

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091125\
 Data File : PD090238.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Sep 2025 10:06
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 09/12/2025
 Supervised By : mohammad ahmed 09/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 12 06:28:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 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...	3.545	2.876	53698695	474.1E6	18.297m	21.498
28)	SA Decachlor...	9.068	8.063	82023925	565.7E6	19.005	21.852
Target Compounds							
2)	A alpha-BHC	3.996	3.388	53190134	396.7E6	8.862	11.687 #
3)	MA gamma-BHC...	4.325	3.724	51301577	362.2E6	8.958m	11.621 #
6)	B beta-BHC	4.513	4.020	22253231	154.7E6	9.921	11.602
12)	B 4,4'-DDE	6.198	5.372	575381	3532060	0.131m	0.123m
14)	MA Endrin	6.569	5.782	200.1E6	1508.4E6	48.280m	56.639
16)	A 4,4'-DDD	6.700	5.924	1365200	14473310	0.395m	0.602 #
17)	MA 4,4'-DDT	7.017	6.176	363.5E6	2715.0E6	95.418m	108.299
18)	B Endrin al...	6.912	6.250	427792	13309102	0.149m	0.773 #
20)	A Methoxychlor	7.490	6.746	448.3E6	2815.0E6	223.506	218.292
21)	B Endrin ke...	7.626	6.981	2333356	33667590	0.563	1.264m#

(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

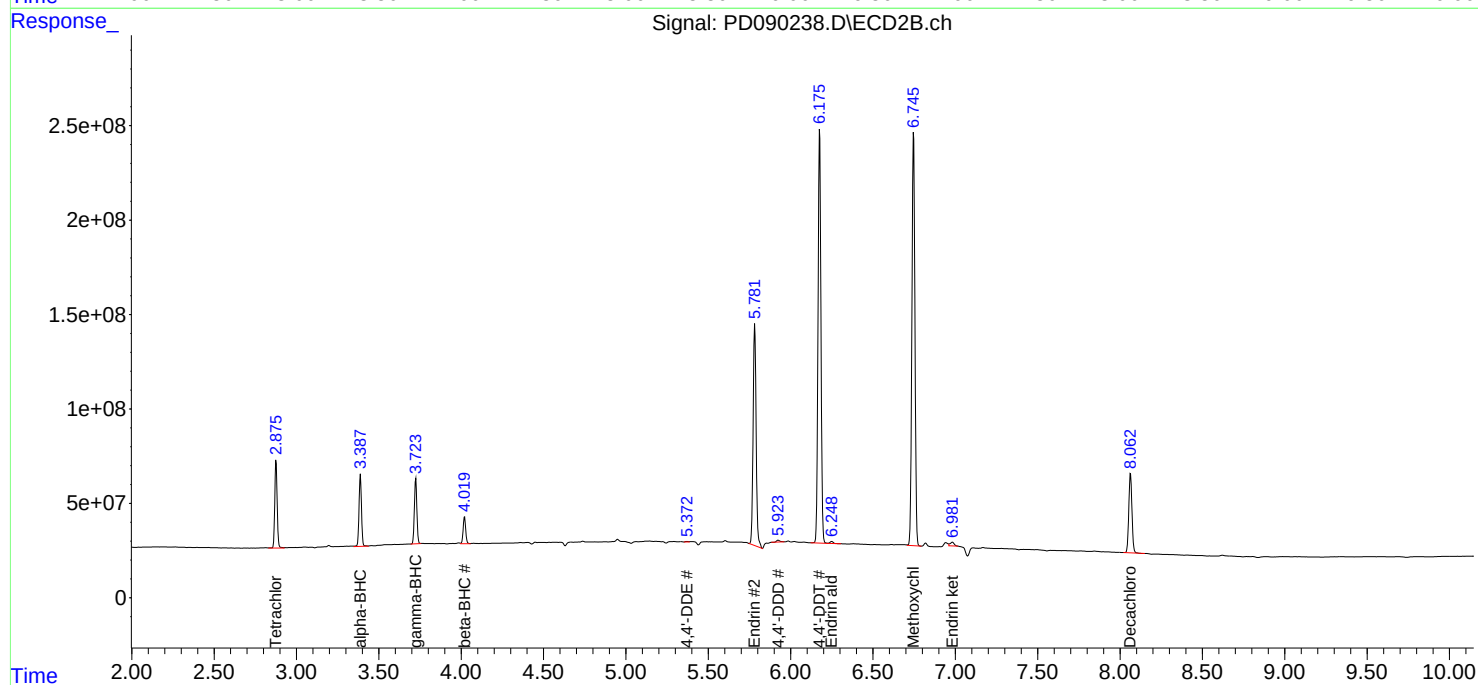
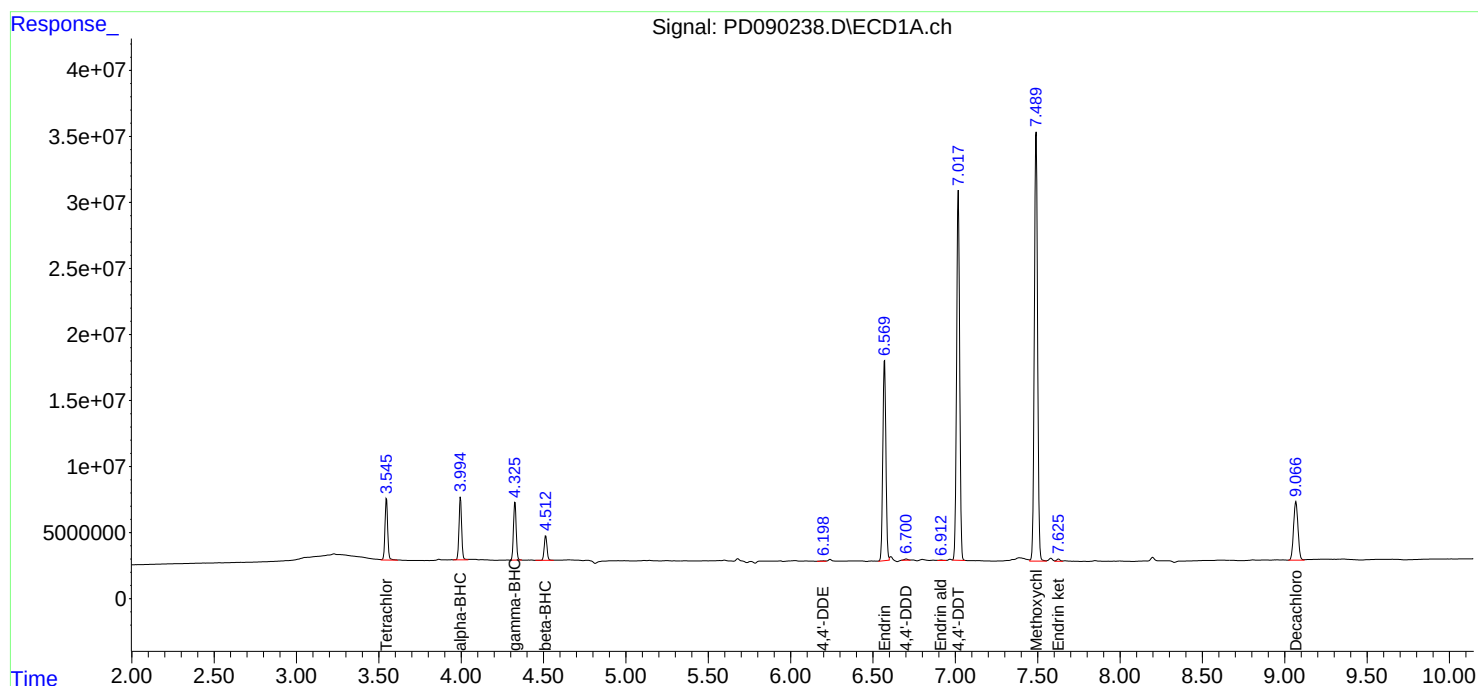
Instrument :
ECD_D
ClientSampleId :
PEM

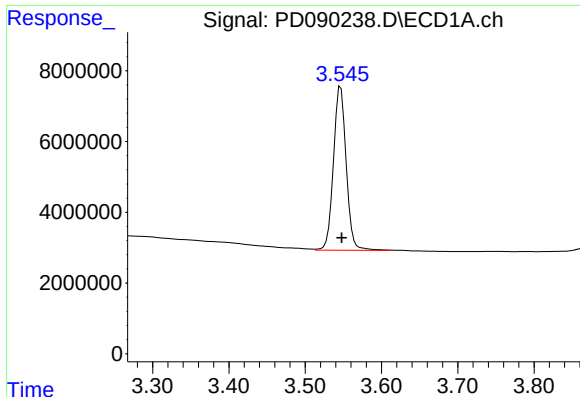
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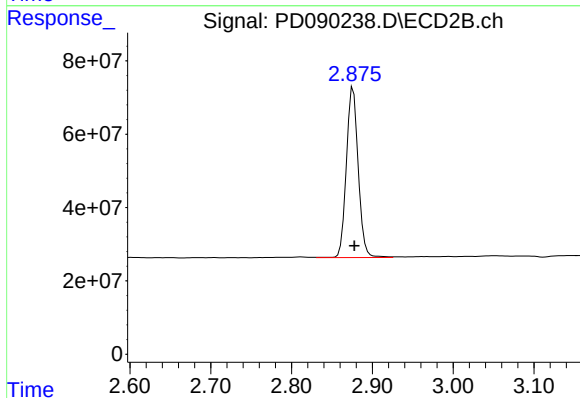
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: -0.003 min
Response: 53698695
Conc: 18.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

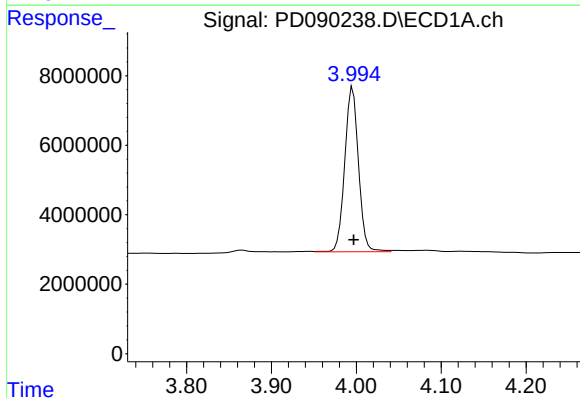
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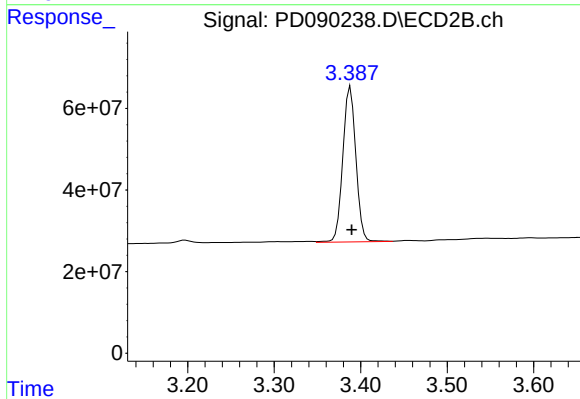
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: -0.002 min
Response: 474052383
Conc: 21.50 ng/ml



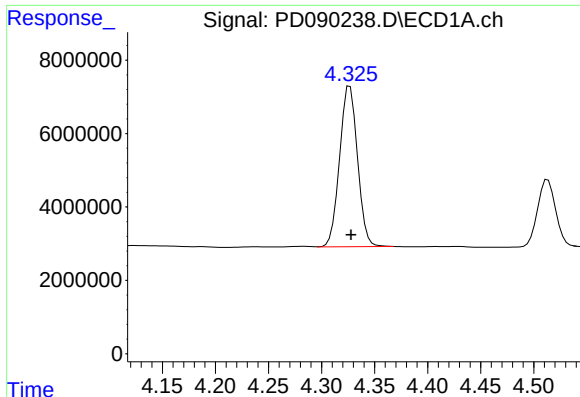
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: -0.001 min
Response: 53190134
Conc: 8.86 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: -0.001 min
Response: 396651931
Conc: 11.69 ng/ml



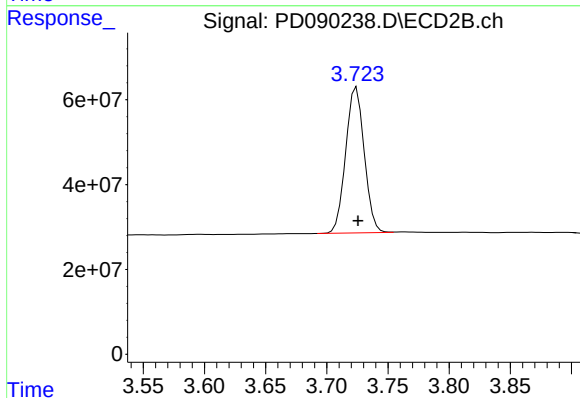
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 51301577
Conc: 8.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

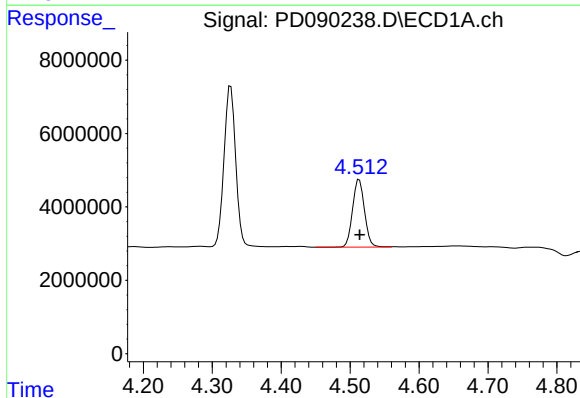
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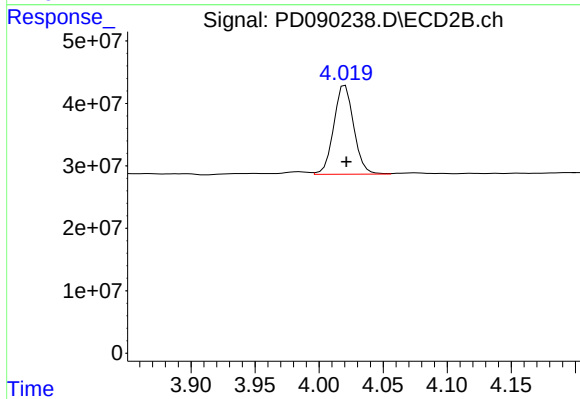
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: -0.001 min
Response: 362226433
Conc: 11.62 ng/ml



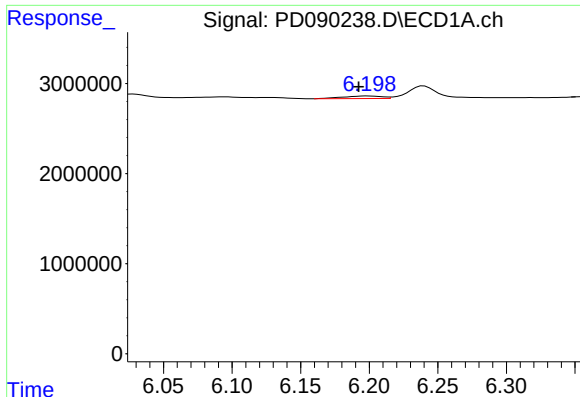
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 22253231
Conc: 9.92 ng/ml



#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 154653962
Conc: 11.60 ng/ml



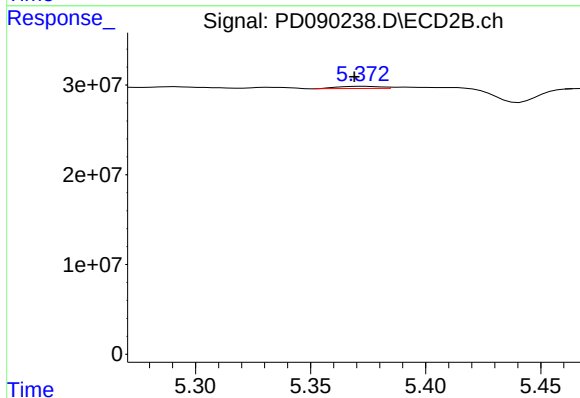
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.006 min
Response: 575381
Conc: 0.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

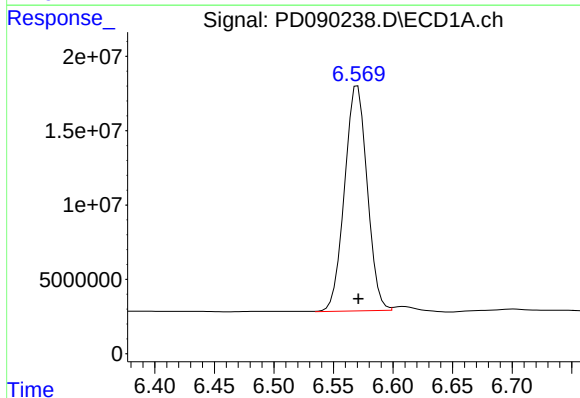
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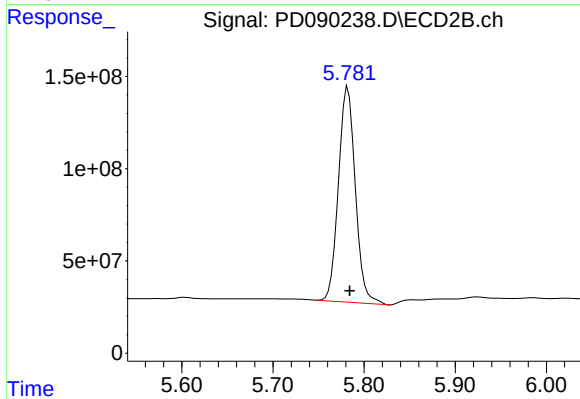
#12 4,4'-DDE

R.T.: 5.372 min
Delta R.T.: 0.002 min
Response: 3532060
Conc: 0.12 ng/ml m



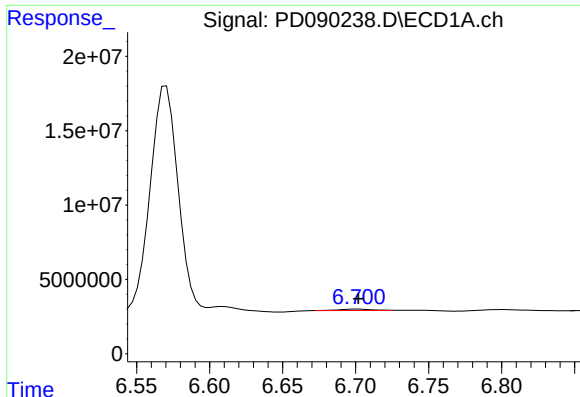
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.002 min
Response: 200052530
Conc: 48.28 ng/ml m



#14 Endrin

R.T.: 5.782 min
Delta R.T.: -0.002 min
Response: 1508420835
Conc: 56.64 ng/ml



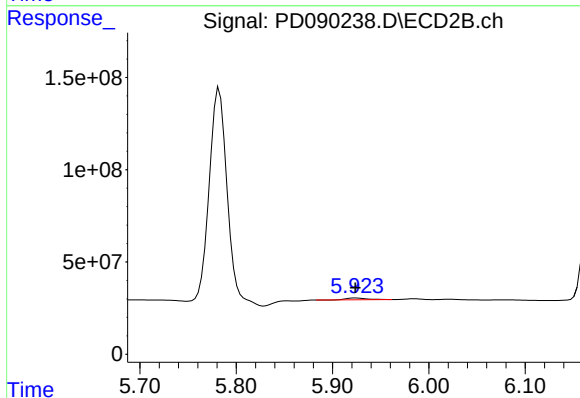
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.002 min
Response: 1365200
Conc: 0.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

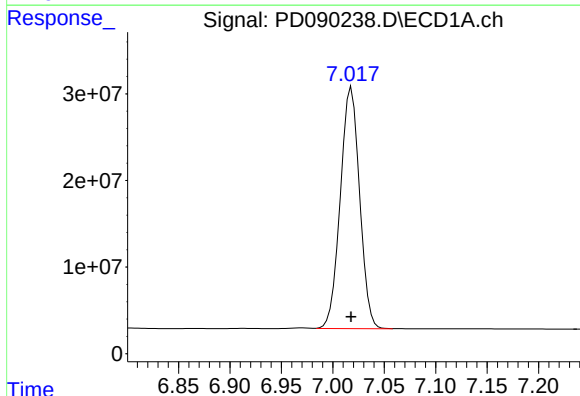
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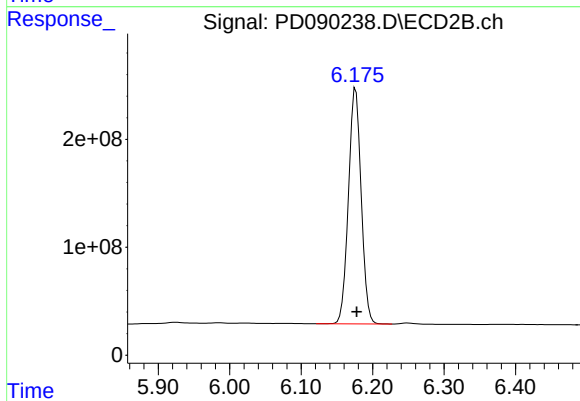
#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 14473310
Conc: 0.60 ng/ml



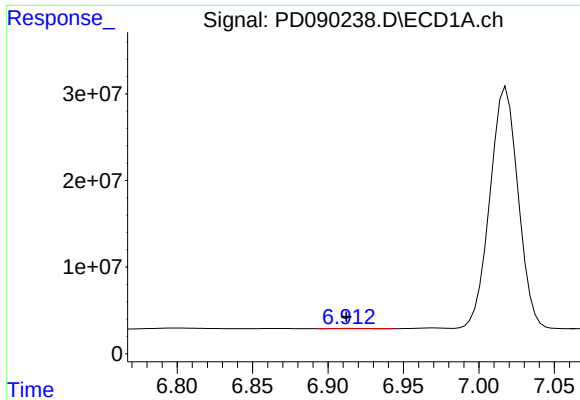
#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: -0.001 min
Response: 363516510
Conc: 95.42 ng/ml m



#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.001 min
Response: 2715034315
Conc: 108.30 ng/ml



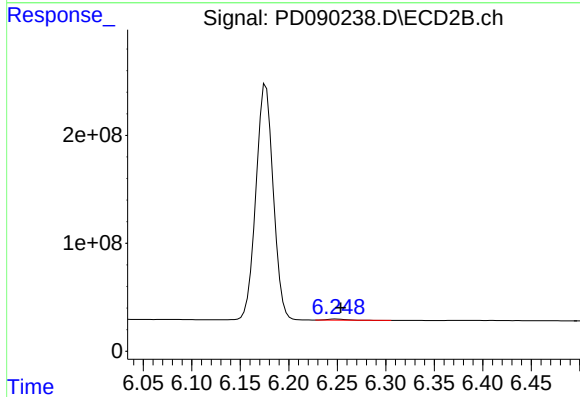
#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: 0.000 min
Response: 427792
Conc: 0.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

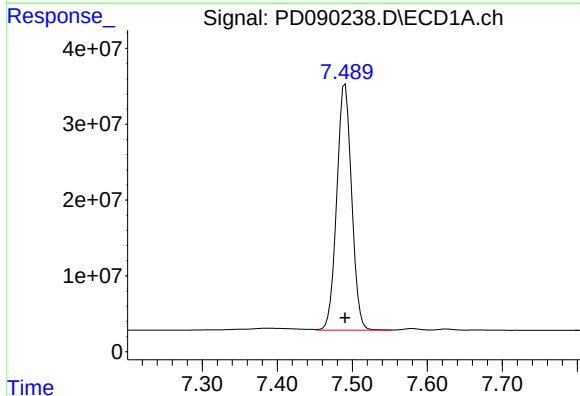
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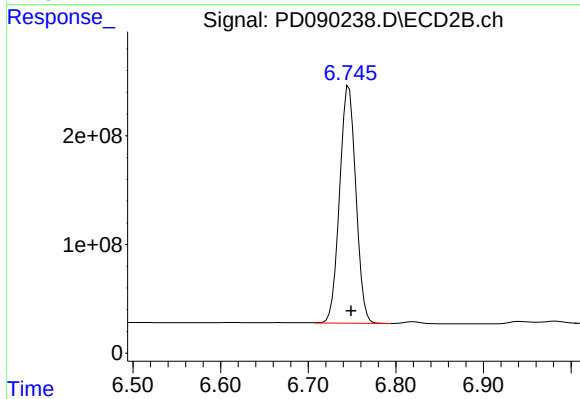
#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: -0.004 min
Response: 13309102
Conc: 0.77 ng/ml



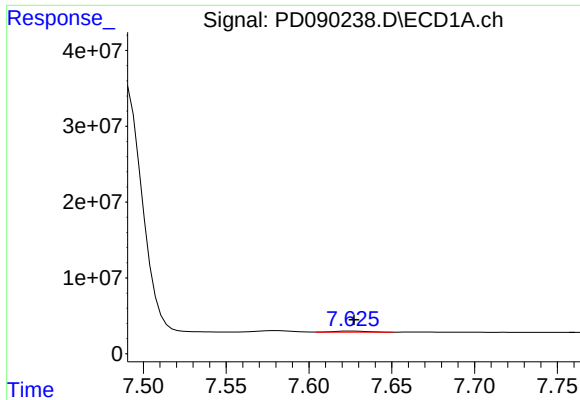
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 448266957
Conc: 223.51 ng/ml



#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: -0.002 min
Response: 2815042947
Conc: 218.29 ng/ml



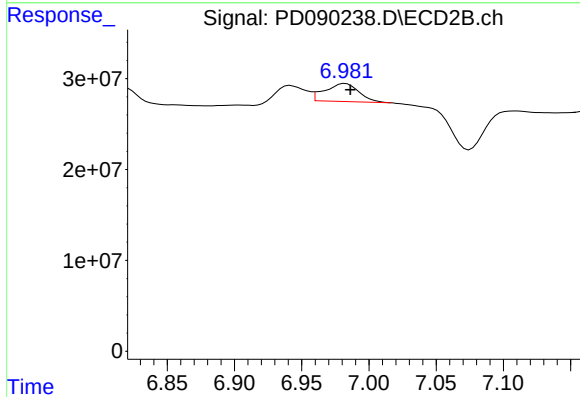
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: -0.001 min
Response: 2333356
Conc: 0.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

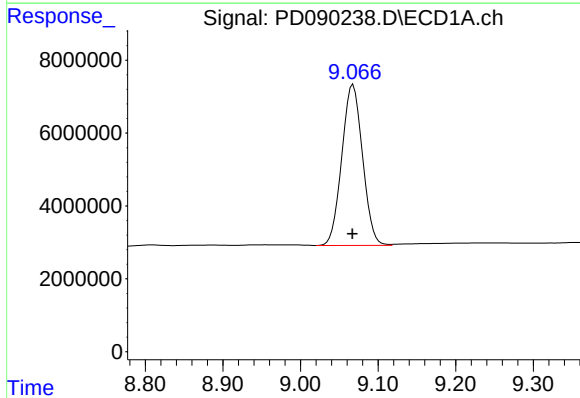
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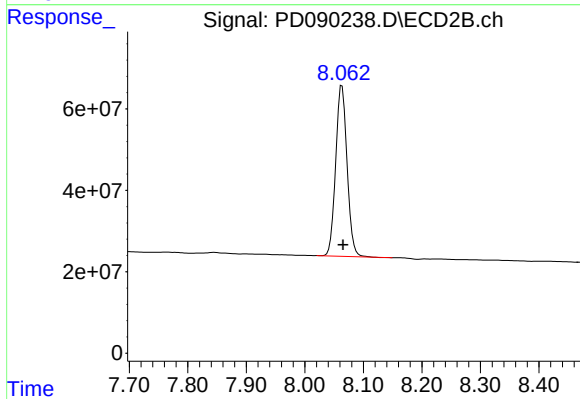
#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.005 min
Response: 33667590
Conc: 1.26 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.000 min
Response: 82023925
Conc: 19.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: -0.002 min
Response: 565668785
Conc: 21.85 ng/ml