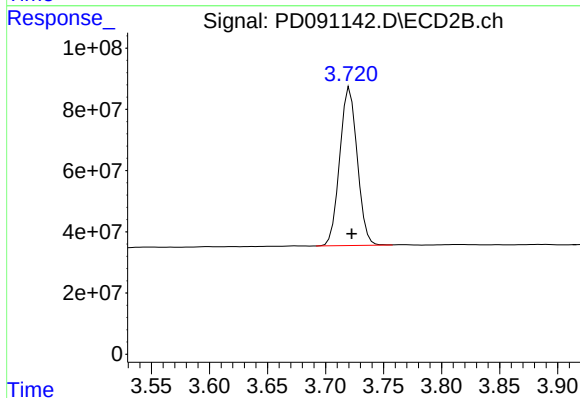
#3 gamma-BHC (Lindane)

R.T.: 4.323 min
Delta R.T.: -0.001 min
Response: 62697745
Conc: 9.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

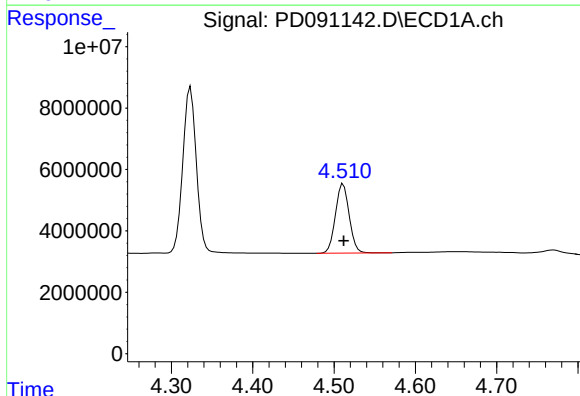
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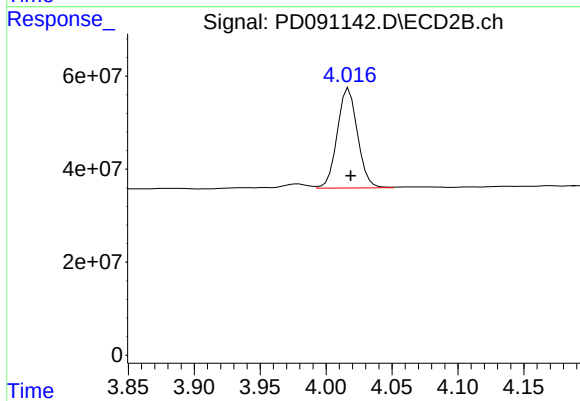
#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.002 min
Response: 542712473
Conc: 11.49 ng/ml



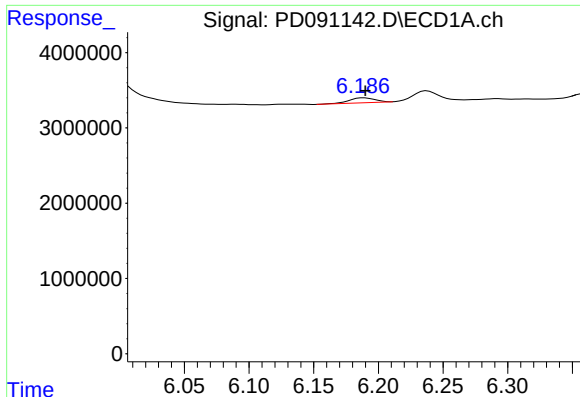
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: 0.000 min
Response: 26535252
Conc: 10.13 ng/ml



#6 beta-BHC

R.T.: 4.017 min
Delta R.T.: -0.001 min
Response: 230008865
Conc: 11.60 ng/ml



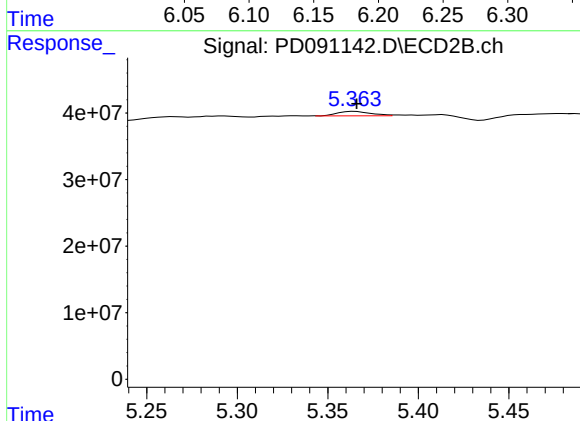
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.001 min
Response: 891389
Conc: 0.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

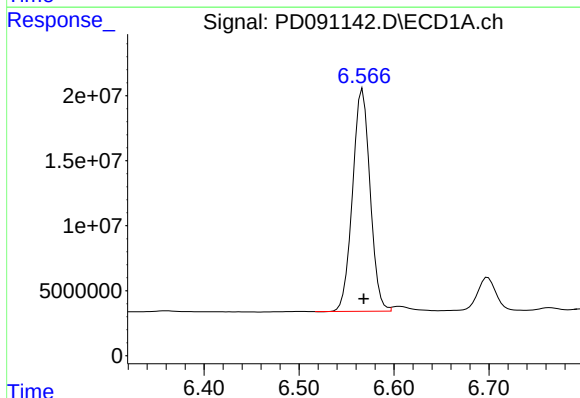
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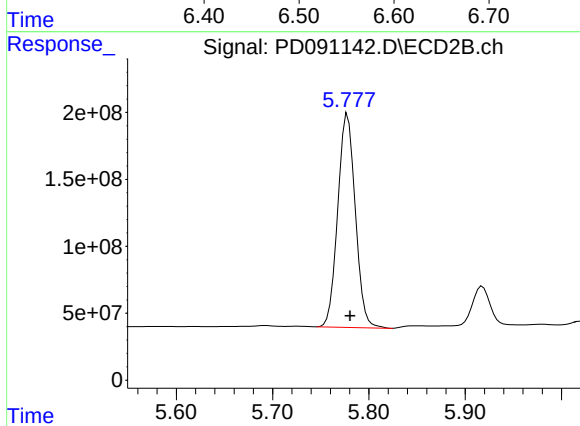
#12 4,4'-DDE

R.T.: 5.363 min
Delta R.T.: -0.003 min
Response: 8616195
Conc: 0.20 ng/ml m



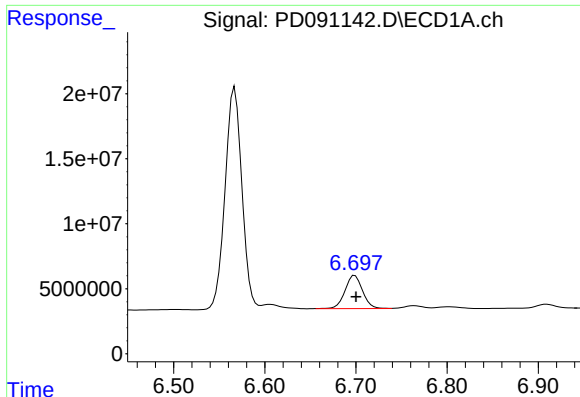
#14 Endrin

R.T.: 6.567 min
Delta R.T.: -0.001 min
Response: 219263452
Conc: 44.26 ng/ml



#14 Endrin

R.T.: 5.778 min
Delta R.T.: -0.003 min
Response: 2020680787
Conc: 49.90 ng/ml



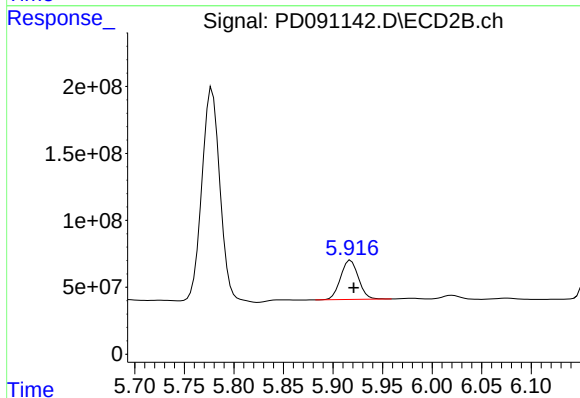
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.001 min
Response: 34190703
Conc: 8.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

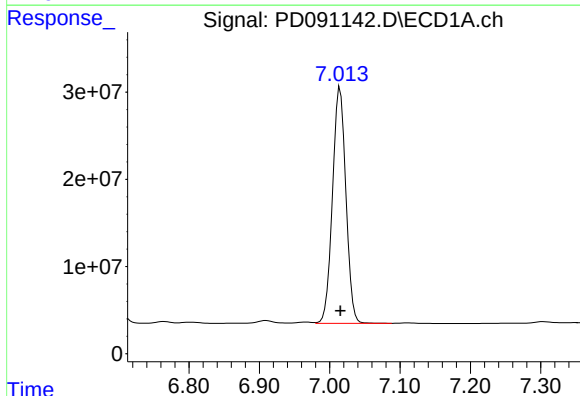
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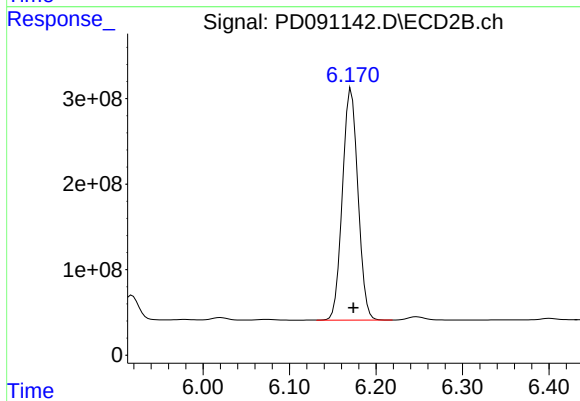
#16 4,4'-DDD

R.T.: 5.918 min
Delta R.T.: -0.003 min
Response: 366182048
Conc: 10.05 ng/ml



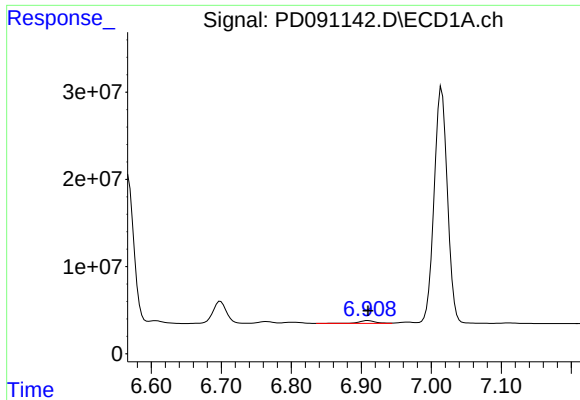
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 358017564
Conc: 87.10 ng/ml



#17 4,4'-DDT

R.T.: 6.171 min
Delta R.T.: -0.003 min
Response: 3358938544
Conc: 95.77 ng/ml



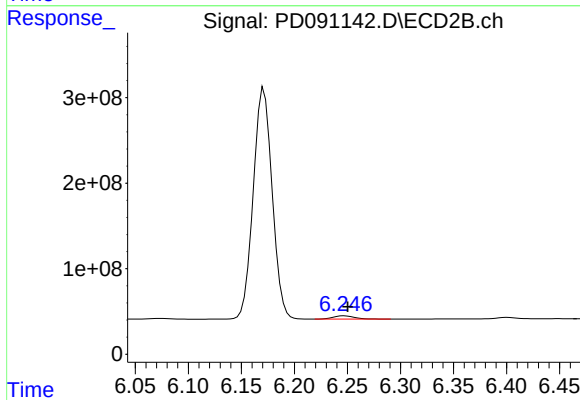
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 5537180
Conc: 1.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

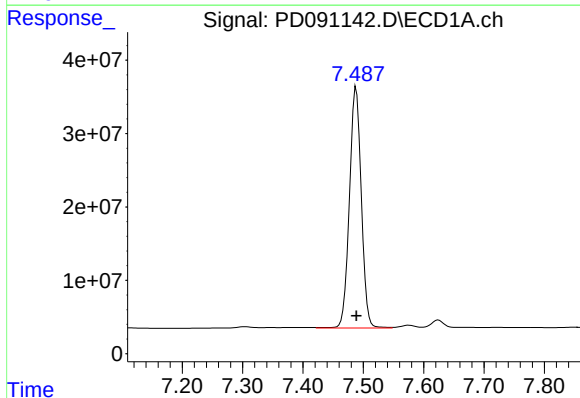
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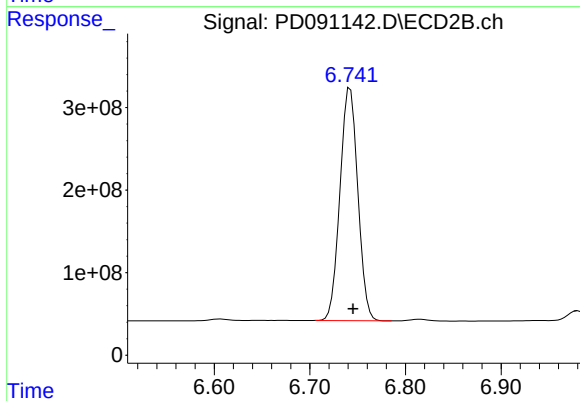
#18 Endrin aldehyde

R.T.: 6.247 min
Delta R.T.: -0.003 min
Response: 53922570
Conc: 1.95 ng/ml



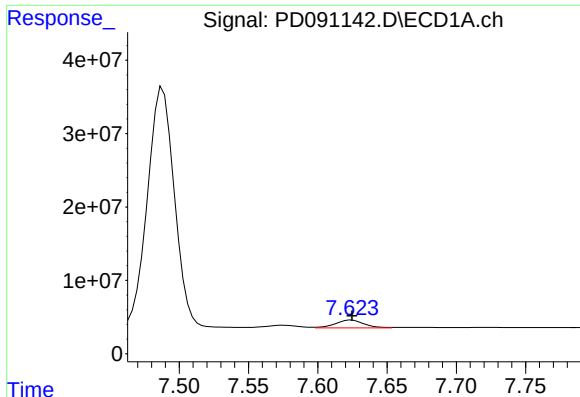
#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 448383139
Conc: 210.95 ng/ml



#20 Methoxychlor

R.T.: 6.742 min
Delta R.T.: -0.003 min
Response: 3674406984
Conc: 210.84 ng/ml



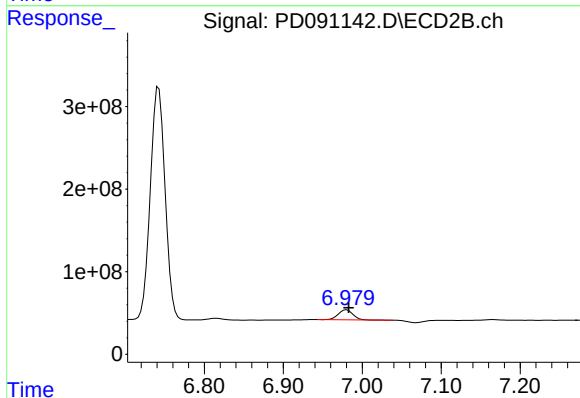
#21 Endrin ketone

R.T.: 7.624 min
Delta R.T.: 0.000 min
Response: 15223725
Conc: 3.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

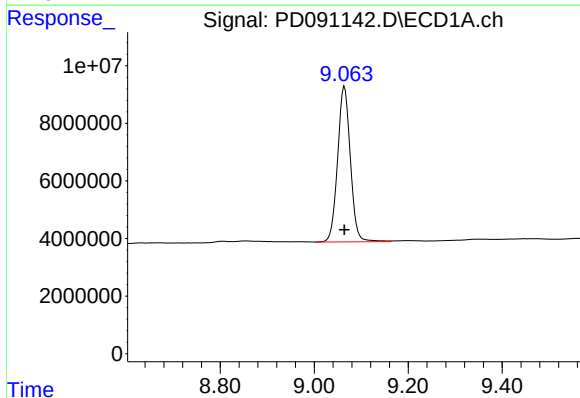
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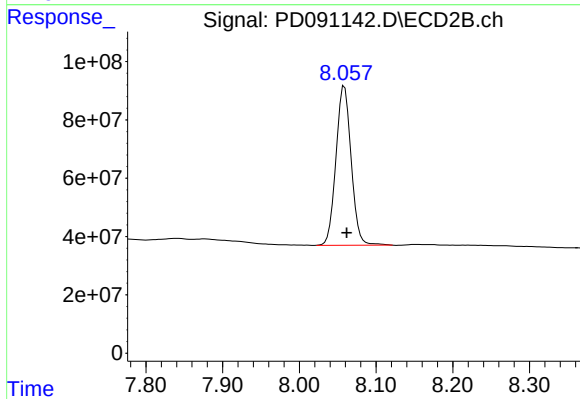
#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: -0.003 min
Response: 152992888
Conc: 4.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: 0.000 min
Response: 101773811
Conc: 21.76 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.003 min
Response: 753072935
Conc: 24.86 ng/ml