

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
 Data File : PD090812.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 11:16
 Operator : AR\AJ
 Sample : Q3419-03MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PR-132-S16-015094-20251021MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/27/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 23:35:08 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	2.873	37524919	374.1E6	12.050m	12.563
28)	SA Decachlor...	9.067	8.059	57134503	384.6E6	12.214	12.696
Target Compounds							
2)	A alpha-BHC	3.995	3.384	279.5E6	1866.5E6	38.938	36.530
3)	MA gamma-BHC...	4.326	3.721	217.4E6	1481.1E6	31.972	31.347
4)	MA Heptachlor	4.924	4.073	279.6E6	1916.9E6	50.020	42.977
5)	MB Aldrin	5.265	4.357	290.5E6	1940.6E6	44.367	41.897m
6)	B beta-BHC	4.513	4.017	108.9E6	826.5E6	41.575	41.680
7)	B delta-BHC	4.761	4.253	210.4E6	1472.8E6	31.122	30.866
8)	B Heptachlo...	5.685	4.861	273.5E6	1794.7E6	47.252	42.090
9)	A Endosulfan I	6.069	5.236	247.2E6	1471.4E6	44.643	37.353
10)	B gamma-Chl...	5.940	5.114	265.1E6	1962.2E6	44.690	43.653
11)	B alpha-Chl...	6.021	5.179	293.5E6	1825.8E6	47.486	42.324
12)	B 4,4'-DDE	6.191	5.363	235.5E6	1896.5E6	44.203	43.262
13)	MA Dieldrin	6.342	5.502	263.7E6	1913.5E6	45.227	43.308
14)	MA Endrin	6.569	5.778	216.0E6	1618.1E6	43.608	39.960
15)	B Endosulfa...	6.782	6.068	218.6E6	1625.5E6	43.722	43.283m
16)	A 4,4'-DDD	6.701	5.918	184.2E6	1472.6E6	45.429	40.414
17)	MA 4,4'-DDT	7.016	6.172	175.4E6	1467.4E6	42.678	41.840
18)	B Endrin al...	6.910	6.248	122.6E6	887.4E6	33.475	32.043
19)	B Endosulfa...	7.145	6.472	130.2E6	994.0E6	28.072	27.731
20)	A Methoxychlor	7.489	6.742	90009473	737.9E6	42.346	42.340
21)	B Endrin ke...	7.625	6.980	218.0E6	1696.0E6	44.875	44.966
22)	Mirex	8.108	7.172	140.0E6	1136.8E6	43.741	44.251

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
Data File : PD090812.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 11:16
Operator : AR\AJ
Sample : Q3419-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

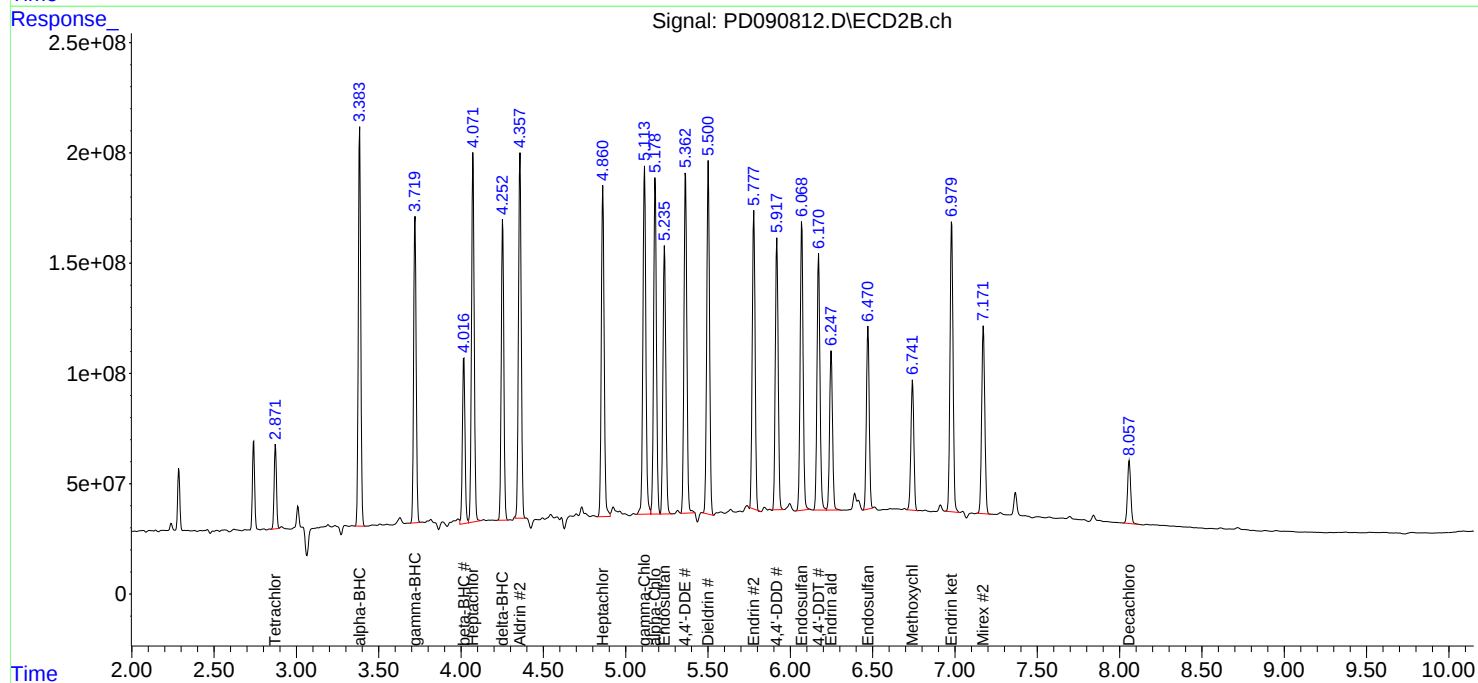
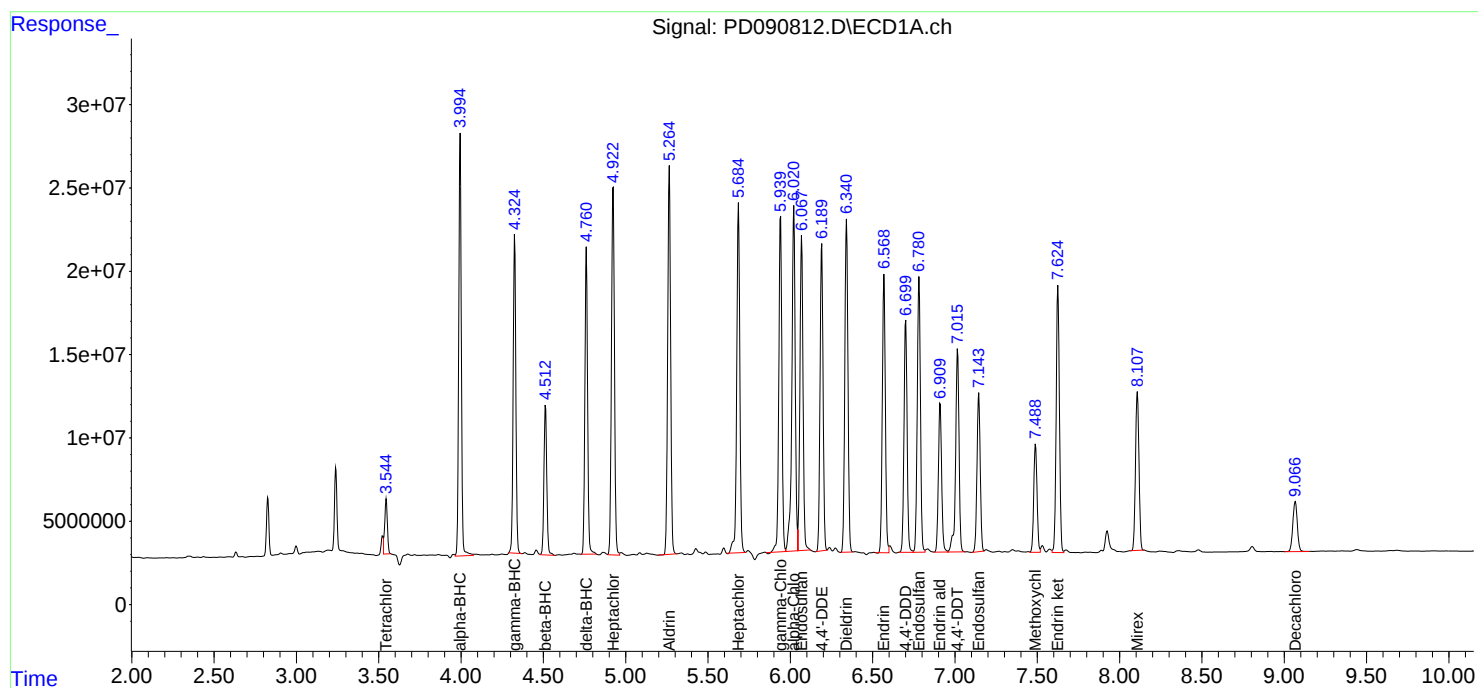
Instrument :
ECD_D
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PR-132-S16-015094-20251021MSD

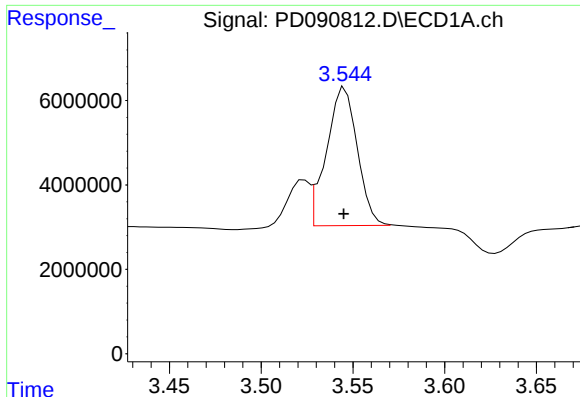
Manual Integrations
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:35:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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





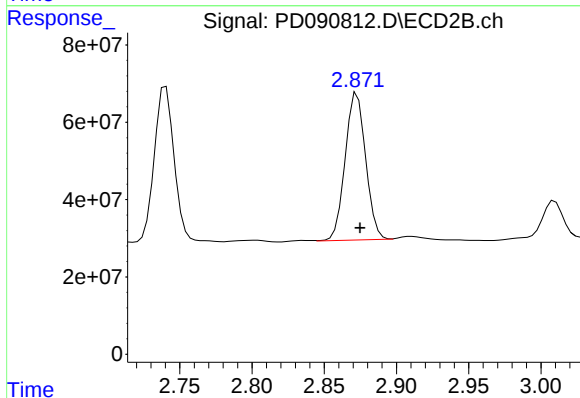
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 37524919
Conc: 12.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
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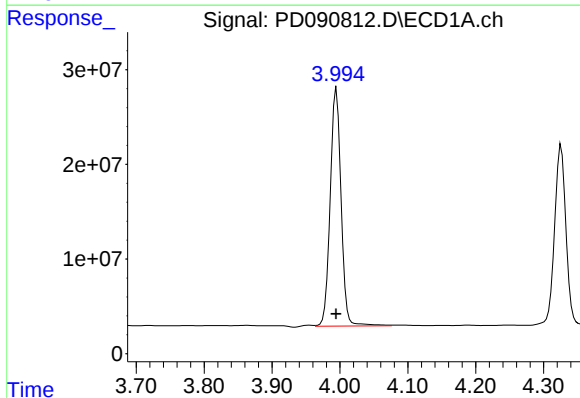
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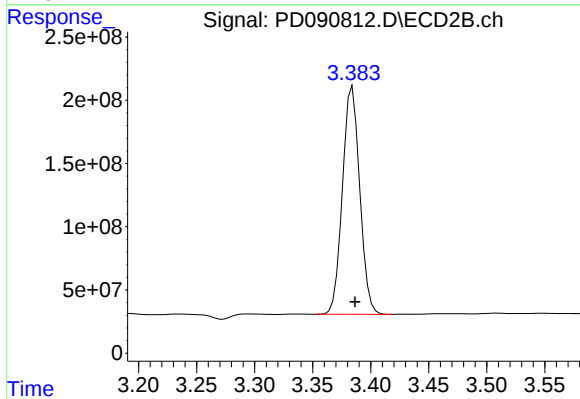
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.002 min
Response: 374092367
Conc: 12.56 ng/ml



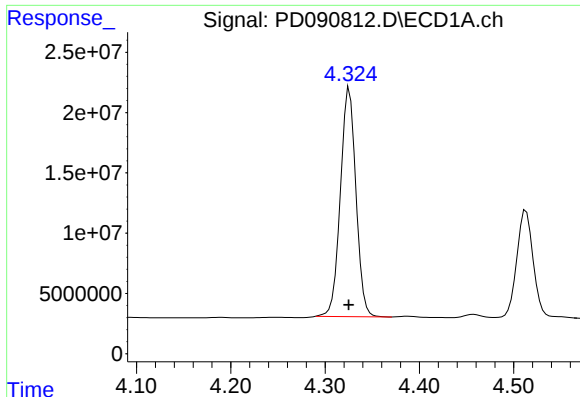
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 279465391
Conc: 38.94 ng/ml



#2 alpha-BHC

R.T.: 3.384 min
Delta R.T.: -0.002 min
Response: 1866528332
Conc: 36.53 ng/ml



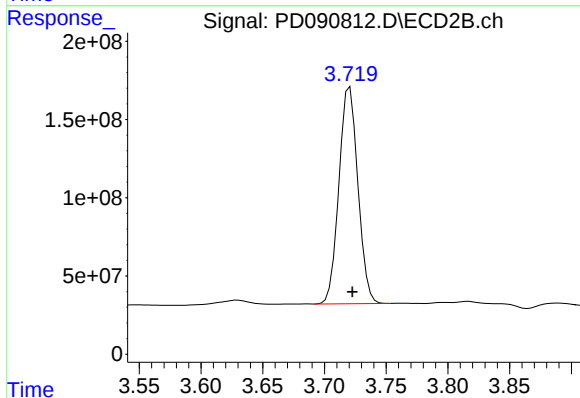
#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 217371116
Conc: 31.97 ng/ml

Instrument :
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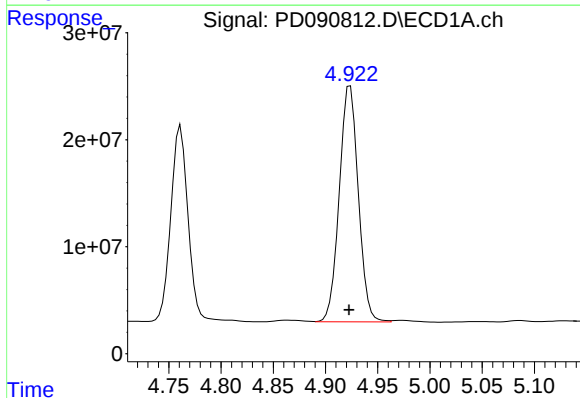
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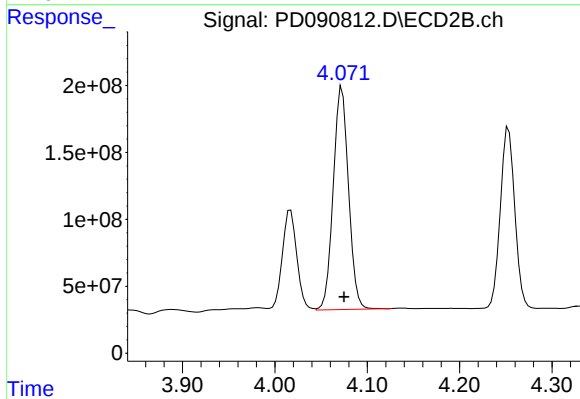
#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.002 min
Response: 1481132556
Conc: 31.35 ng/ml



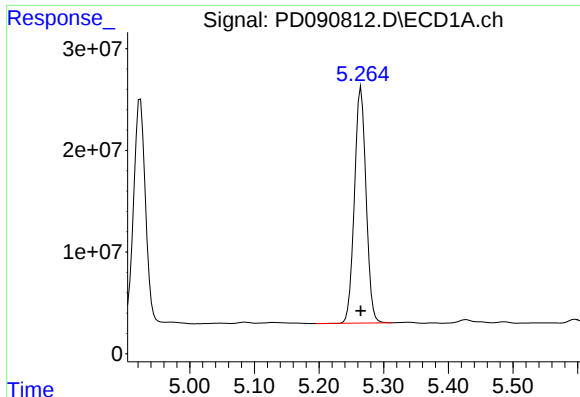
#4 Heptachlor

R.T.: 4.924 min
Delta R.T.: 0.000 min
Response: 279592224
Conc: 50.02 ng/ml



#4 Heptachlor

R.T.: 4.073 min
Delta R.T.: -0.002 min
Response: 1916914893
Conc: 42.98 ng/ml



#5 Aldrin

R.T.: 5.265 min
Delta R.T.: 0.000 min
Response: 290481568
Conc: 44.37 ng/ml

Instrument :

ECD_D

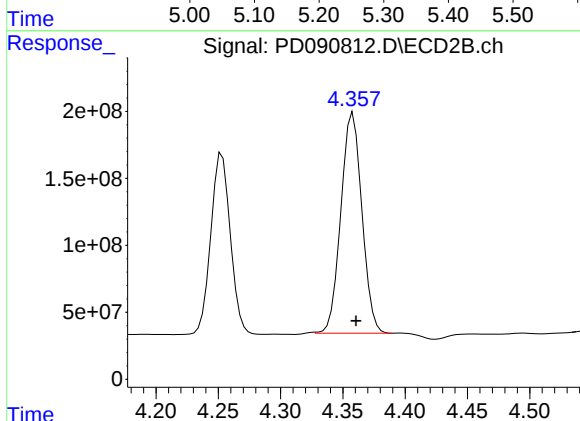
ClientSampleId :

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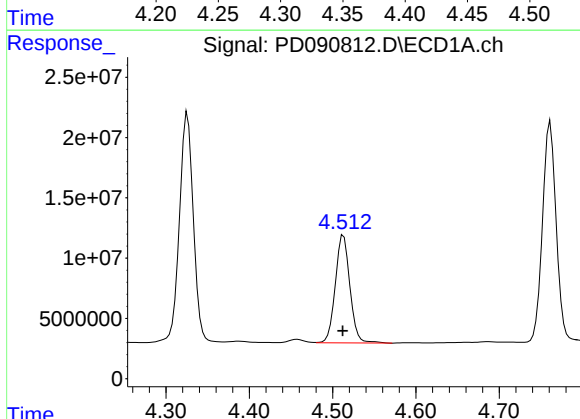
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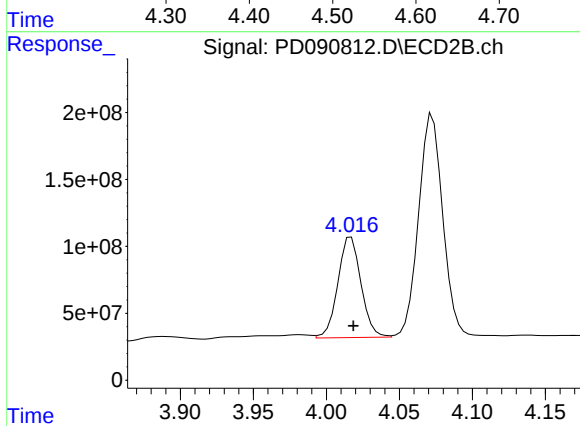
#5 Aldrin

R.T.: 4.357 min
Delta R.T.: -0.004 min
Response: 1940630189
Conc: 41.90 ng/ml m



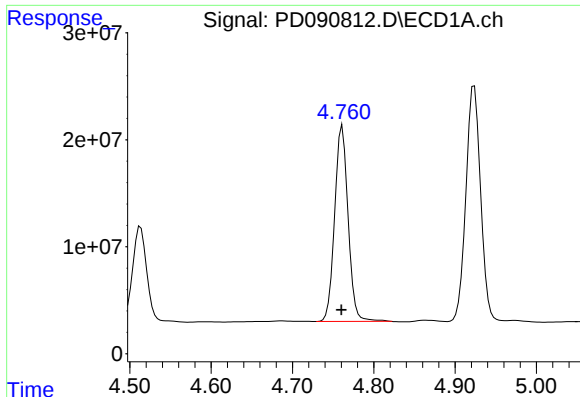
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.001 min
Response: 108912158
Conc: 41.58 ng/ml



#6 beta-BHC

R.T.: 4.017 min
Delta R.T.: -0.002 min
Response: 826495192
Conc: 41.68 ng/ml



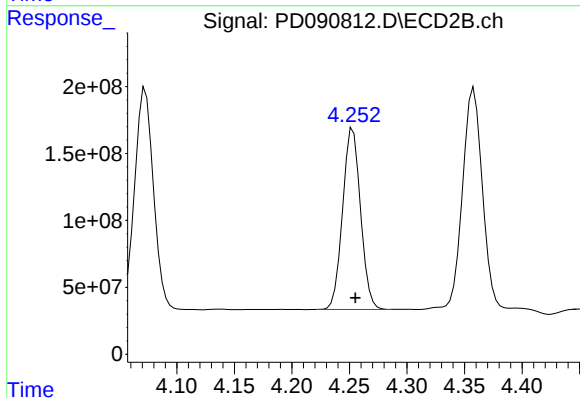
#7 delta-BHC

R.T.: 4.761 min
Delta R.T.: 0.001 min
Response: 210440125
Conc: 31.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MSD

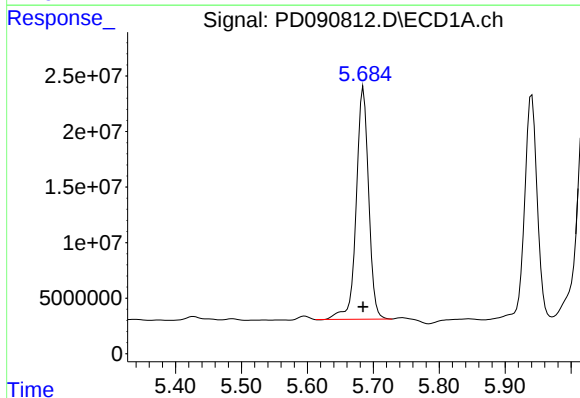
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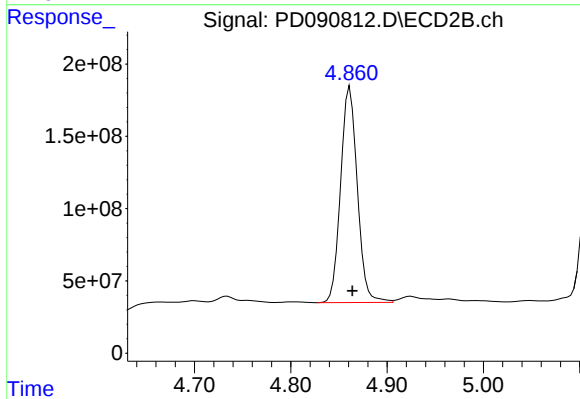
#7 delta-BHC

R.T.: 4.253 min
Delta R.T.: -0.002 min
Response: 1472821741
Conc: 30.87 ng/ml



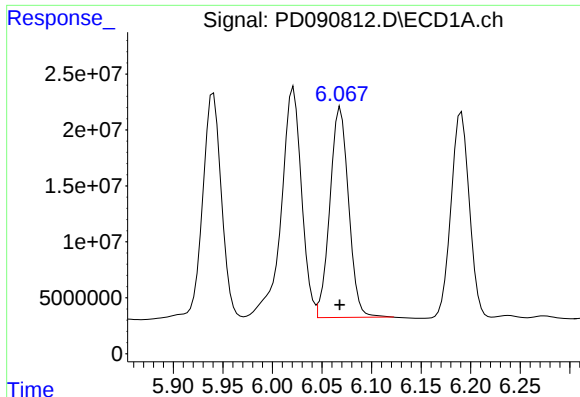
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 273542413
Conc: 47.25 ng/ml



#8 Heptachlor epoxide

R.T.: 4.861 min
Delta R.T.: -0.003 min
Response: 1794691956
Conc: 42.09 ng/ml



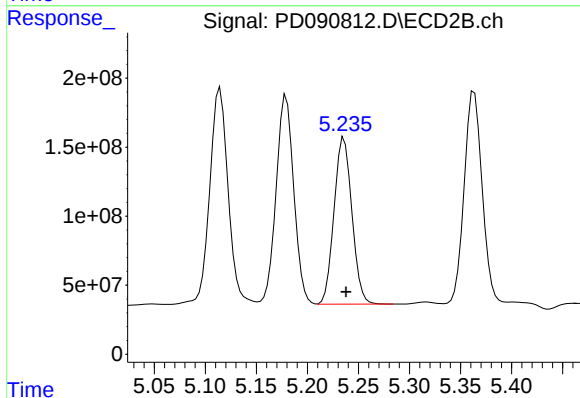
#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 247171969
Conc: 44.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MSD

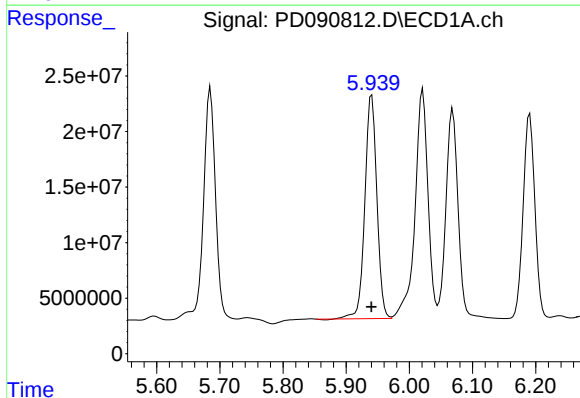
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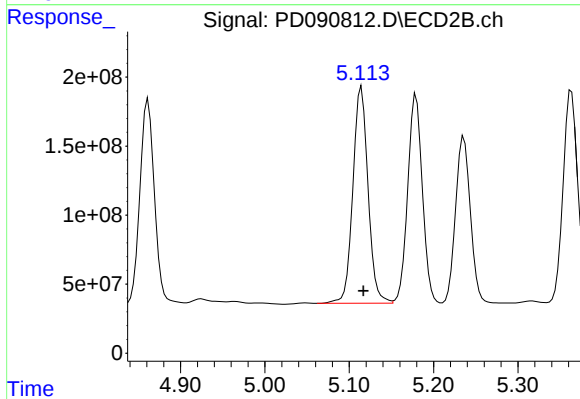
#9 Endosulfan I

R.T.: 5.236 min
Delta R.T.: -0.002 min
Response: 1471358080
Conc: 37.35 ng/ml



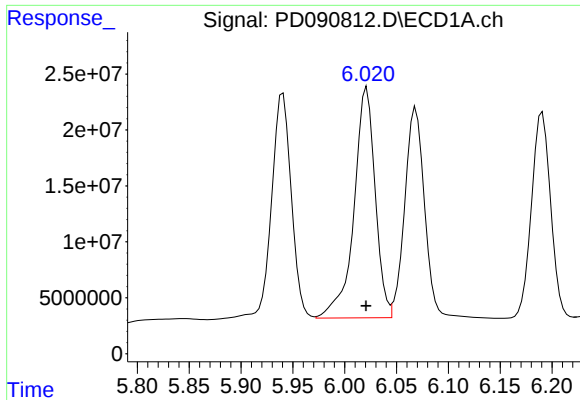
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 265066346
Conc: 44.69 ng/ml



#10 gamma-Chlordane

R.T.: 5.114 min
Delta R.T.: -0.002 min
Response: 1962151012
Conc: 43.65 ng/ml



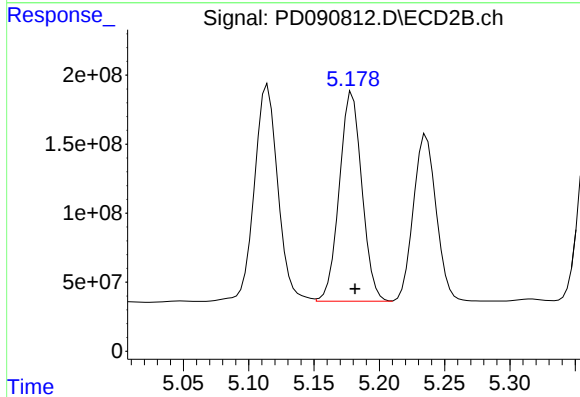
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 293474813
Conc: 47.49 ng/ml

Instrument :
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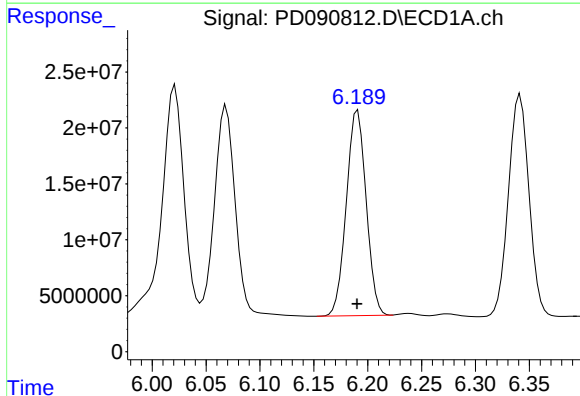
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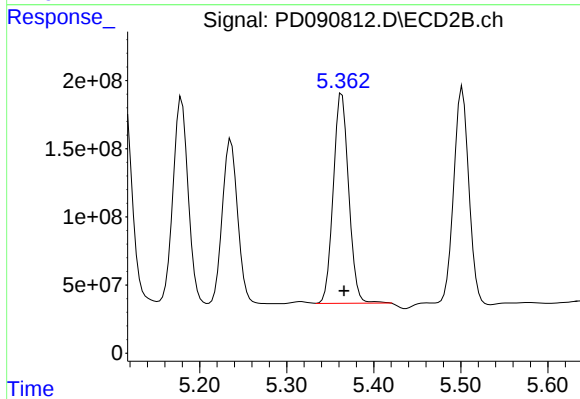
#11 alpha-Chlordane

R.T.: 5.179 min
Delta R.T.: -0.002 min
Response: 1825780572
Conc: 42.32 ng/ml



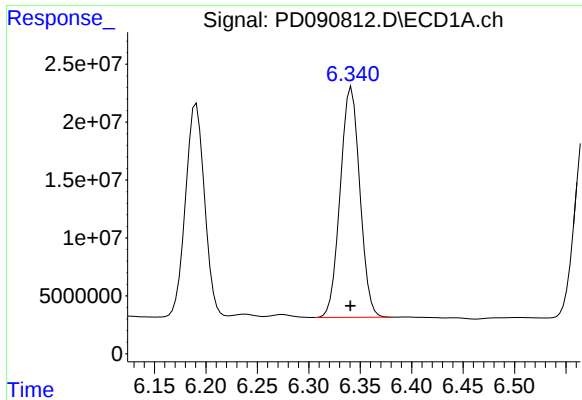
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 235451576
Conc: 44.20 ng/ml



#12 4,4'-DDE

R.T.: 5.363 min
Delta R.T.: -0.002 min
Response: 1896530562
Conc: 43.26 ng/ml



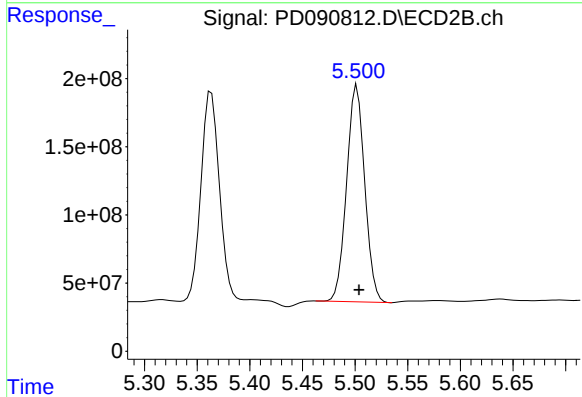
#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: 0.001 min
Response: 263733410
Conc: 45.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
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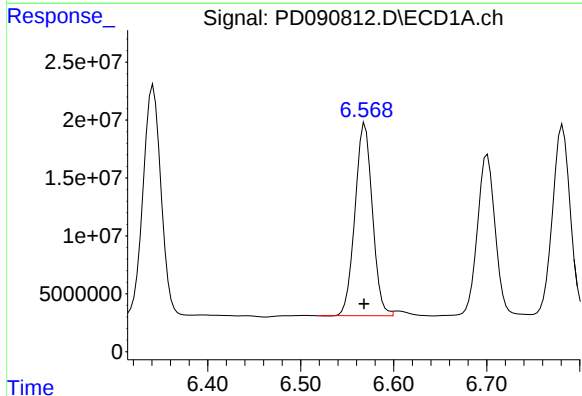
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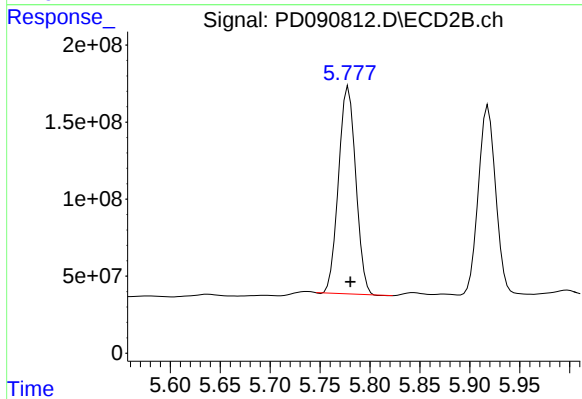
#13 Dieldrin

R.T.: 5.502 min
Delta R.T.: -0.002 min
Response: 1913503906
Conc: 43.31 ng/ml



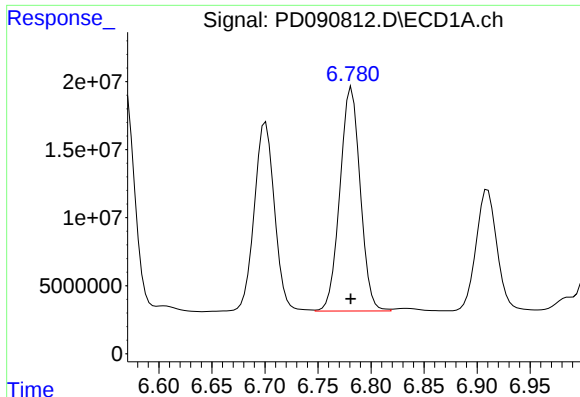
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 216021937
Conc: 43.61 ng/ml



#14 Endrin

R.T.: 5.778 min
Delta R.T.: -0.002 min
Response: 1618124031
Conc: 39.96 ng/ml



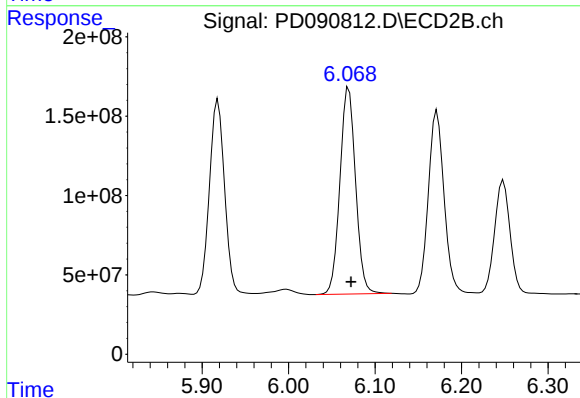
#15 Endosulfan II

R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 218609289
Conc: 43.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MSD

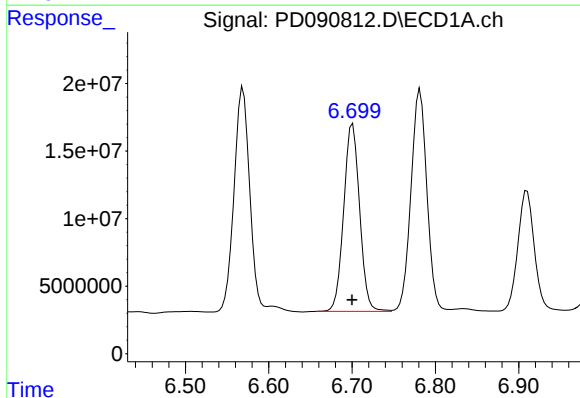
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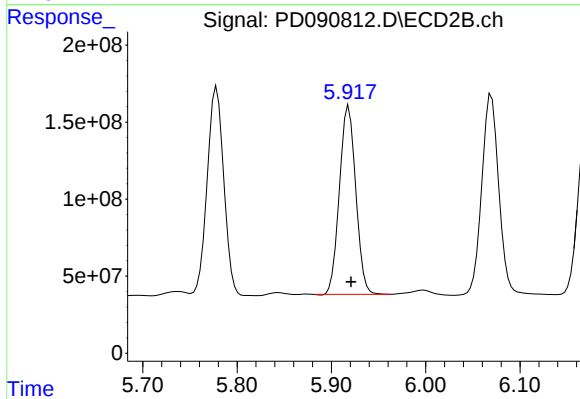
#15 Endosulfan II

R.T.: 6.068 min
Delta R.T.: -0.004 min
Response: 1625511851
Conc: 43.28 ng/ml m



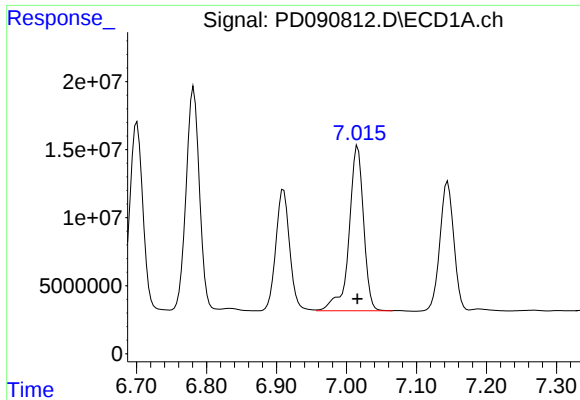
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 184179163
Conc: 45.43 ng/ml



#16 4,4'-DDD

R.T.: 5.918 min
Delta R.T.: -0.002 min
Response: 1472616018
Conc: 40.41 ng/ml



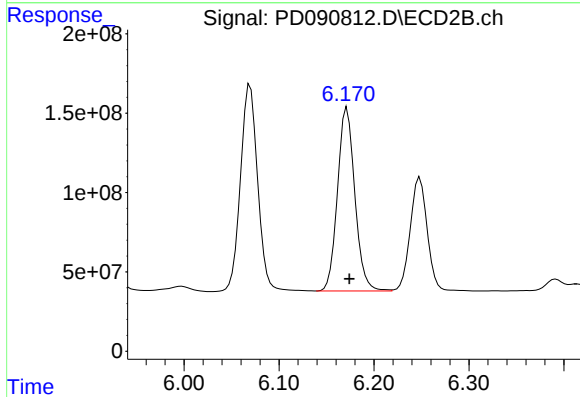
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 175425619
Conc: 42.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
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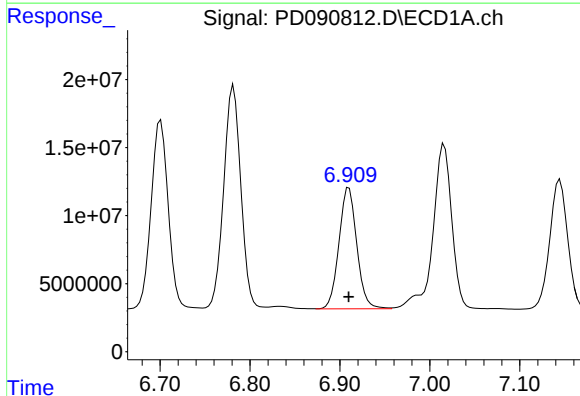
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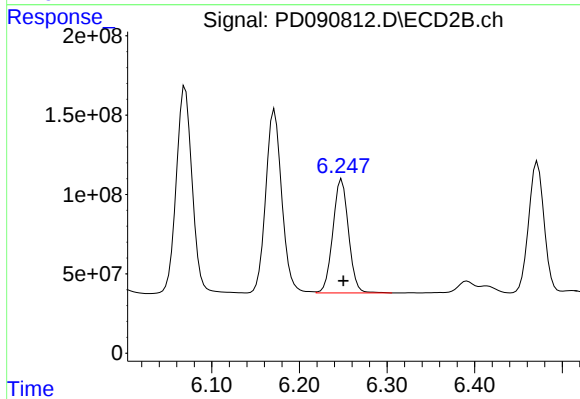
#17 4,4'-DDT

R.T.: 6.172 min
Delta R.T.: -0.002 min
Response: 1467449249
Conc: 41.84 ng/ml



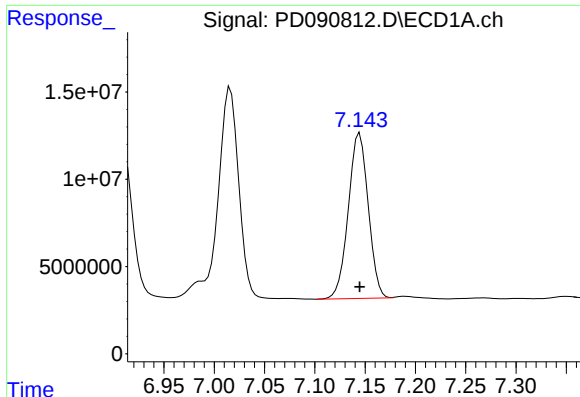
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 122609201
Conc: 33.48 ng/ml



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.002 min
Response: 887363754
Conc: 32.04 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 130203506
Conc: 28.07 ng/ml

Instrument :

ECD_D

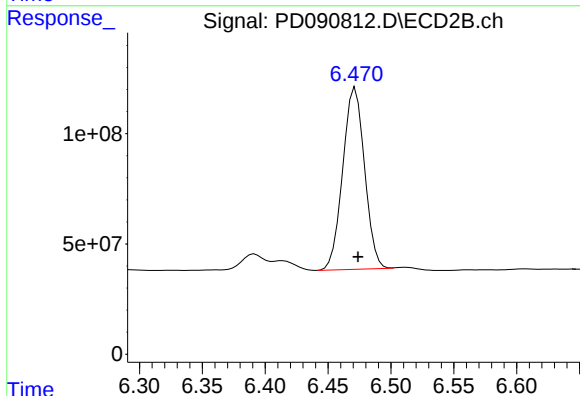
ClientSampleId :

PR-132-S16-015094-20251021MSD

Manual Integrations

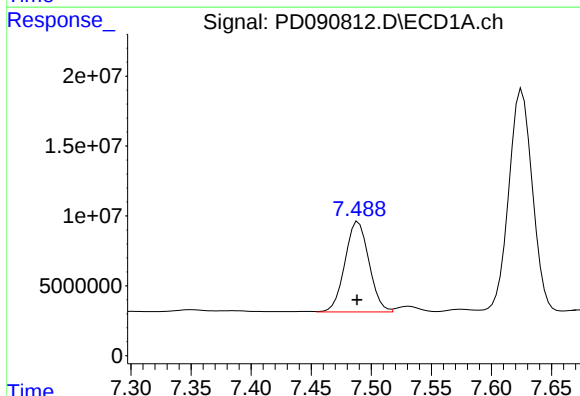
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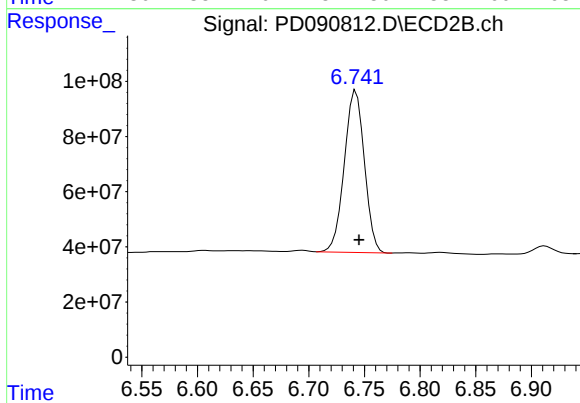
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.002 min
Response: 994013510
Conc: 27.73 ng/ml



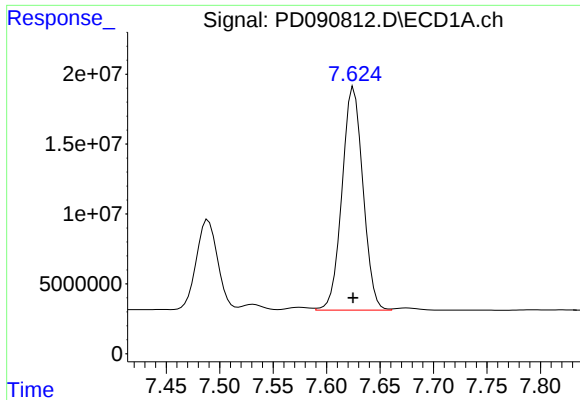
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 90009473
Conc: 42.35 ng/ml



#20 Methoxychlor

R.T.: 6.742 min
Delta R.T.: -0.003 min
Response: 737892545
Conc: 42.34 ng/ml



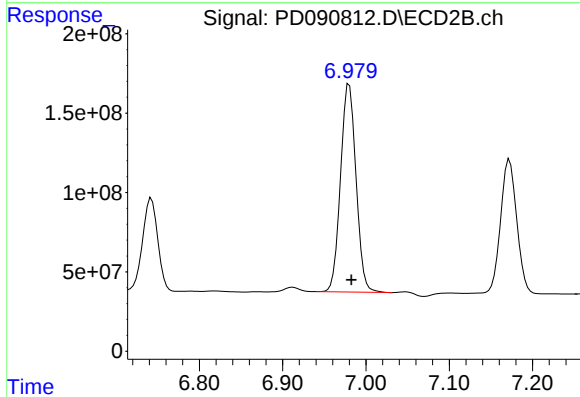
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 218042914
Conc: 44.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MSD

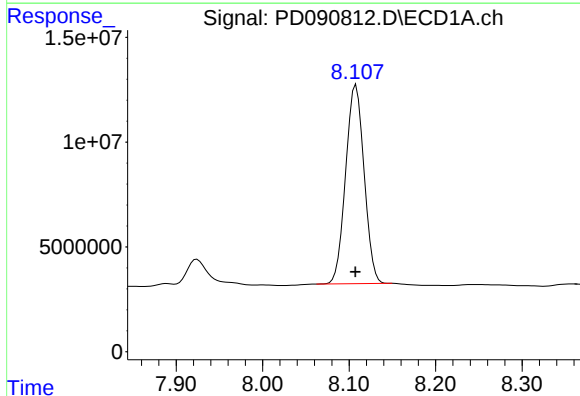
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



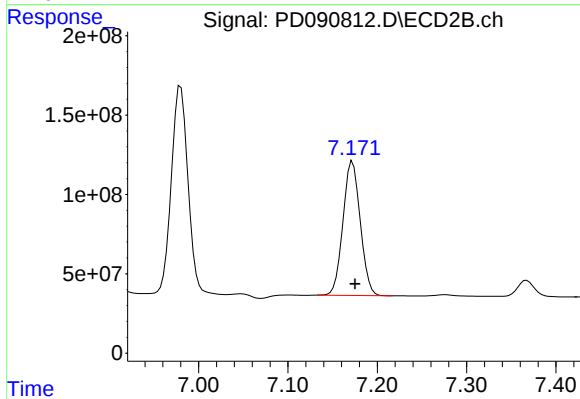
#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: -0.003 min
Response: 1696006543
Conc: 44.97 ng/ml



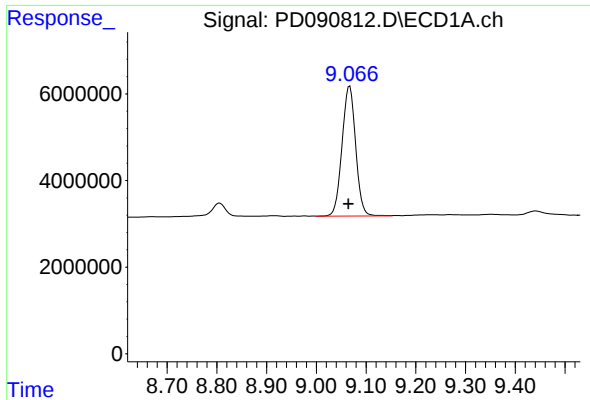
#22 Mirex

R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 140009299
Conc: 43.74 ng/ml



#22 Mirex

R.T.: 7.172 min
Delta R.T.: -0.003 min
Response: 1136841210
Conc: 44.25 ng/ml



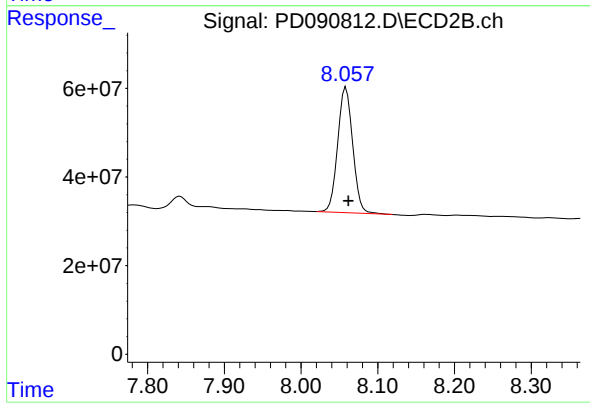
#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.003 min
Response: 57134503
Conc: 12.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MSD

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.003 min
Response: 384574724
Conc: 12.70 ng/ml