

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD100725\
 Data File : PD090533.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Oct 2025 09:29
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/08/2025
 Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 07 12:01:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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	2.887	69072865	605.7E6	21.250	22.066m
28)	SA Decachlor...	9.063	8.073	97300931	651.8E6	20.166	20.109
Target Compounds							
2)	A alpha-BHC	3.994	3.400	66829529	506.8E6	9.568	11.575
3)	MA gamma-BHC...	4.324	3.736	65157802	471.4E6	9.847	11.573
6)	B beta-BHC	4.512	4.032	27545465	201.2E6	10.677	11.609
12)	B 4,4'-DDE	6.190	5.379	750498	5989845	0.144	0.156
14)	MA Endrin	6.567	5.793	252.3E6	1864.1E6	51.545	52.024
16)	A 4,4'-DDD	6.699	5.934	9846610	63353762	2.403	1.954
17)	MA 4,4'-DDT	7.015	6.187	431.1E6	3389.5E6	96.827	98.593
18)	B Endrin al...	6.911	6.261	2348861	18312927	0.685	0.778
20)	A Methoxychlor	7.487	6.757	513.2E6	3351.3E6	217.794	192.601
21)	B Endrin ke...	7.623	6.994	4225081	35323395	0.854	0.978

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

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Acq On : 07 Oct 2025 09:29
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

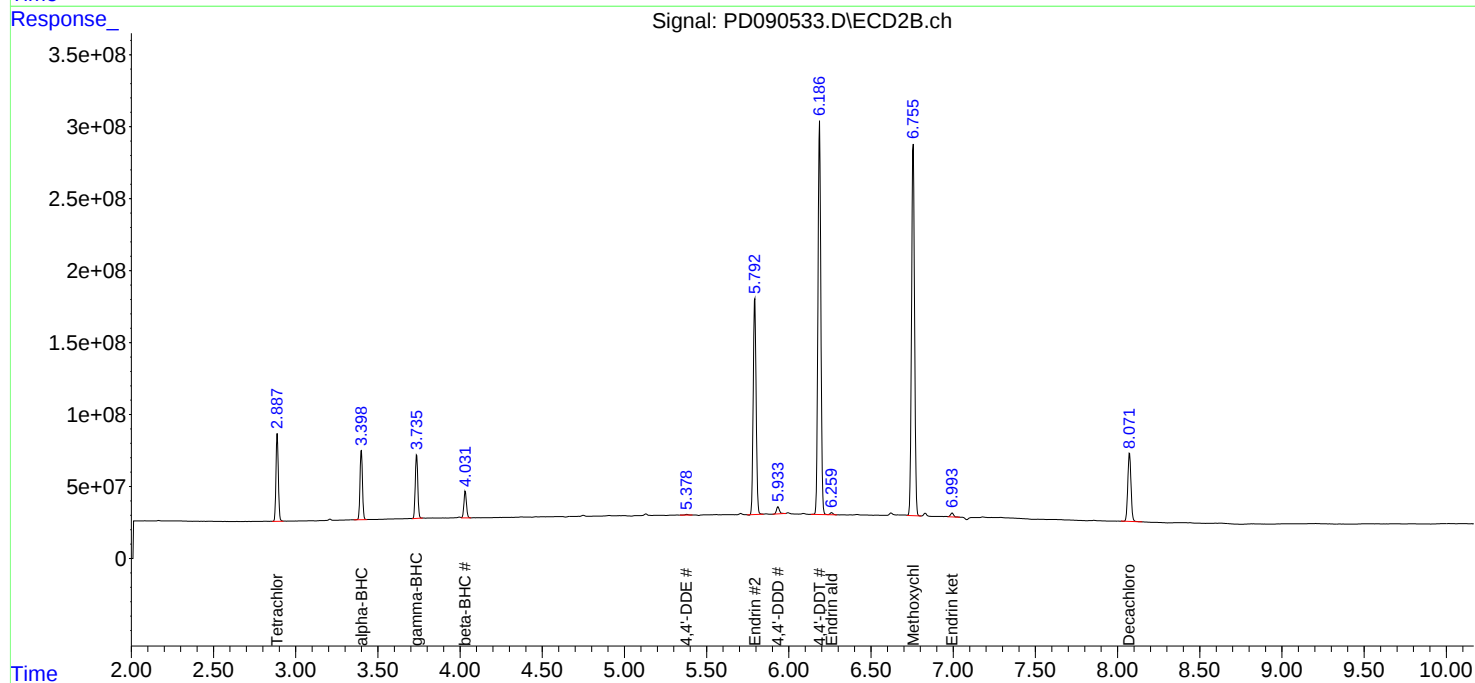
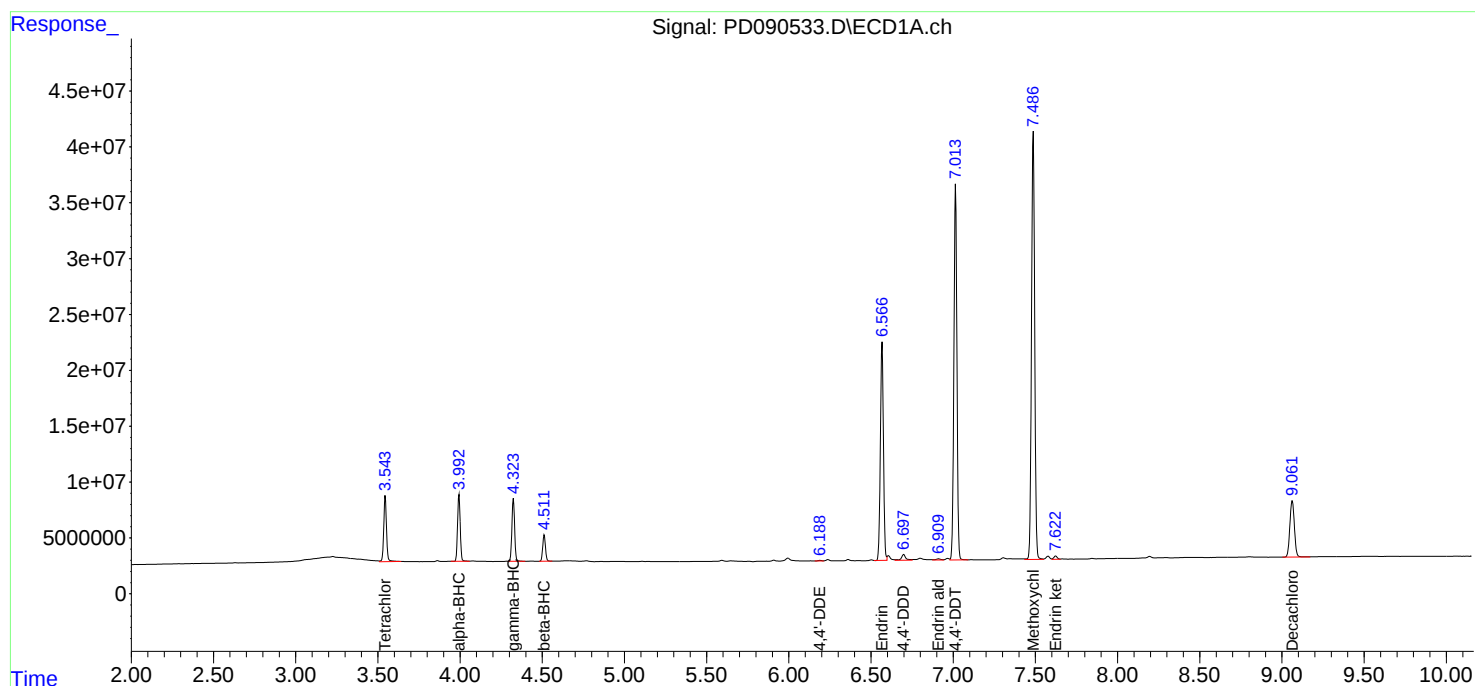
Instrument :
ECD_D
ClientSampleId :
PEM

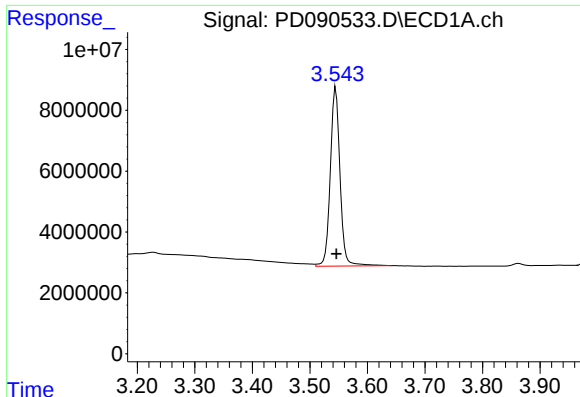
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Integration File signal 1: autoint1.e
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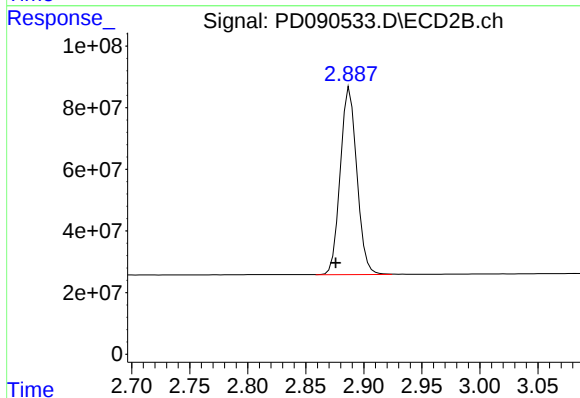
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: -0.001 min
Response: 69072865
Conc: 21.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

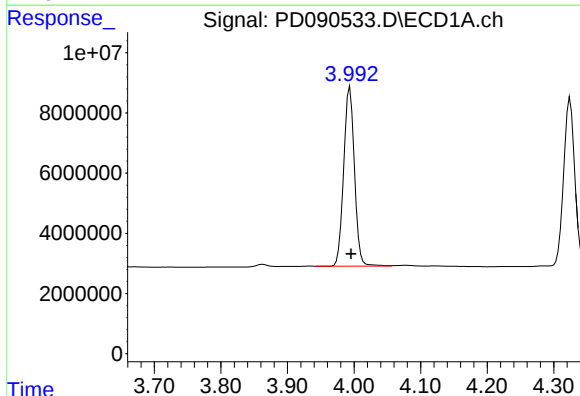
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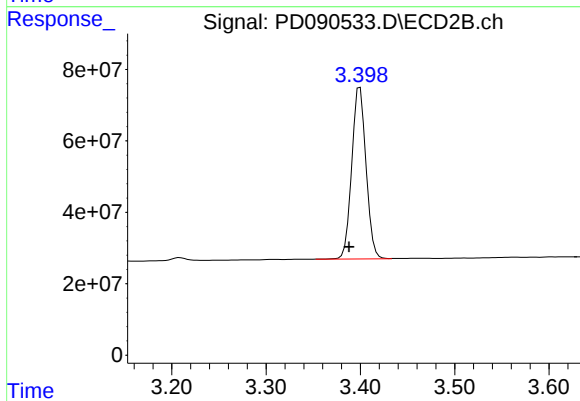
#1 Tetrachloro-m-xylene

R.T.: 2.887 min
Delta R.T.: 0.011 min
Response: 605724029
Conc: 22.07 ng/ml m



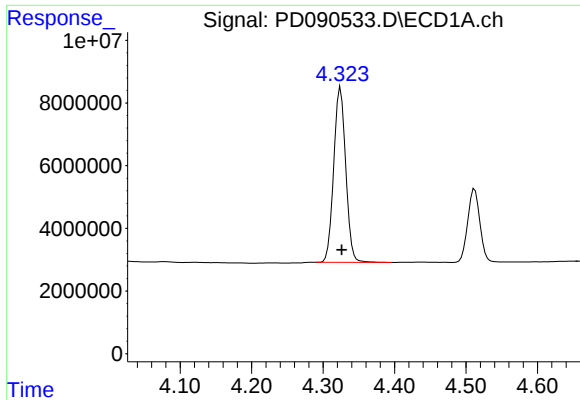
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: -0.002 min
Response: 66829529
Conc: 9.57 ng/ml



#2 alpha-BHC

R.T.: 3.400 min
Delta R.T.: 0.012 min
Response: 506786110
Conc: 11.57 ng/ml



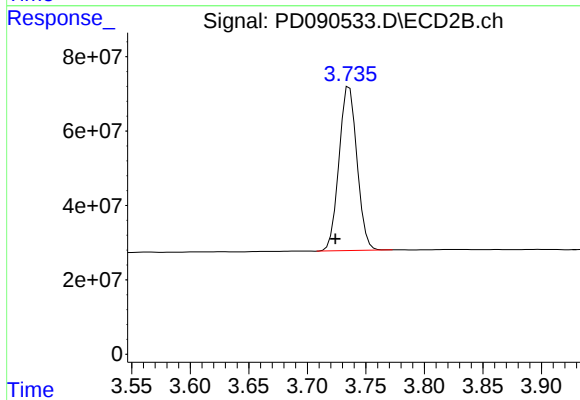
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.002 min
Response: 65157802
Conc: 9.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

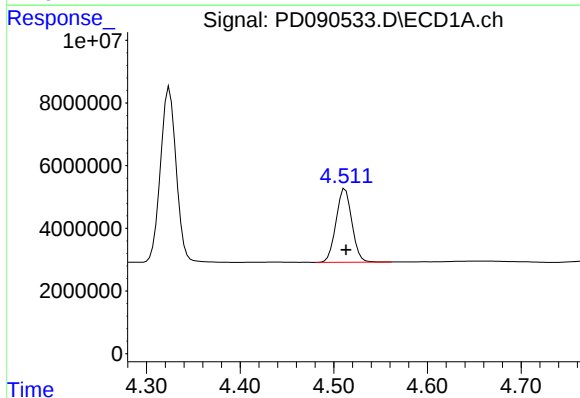
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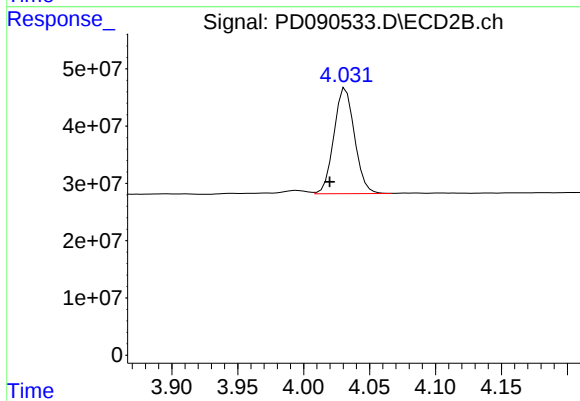
#3 gamma-BHC (Lindane)

R.T.: 3.736 min
Delta R.T.: 0.012 min
Response: 471434173
Conc: 11.57 ng/ml



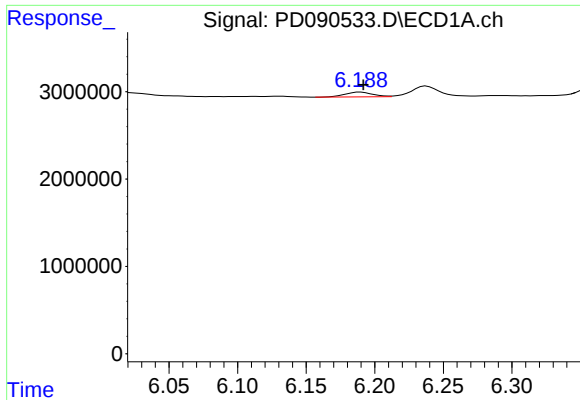
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.001 min
Response: 27545465
Conc: 10.68 ng/ml



#6 beta-BHC

R.T.: 4.032 min
Delta R.T.: 0.012 min
Response: 201243507
Conc: 11.61 ng/ml



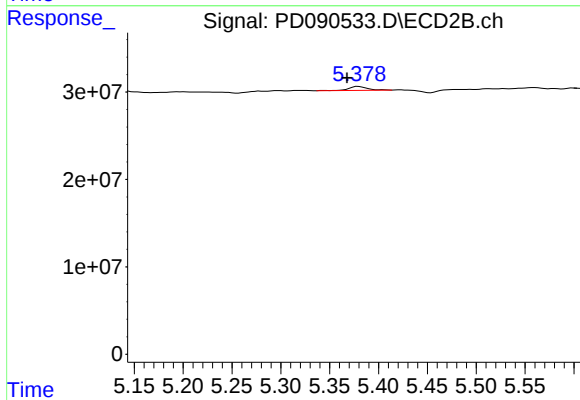
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.002 min
Response: 750498
Conc: 0.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

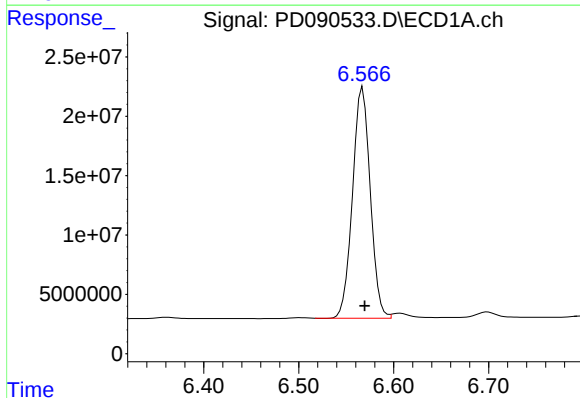
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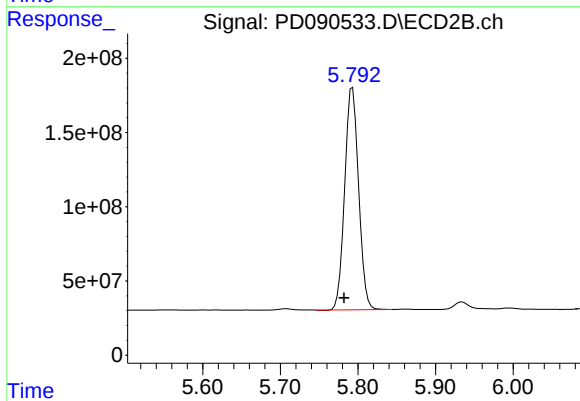
#12 4,4'-DDE

R.T.: 5.379 min
Delta R.T.: 0.012 min
Response: 5989845
Conc: 0.16 ng/ml



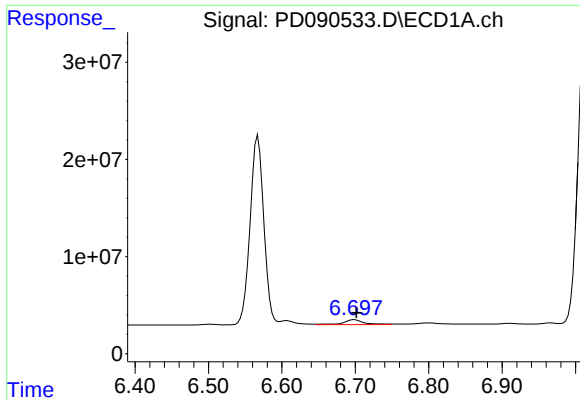
#14 Endrin

R.T.: 6.567 min
Delta R.T.: -0.002 min
Response: 252256704
Conc: 51.54 ng/ml



#14 Endrin

R.T.: 5.793 min
Delta R.T.: 0.011 min
Response: 1864116990
Conc: 52.02 ng/ml



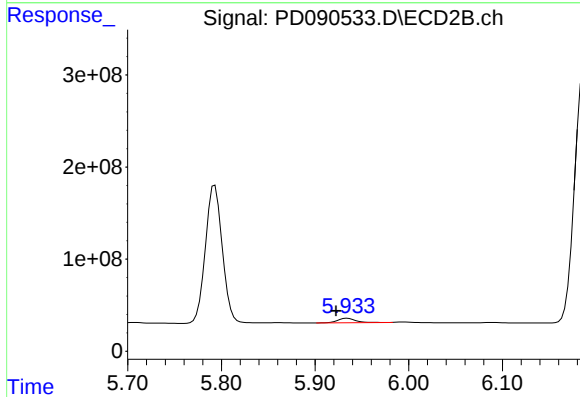
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.003 min
Response: 9846610
Conc: 2.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

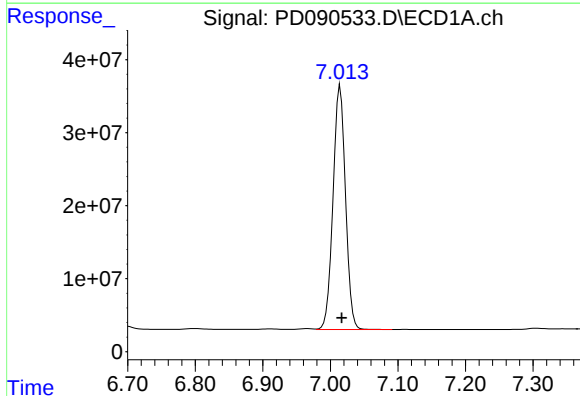
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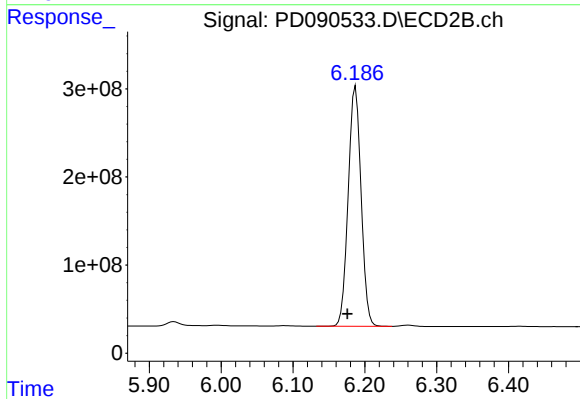
#16 4,4'-DDD

R.T.: 5.934 min
Delta R.T.: 0.012 min
Response: 63353762
Conc: 1.95 ng/ml



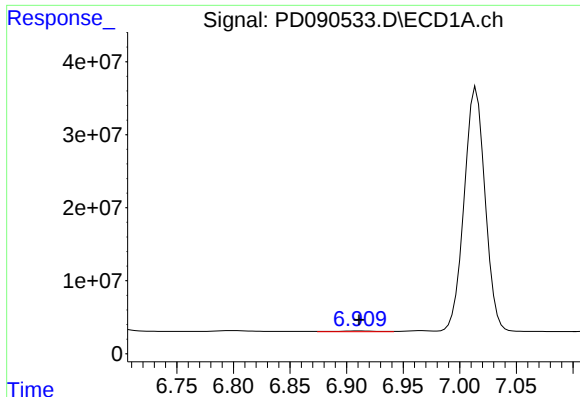
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.002 min
Response: 431119638
Conc: 96.83 ng/ml



#17 4,4'-DDT

R.T.: 6.187 min
Delta R.T.: 0.012 min
Response: 3389521312
Conc: 98.59 ng/ml



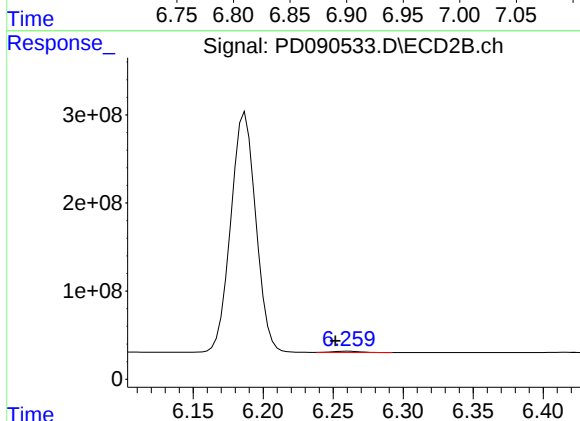
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 2348861
Conc: 0.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

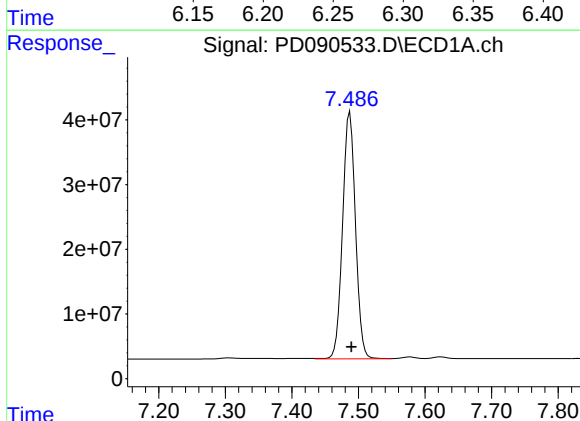
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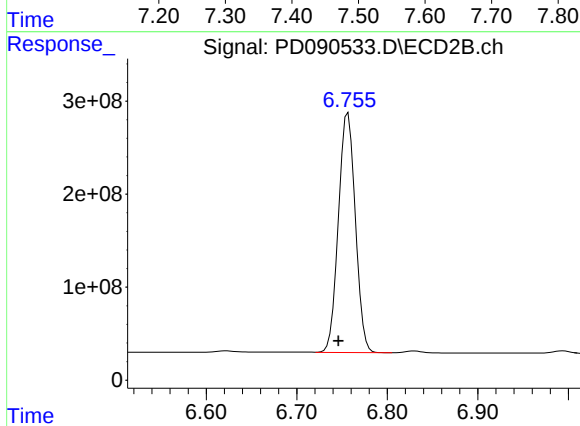
#18 Endrin aldehyde

R.T.: 6.261 min
Delta R.T.: 0.009 min
Response: 18312927
Conc: 0.78 ng/ml



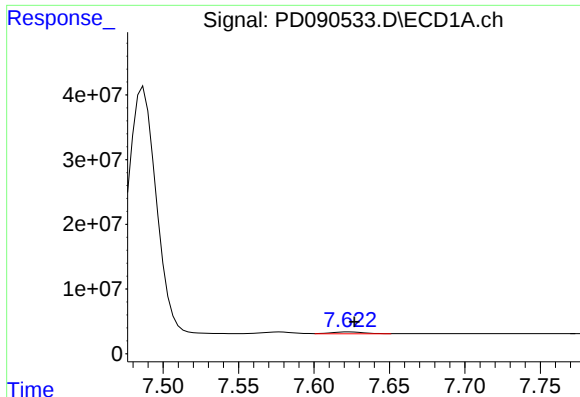
#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: -0.003 min
Response: 513233528
Conc: 217.79 ng/ml



#20 Methoxychlor

R.T.: 6.757 min
Delta R.T.: 0.011 min
Response: 3351324566
Conc: 192.60 ng/ml



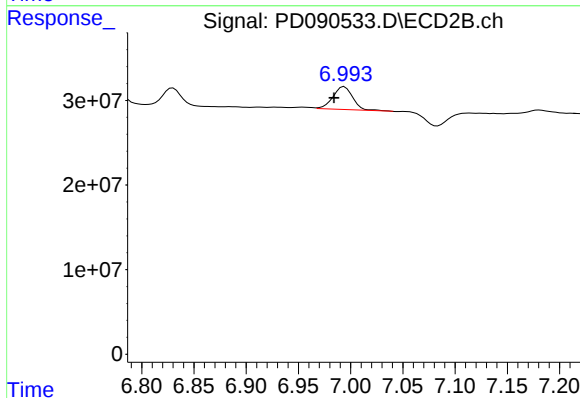
#21 Endrin ketone

R.T.: 7.623 min
Delta R.T.: -0.003 min
Response: 4225081
Conc: 0.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

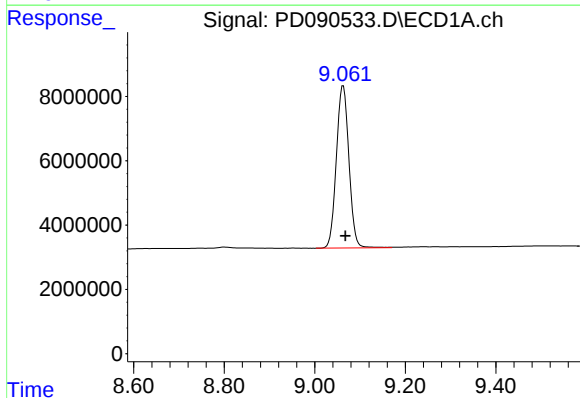
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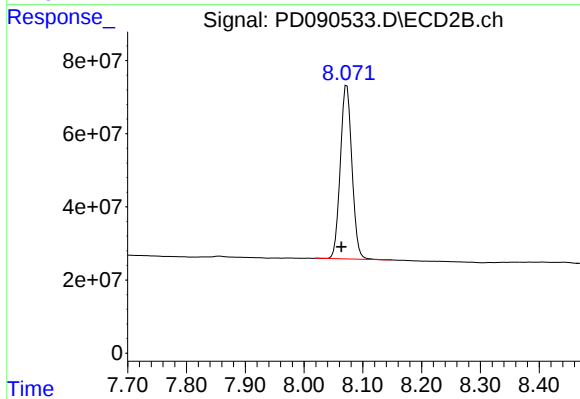
#21 Endrin ketone

R.T.: 6.994 min
Delta R.T.: 0.010 min
Response: 35323395
Conc: 0.98 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: -0.005 min
Response: 97300931
Conc: 20.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.073 min
Delta R.T.: 0.009 min
Response: 651832542
Conc: 20.11 ng/ml