

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102725\
 Data File : PD090860.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2025 20:51
 Operator : AR\AJ
 Sample : Q3447-02MSD
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 P001-TW1-251023-01MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/28/2025
 Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 01:13:51 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...	3.543	2.873	50600522	541.1E6	16.249	18.171
28)	SA Decachlor...	9.060	8.058	84819155	548.6E6	18.132	18.111
Target Compounds							
2)	A alpha-BHC	3.991	3.384	313.2E6	2042.2E6	43.638m	39.968
3)	MA gamma-BHC...	4.323	3.720	293.6E6	1770.6E6	43.179	37.473
4)	MA Heptachlor	4.921	4.072	287.2E6	1744.1E6	51.389	39.103
5)	MB Aldrin	5.262	4.357	279.2E6	1621.8E6	42.644	35.014
6)	B beta-BHC	4.508	4.016	117.5E6	801.4E6	44.855m	40.415
7)	B delta-BHC	4.758	4.252	313.6E6	1828.5E6	46.383	38.319
8)	B Heptachlo...	5.682	4.861	274.1E6	1675.6E6	47.350	39.298
9)	A Endosulfan I	6.065	5.235	268.6E6	1575.0E6	48.518	39.985
10)	B gamma-Chl...	5.937	5.113	277.7E6	1780.1E6	46.821	39.603
11)	B alpha-Chl...	6.018	5.179	287.0E6	1692.6E6	46.435	39.237
12)	B 4,4'-DDE	6.187	5.363	253.0E6	1749.1E6	47.497	39.899
13)	MA Dieldrin	6.338	5.501	282.5E6	1814.7E6	48.441	41.071
14)	MA Endrin	6.565	5.777	275.1E6	1686.3E6	55.541	41.643 #
15)	B Endosulfa...	6.778	6.069	235.4E6	1777.1E6	47.076	47.320
16)	A 4,4'-DDD	6.697	5.918	200.8E6	1567.1E6	49.537	43.008
17)	MA 4,4'-DDT	7.013	6.171	215.0E6	1614.2E6	52.298	46.024
18)	B Endrin al...	6.907	6.247	179.3E6	1157.3E6	48.958	41.790
19)	B Endosulfa...	7.141	6.470	223.0E6	1621.2E6	48.089	45.228
20)	A Methoxychlor	7.485	6.741	105.0E6	803.9E6	49.382	46.127
21)	B Endrin ke...	7.622	6.980	240.5E6	1719.9E6	49.498	45.601
22)	Mirex	8.104	7.172	141.5E6	1102.6E6	44.204	42.917

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102725\
Data File : PD090860.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2025 20:51
Operator : AR\AJ
Sample : Q3447-02MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

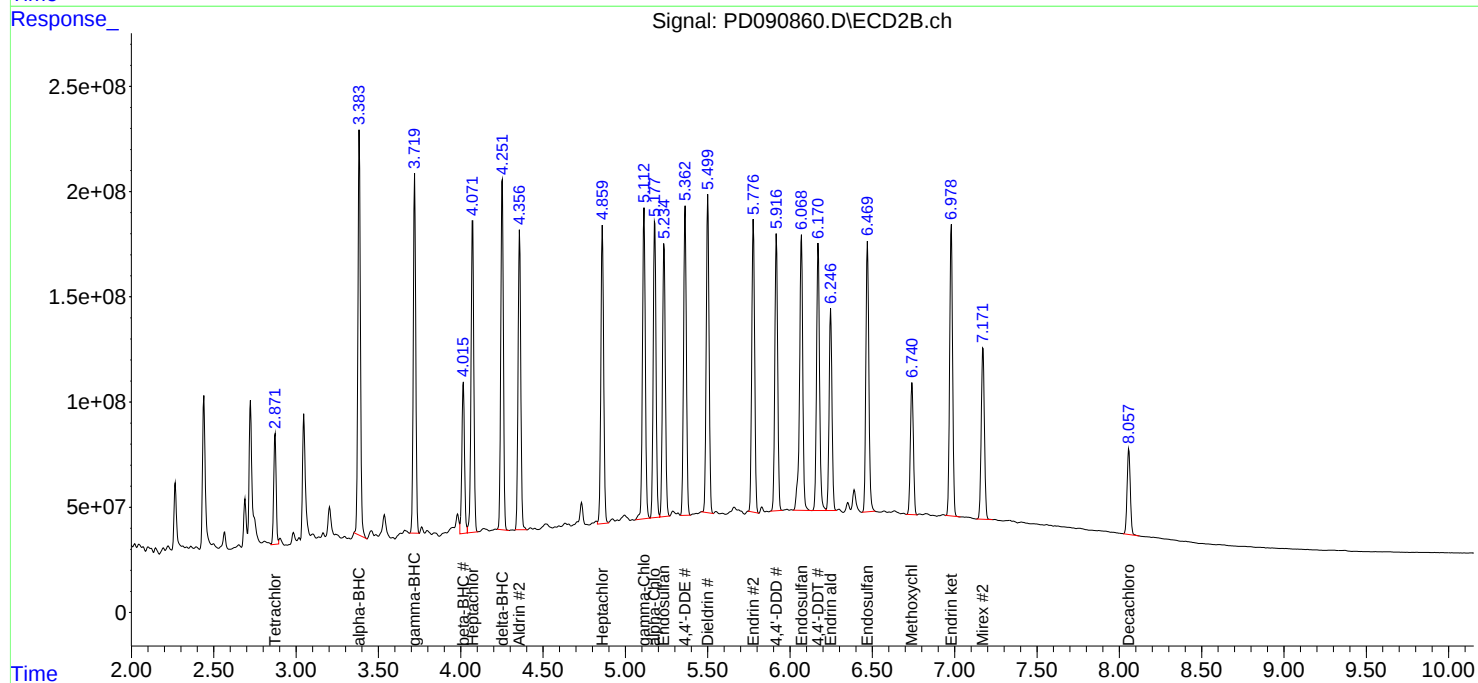
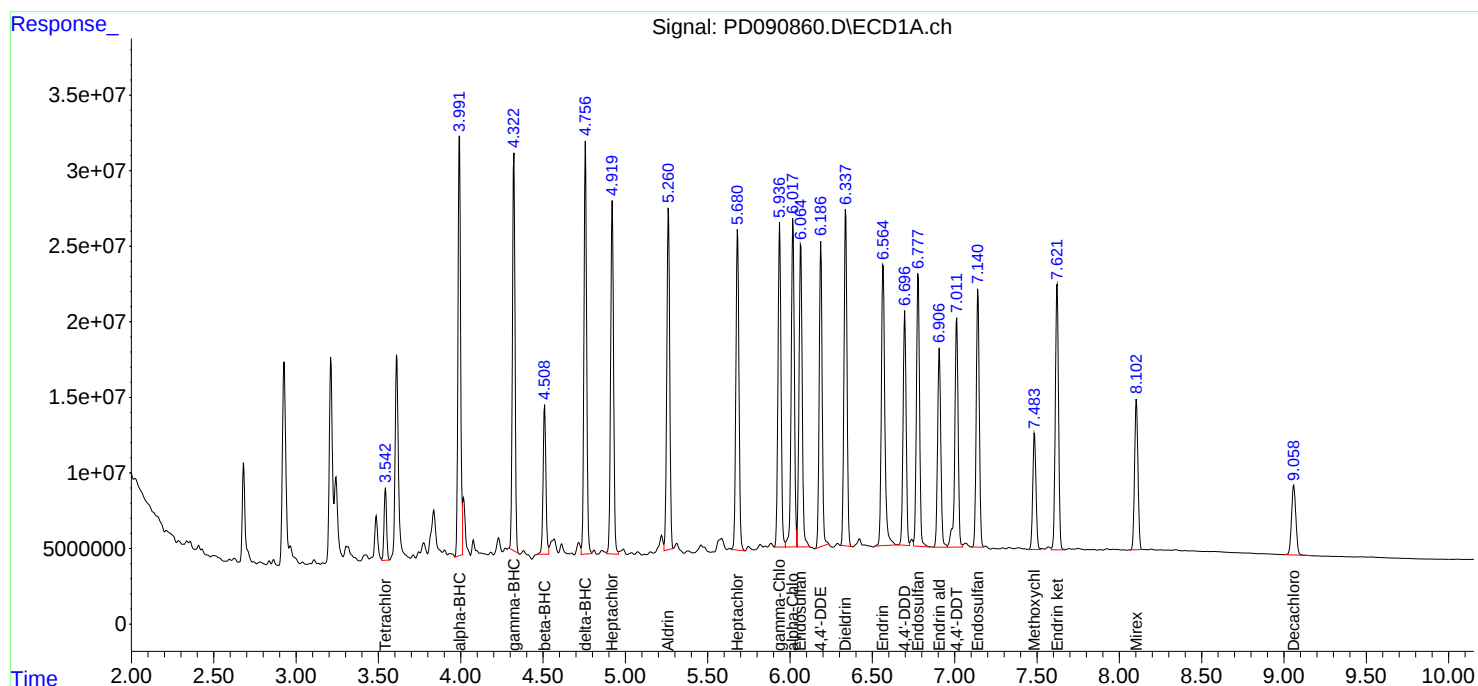
Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01MSD

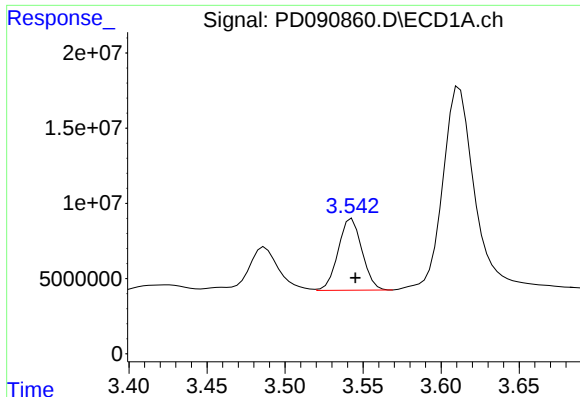
Manual Integrations
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Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 01:13:51 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





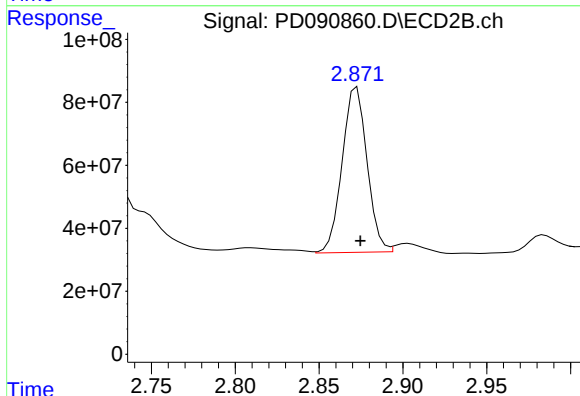
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 50600522
Conc: 16.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01MSD

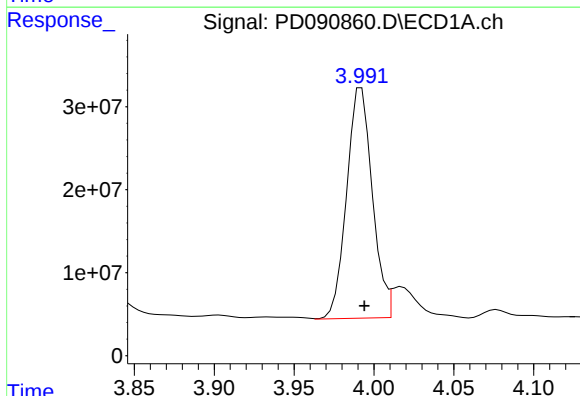
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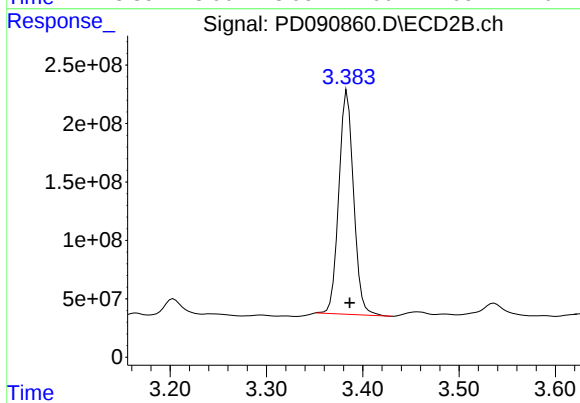
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.002 min
Response: 541075145
Conc: 18.17 ng/ml



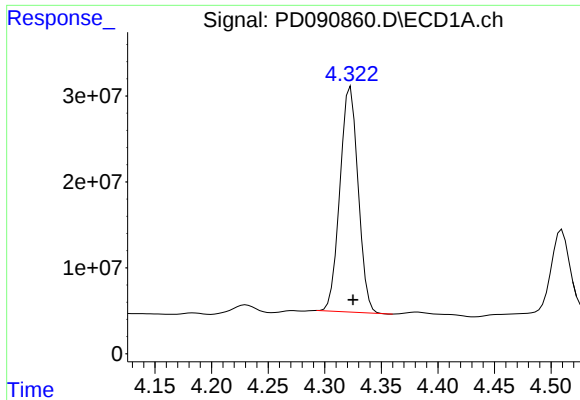
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.003 min
Response: 313196516
Conc: 43.64 ng/ml m



#2 alpha-BHC

R.T.: 3.384 min
Delta R.T.: -0.002 min
Response: 2042216231
Conc: 39.97 ng/ml



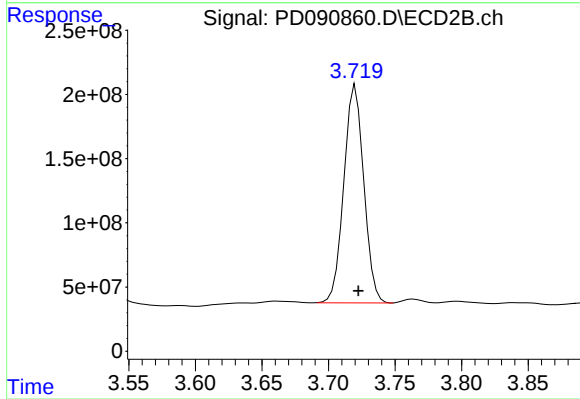
#3 gamma-BHC (Lindane)

R.T.: 4.323 min
Delta R.T.: -0.002 min
Response: 293564253
Conc: 43.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01MSD

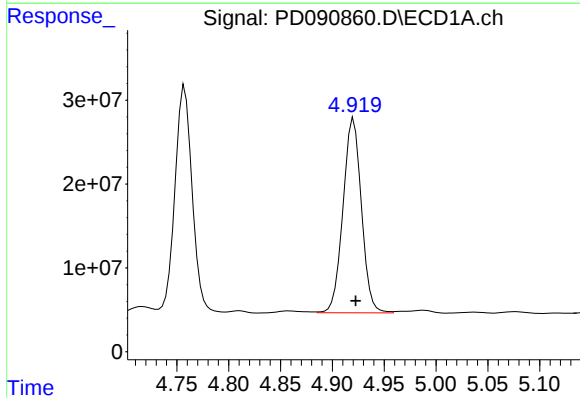
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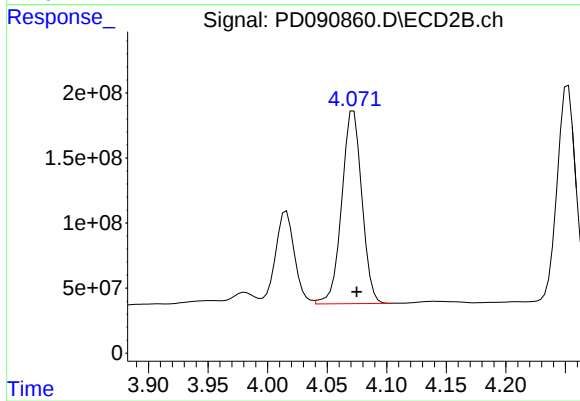
#3 gamma-BHC (Lindane)

R.T.: 3.720 min
Delta R.T.: -0.002 min
Response: 1770558861
Conc: 37.47 ng/ml



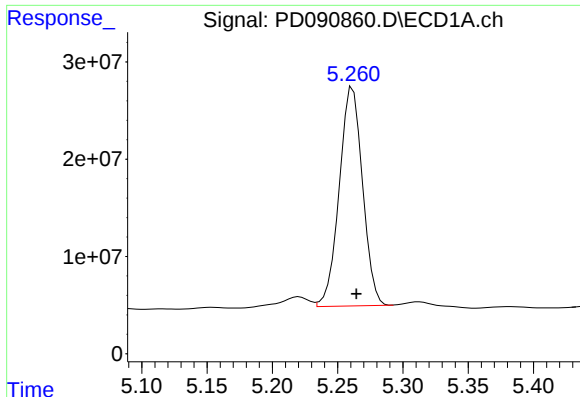
#4 Heptachlor

R.T.: 4.921 min
Delta R.T.: -0.002 min
Response: 287239519
Conc: 51.39 ng/ml



#4 Heptachlor

R.T.: 4.072 min
Delta R.T.: -0.003 min
Response: 1744107656
Conc: 39.10 ng/ml



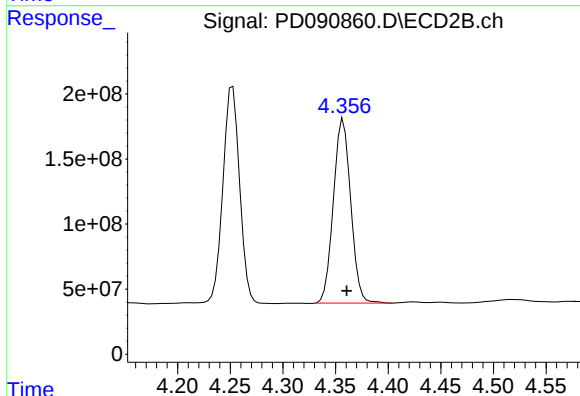
#5 Aldrin

R.T.: 5.262 min
Delta R.T.: -0.003 min
Response: 279204459
Conc: 42.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01MSD

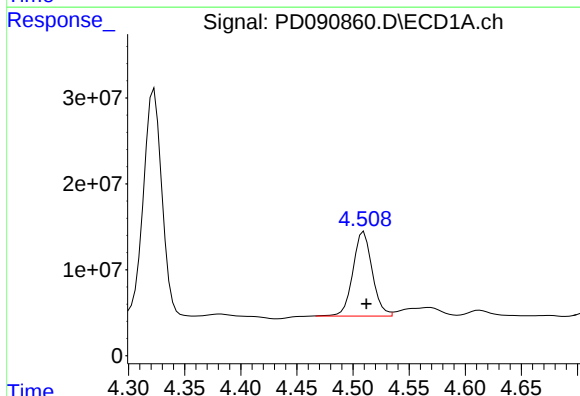
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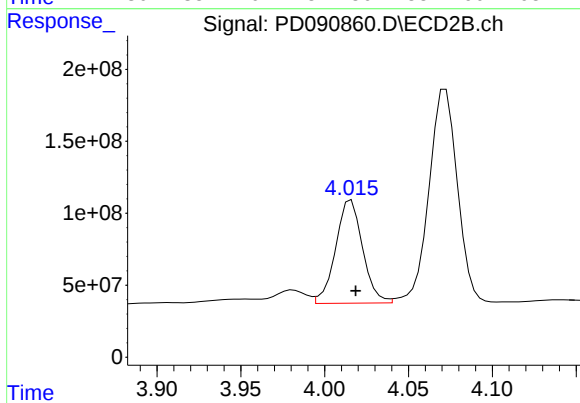
#5 Aldrin

R.T.: 4.357 min
Delta R.T.: -0.003 min
Response: 1621801008
Conc: 35.01 ng/ml



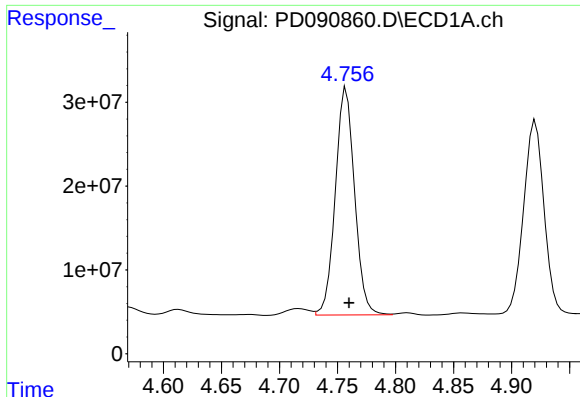
#6 beta-BHC

R.T.: 4.508 min
Delta R.T.: -0.004 min
Response: 117504517
Conc: 44.86 ng/ml m



#6 beta-BHC

R.T.: 4.016 min
Delta R.T.: -0.003 min
Response: 801412287
Conc: 40.42 ng/ml



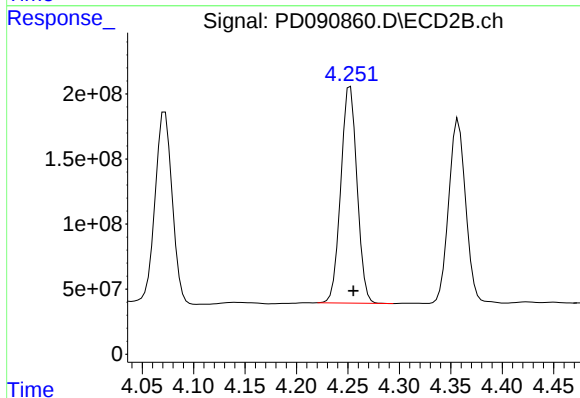
#7 delta-BHC

R.T.: 4.758 min
Delta R.T.: -0.003 min
Response: 313630407
Conc: 46.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01MSD

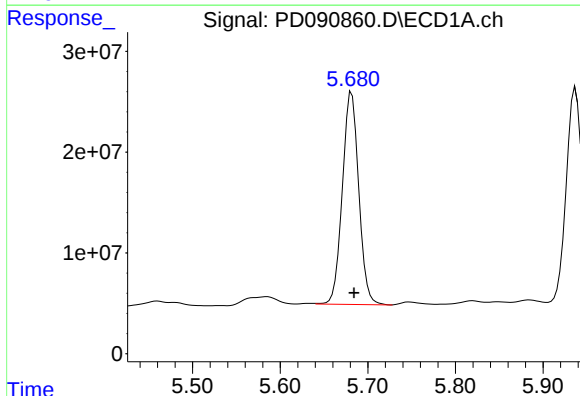
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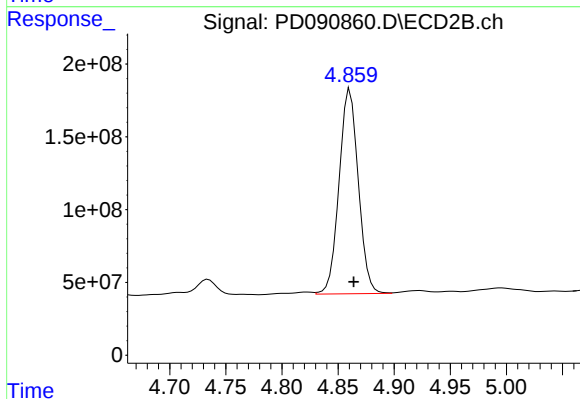
#7 delta-BHC

R.T.: 4.252 min
Delta R.T.: -0.003 min
Response: 1828468921
Conc: 38.32 ng/ml



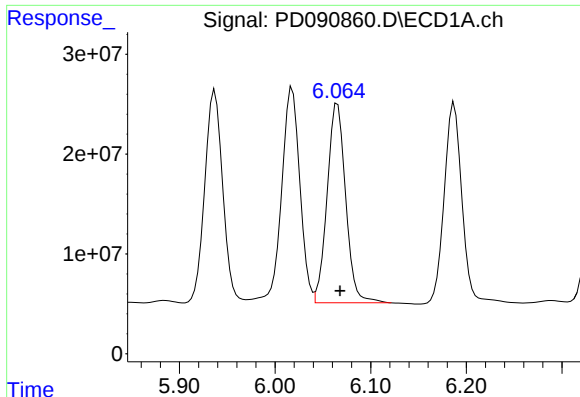
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: -0.003 min
Response: 274113574
Conc: 47.35 ng/ml



#8 Heptachlor epoxide

R.T.: 4.861 min
Delta R.T.: -0.003 min
Response: 1675608560
Conc: 39.30 ng/ml



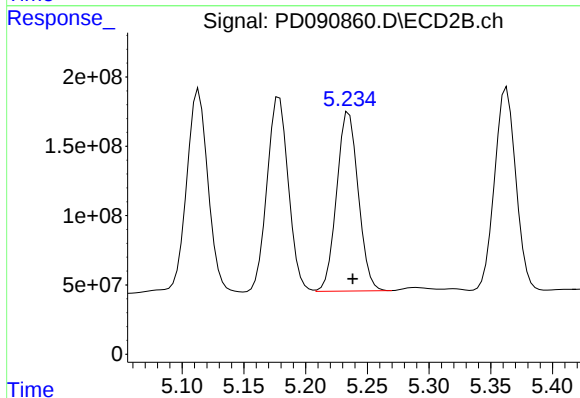
#9 Endosulfan I

R.T.: 6.065 min
Delta R.T.: -0.003 min
Response: 268624872
Conc: 48.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01MSD

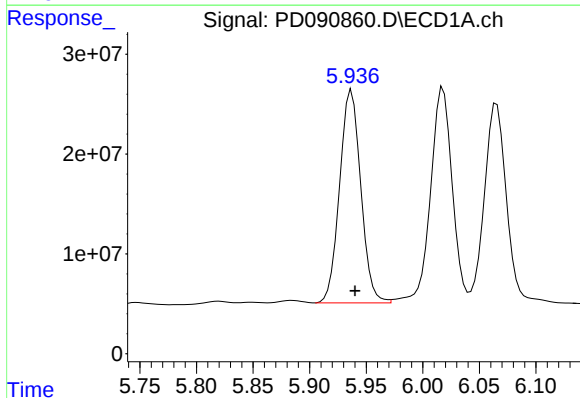
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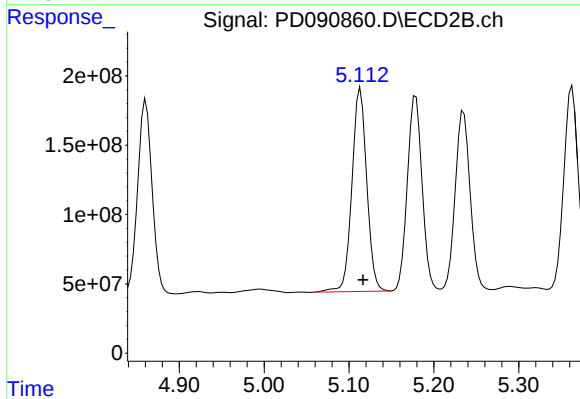
#9 Endosulfan I

R.T.: 5.235 min
Delta R.T.: -0.003 min
Response: 1575007228
Conc: 39.98 ng/ml



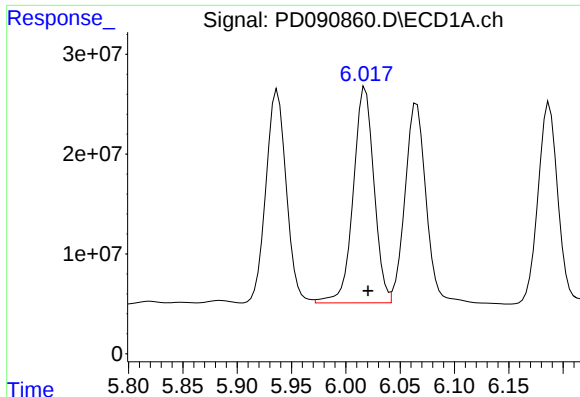
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.003 min
Response: 277704802
Conc: 46.82 ng/ml



#10 gamma-Chlordane

R.T.: 5.113 min
Delta R.T.: -0.003 min
Response: 1780096752
Conc: 39.60 ng/ml



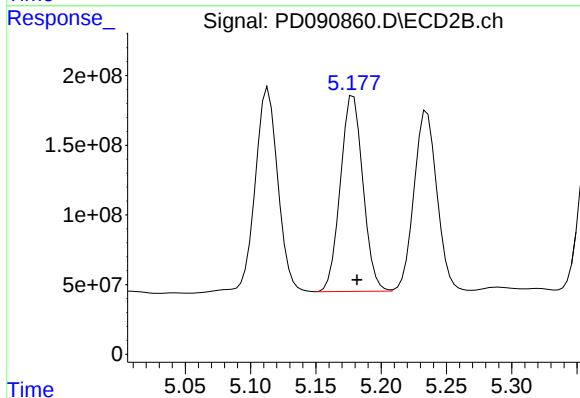
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: -0.002 min
Response: 286978630
Conc: 46.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
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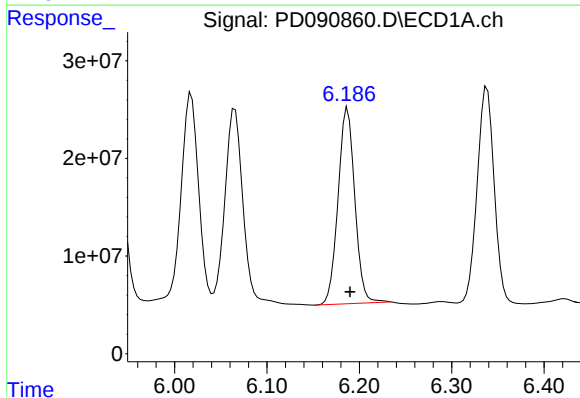
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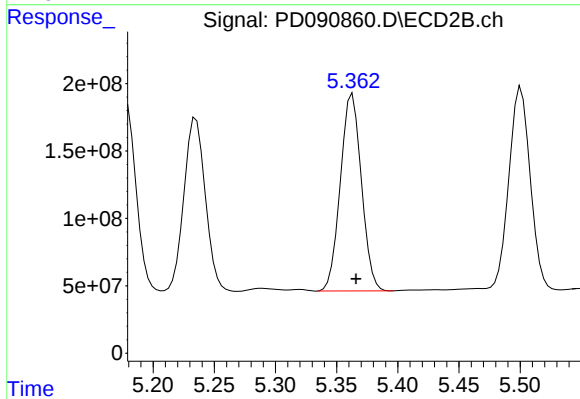
#11 alpha-Chlordane

R.T.: 5.179 min
Delta R.T.: -0.003 min
Response: 1692598628
Conc: 39.24 ng/ml



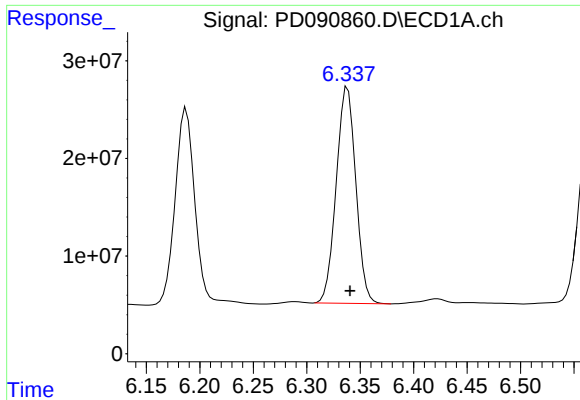
#12 4,4'-DDE

R.T.: 6.187 min
Delta R.T.: -0.003 min
Response: 253001082
Conc: 47.50 ng/ml



#12 4,4'-DDE

R.T.: 5.363 min
Delta R.T.: -0.003 min
Response: 1749101296
Conc: 39.90 ng/ml



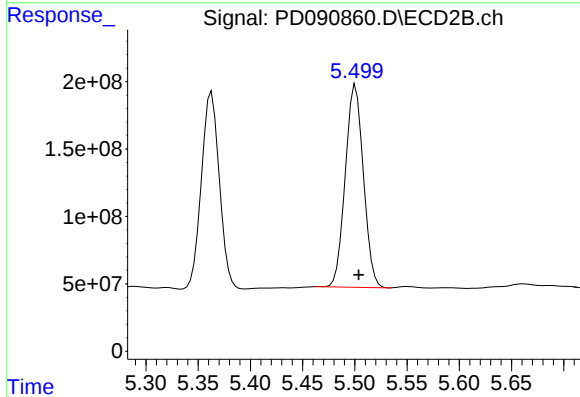
#13 Dieldrin

R.T.: 6.338 min
Delta R.T.: -0.002 min
Response: 282478530
Conc: 48.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01MSD

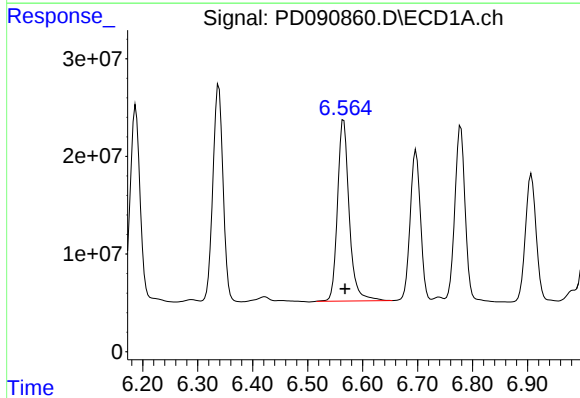
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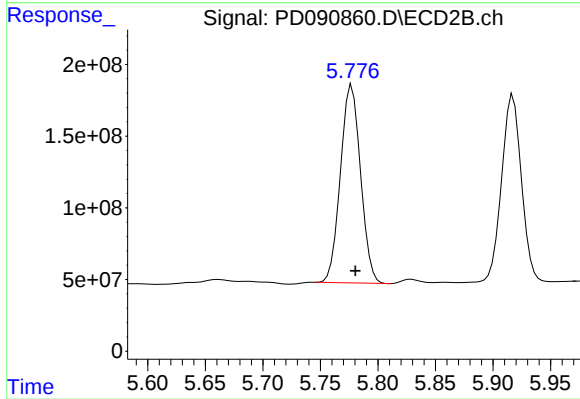
#13 Dieldrin

R.T.: 5.501 min
Delta R.T.: -0.003 min
Response: 1814683717
Conc: 41.07 ng/ml



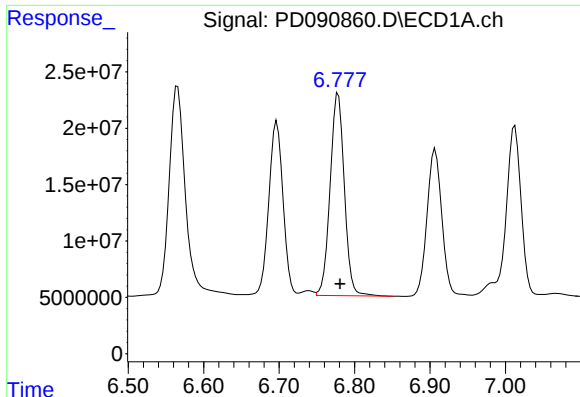
#14 Endrin

R.T.: 6.565 min
Delta R.T.: -0.003 min
Response: 275135086
Conc: 55.54 ng/ml



#14 Endrin

R.T.: 5.777 min
Delta R.T.: -0.003 min
Response: 1686275702
Conc: 41.64 ng/ml



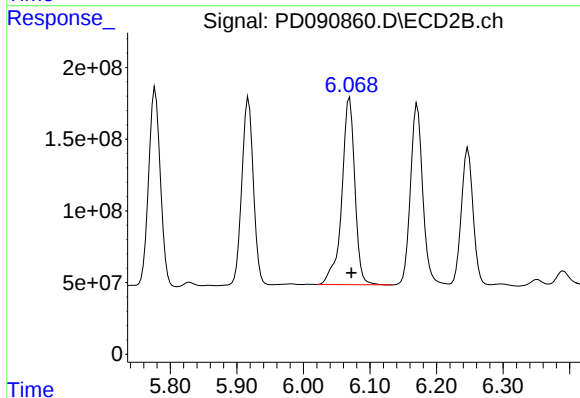
#15 Endosulfan II

R.T.: 6.778 min
Delta R.T.: -0.002 min
Response: 235376864
Conc: 47.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01MSD

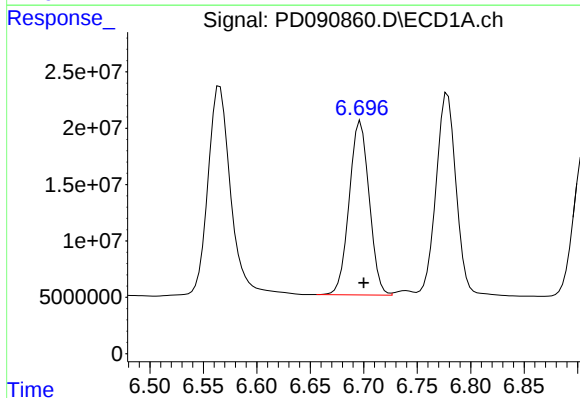
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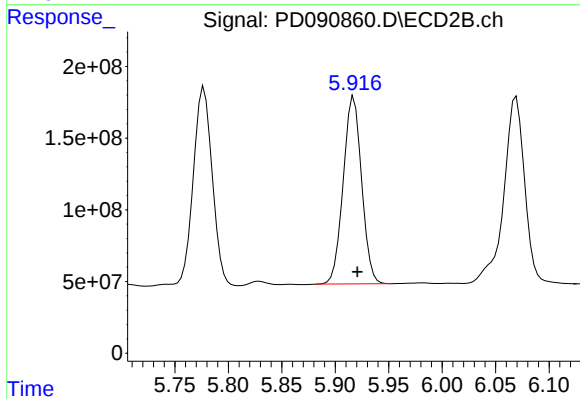
#15 Endosulfan II

R.T.: 6.069 min
Delta R.T.: -0.003 min
Response: 1777107323
Conc: 47.32 ng/ml



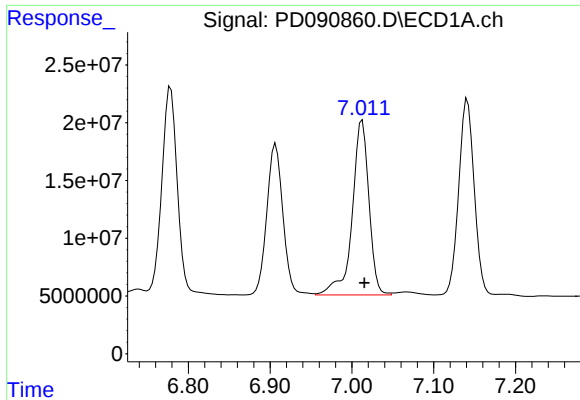
#16 4,4'-DDD

R.T.: 6.697 min
Delta R.T.: -0.003 min
Response: 200834688
Conc: 49.54 ng/ml



#16 4,4'-DDD

R.T.: 5.918 min
Delta R.T.: -0.003 min
Response: 1567125757
Conc: 43.01 ng/ml



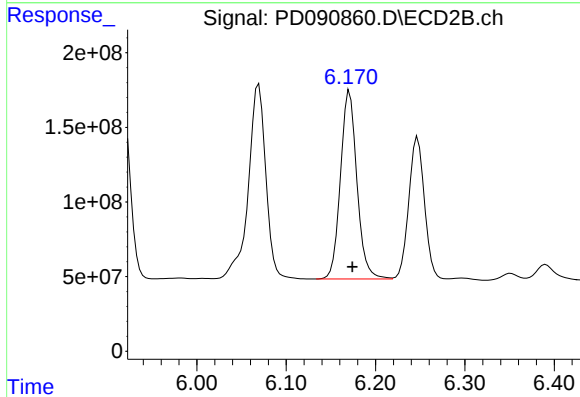
#17 4,4'-DDT

R.T.: 7.013 min
Delta R.T.: -0.003 min
Response: 214968794
Conc: 52.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01MSD

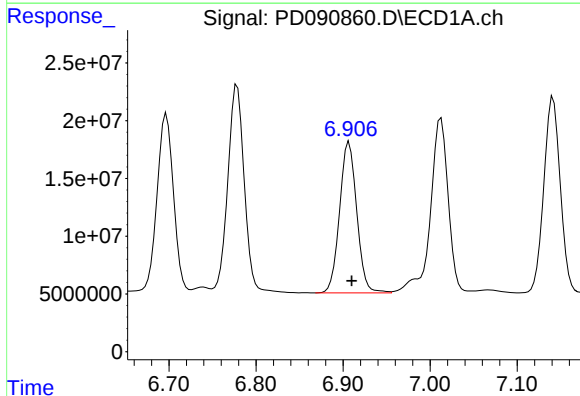
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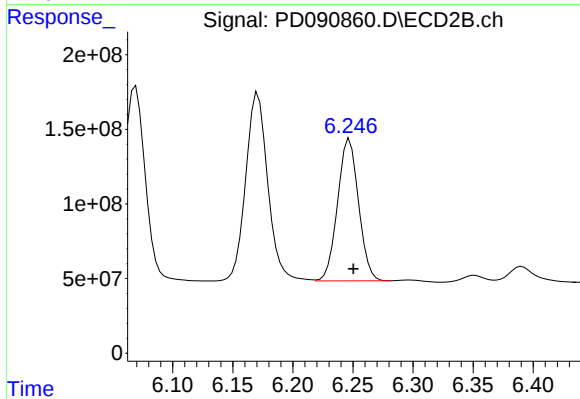
#17 4,4'-DDT

R.T.: 6.171 min
Delta R.T.: -0.003 min
Response: 1614188386
Conc: 46.02 ng/ml



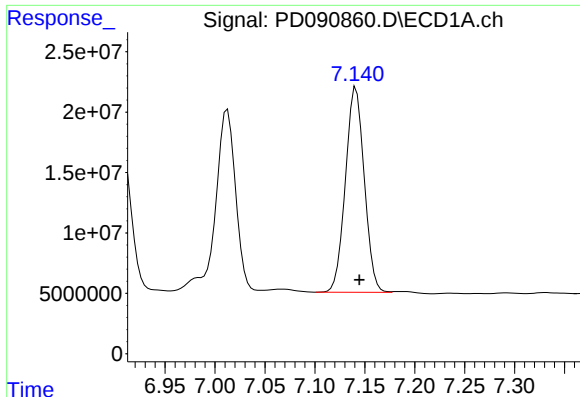
#18 Endrin aldehyde

R.T.: 6.907 min
Delta R.T.: -0.003 min
Response: 179319155
Conc: 48.96 ng/ml



#18 Endrin aldehyde

R.T.: 6.247 min
Delta R.T.: -0.003 min
Response: 1157282351
Conc: 41.79 ng/ml



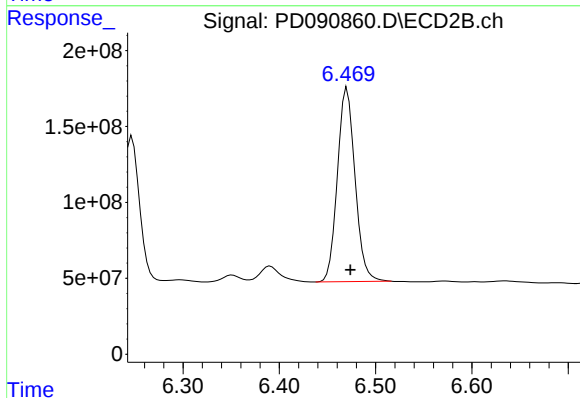
#19 Endosulfan Sulfate

R.T.: 7.141 min
Delta R.T.: -0.004 min
Response: 223045566
Conc: 48.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01MSD

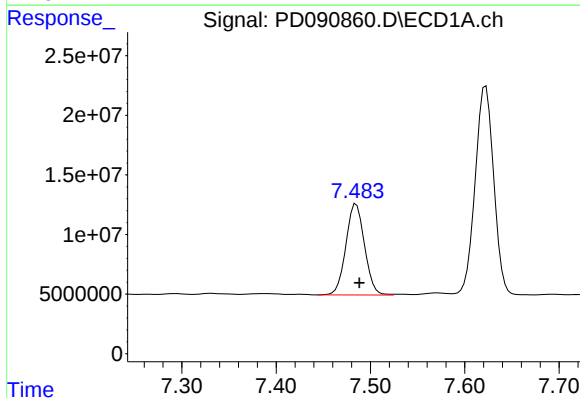
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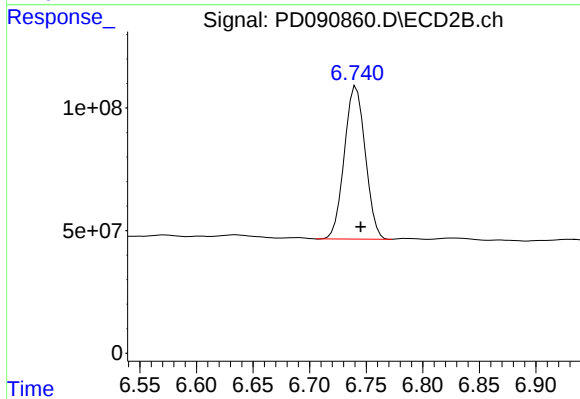
#19 Endosulfan Sulfate

R.T.: 6.470 min
Delta R.T.: -0.003 min
Response: 1621197439
Conc: 45.23 ng/ml



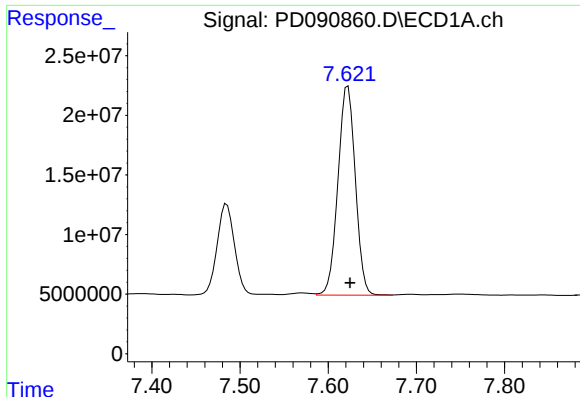
#20 Methoxychlor

R.T.: 7.485 min
Delta R.T.: -0.003 min
Response: 104965891
Conc: 49.38 ng/ml



#20 Methoxychlor

R.T.: 6.741 min
Delta R.T.: -0.004 min
Response: 803891868
Conc: 46.13 ng/ml



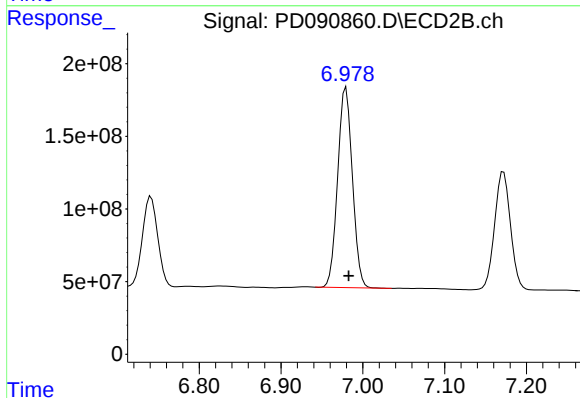
#21 Endrin ketone

R.T.: 7.622 min
Delta R.T.: -0.002 min
Response: 240503757
Conc: 49.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01MSD

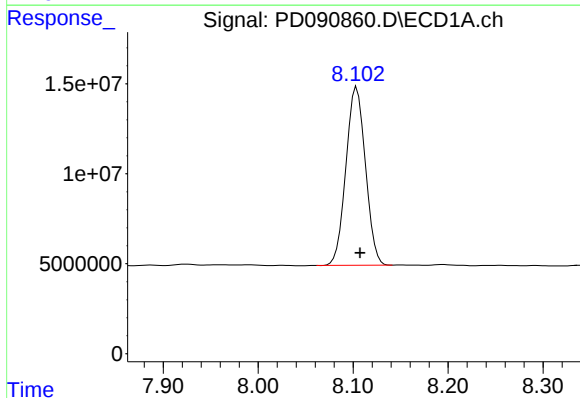
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



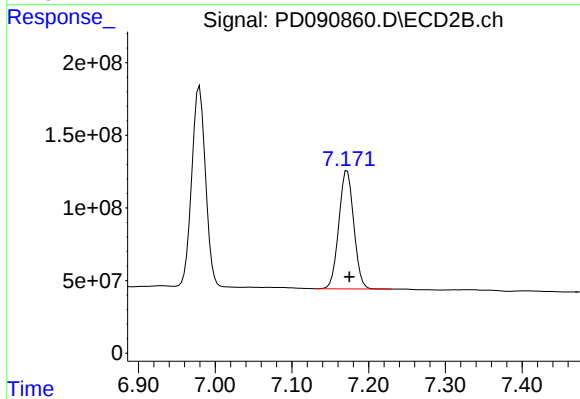
#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: -0.003 min
Response: 1719949904
Conc: 45.60 ng/ml



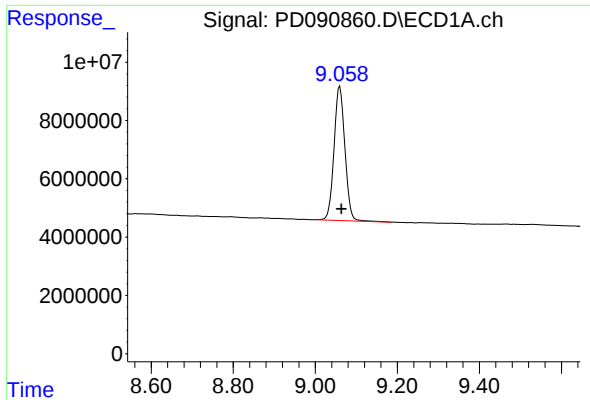
#22 Mirex

R.T.: 8.104 min
Delta R.T.: -0.004 min
Response: 141490954
Conc: 44.20 ng/ml



#22 Mirex

R.T.: 7.172 min
Delta R.T.: -0.003 min
Response: 1102574033
Conc: 42.92 ng/ml



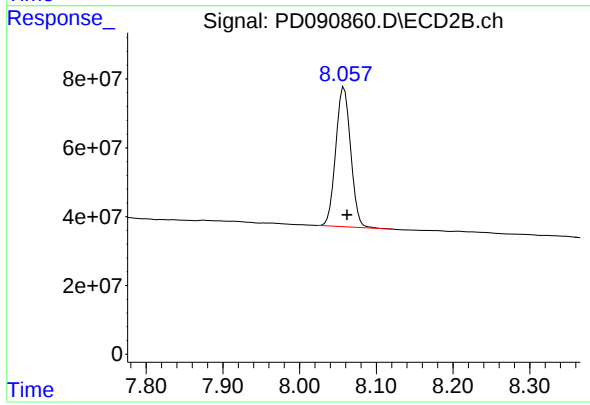
#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: -0.004 min
Response: 84819155
Conc: 18.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: -0.004 min
Response: 548594894
Conc: 18.11 ng/ml