

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101725\
 Data File : PD090683.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Oct 2025 23:56
 Operator : AR\AJ
 Sample : Q3363-04MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PR132-SO3-010013-20251015MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/21/2025
 Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 21 02:33:45 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	2.875	42156550	412.0E6	13.537m	13.837
28)	SA Decachlor...	9.066	8.062	61743198	295.4E6	13.199	9.752 #
Target Compounds							
2)	A alpha-BHC	3.994	3.386	335.6E6	2058.1E6	46.753	40.280
3)	MA gamma-BHC...	4.324	3.723	311.6E6	1880.3E6	45.824	39.796
4)	MA Heptachlor	4.923	4.075	248.8E6	1843.7E6	44.514	41.336
5)	MB Aldrin	5.264	4.360	302.3E6	1844.3E6	46.170	39.818
6)	B beta-BHC	4.512	4.017	104.9E6	769.2E6	40.040	38.789m
7)	B delta-BHC	4.760	4.255	314.6E6	1910.5E6	46.519	40.038
8)	B Heptachlo...	5.684	4.862	260.3E6	1693.4E6	44.965	39.715m
9)	A Endosulfan I	6.068	5.239	246.6E6	1390.4E6	44.541	35.298
10)	B gamma-Chl...	5.940	5.116	260.4E6	1841.2E6	43.898	40.962
11)	B alpha-Chl...	6.021	5.181	264.4E6	1706.9E6	42.783	39.569
12)	B 4,4'-DDE	6.190	5.366	219.8E6	1598.4E6	41.264	36.461
13)	MA Dieldrin	6.341	5.503	256.1E6	1773.8E6	43.915	40.146
14)	MA Endrin	6.568	5.780	223.3E6	1564.9E6	45.070	38.645
15)	B Endosulfa...	6.781	6.071	217.0E6	1418.4E6	43.394	37.768m
16)	A 4,4'-DDD	6.700	5.921	178.3E6	1264.3E6	43.978	34.698
17)	MA 4,4'-DDT	7.016	6.174	179.9E6	1321.9E6	43.757	37.689
18)	B Endrin al...	6.910	6.250	159.7E6	1030.0E6	43.608	37.194
19)	B Endosulfa...	7.145	6.474	197.4E6	1307.8E6	42.549	36.484
20)	A Methoxychlor	7.488	6.745	91330010	654.2E6	42.967	37.536
21)	B Endrin ke...	7.625	6.982	213.9E6	1270.2E6	44.019	33.676
22)	Mirex	8.106	7.175	130.4E6	853.2E6	40.740m	33.211

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

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Data File : PD090683.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Oct 2025 23:56
Operator : AR\AJ
Sample : Q3363-04MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

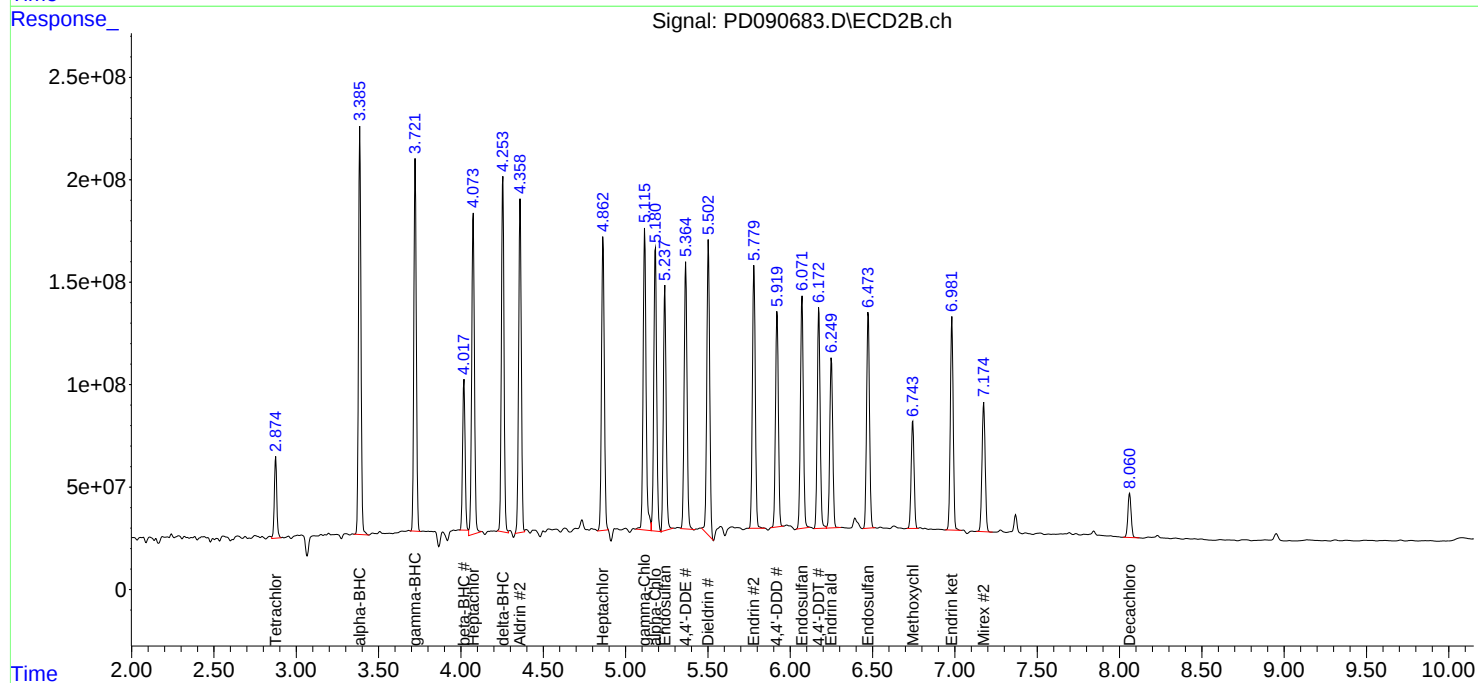
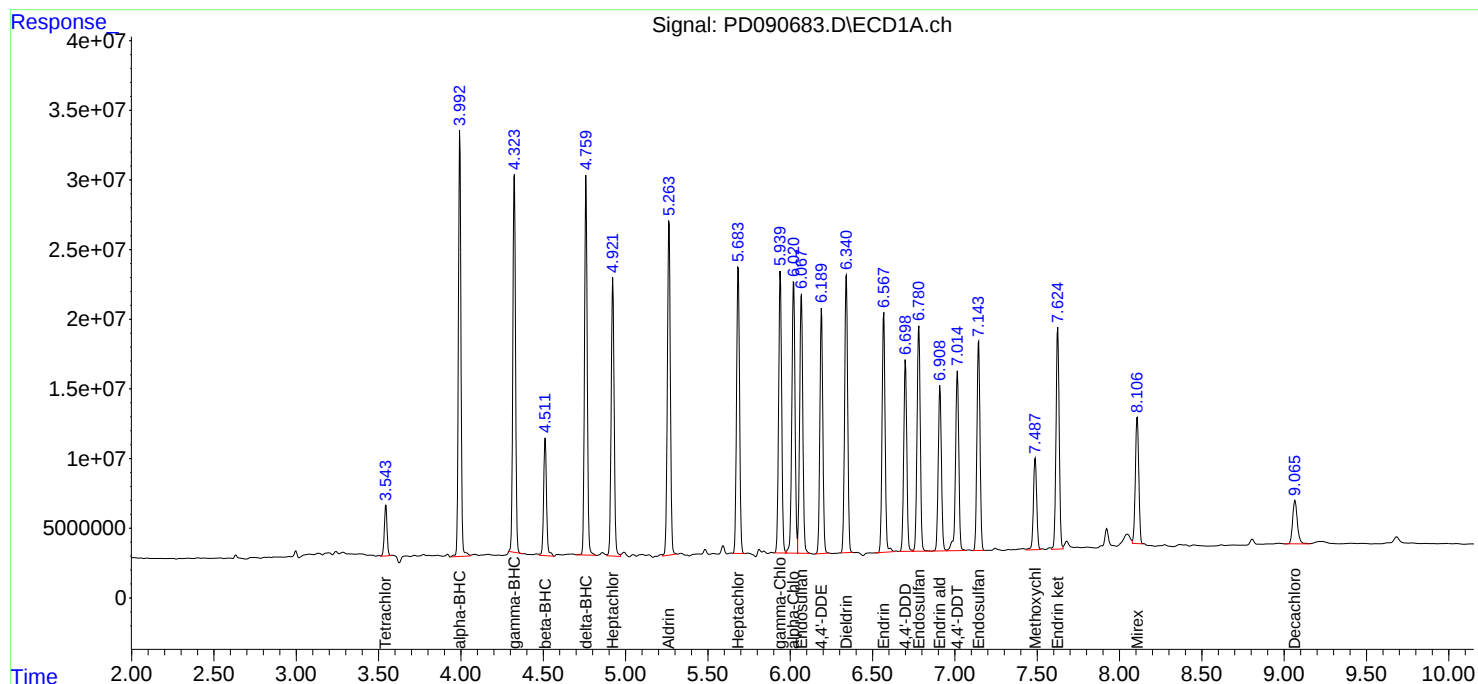
Instrument :
ECD_D
ClientSampleId :
PR132-SO3-010013-20251015MSD

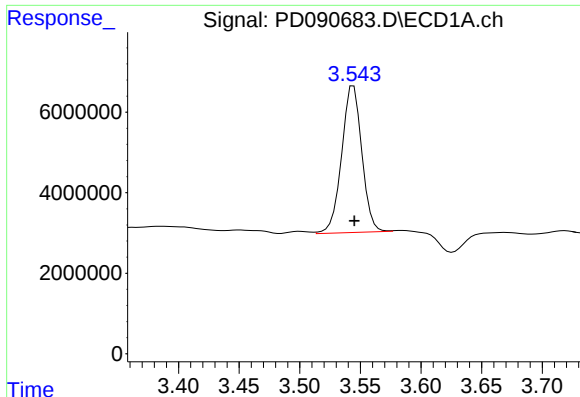
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 02:33:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
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Volume Inj. : 1 µl
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Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





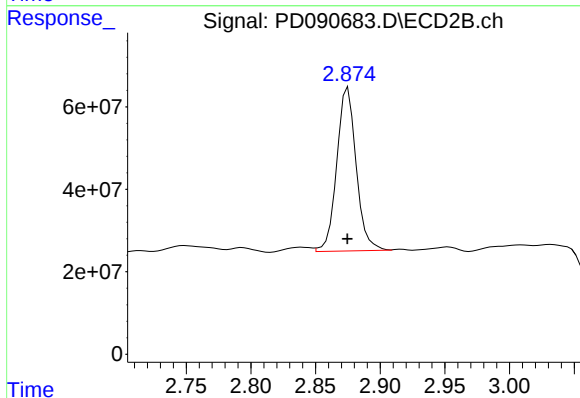
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 42156550
Conc: 13.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-SO3-010013-20251015MSD

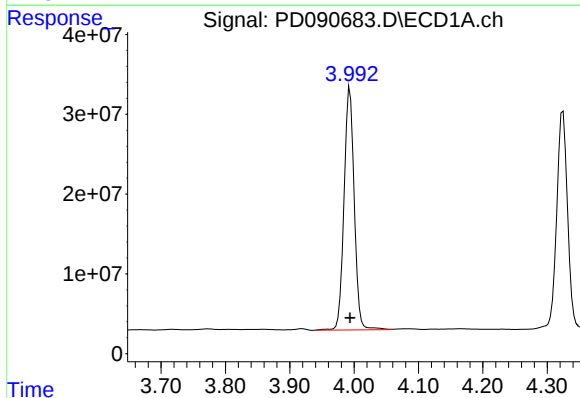
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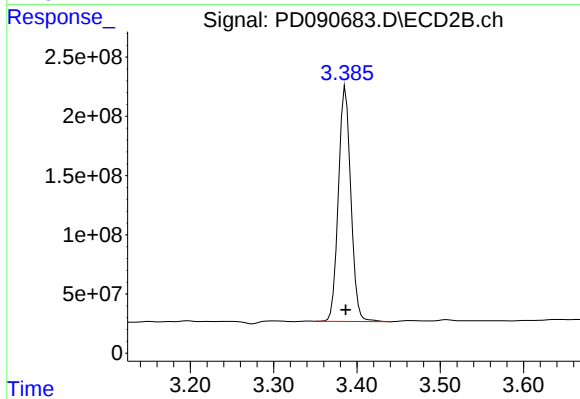
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 412014015
Conc: 13.84 ng/ml



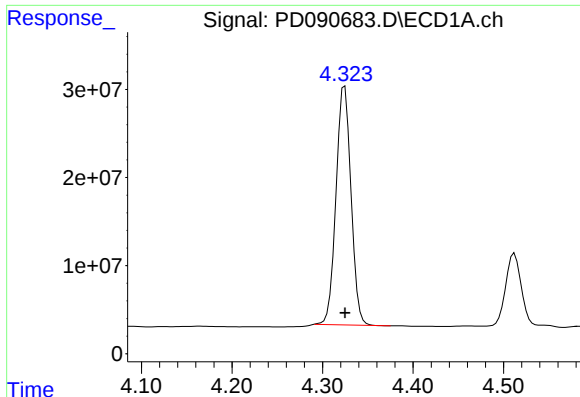
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 335554713
Conc: 46.75 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2058147056
Conc: 40.28 ng/ml



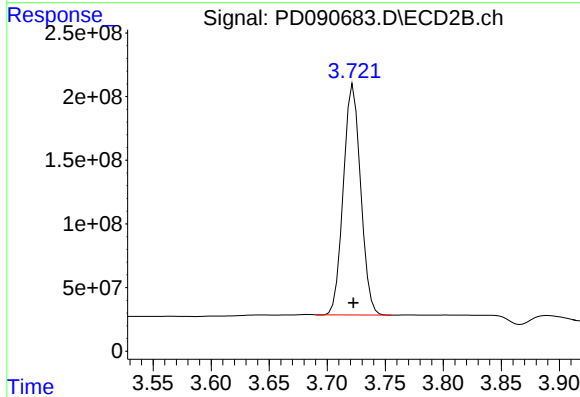
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 311550671
Conc: 45.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-SO3-010013-20251015MSD

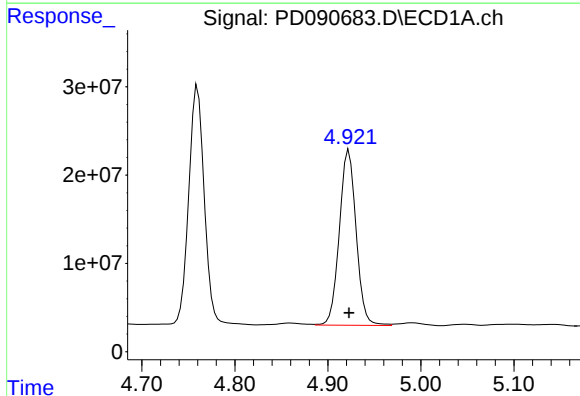
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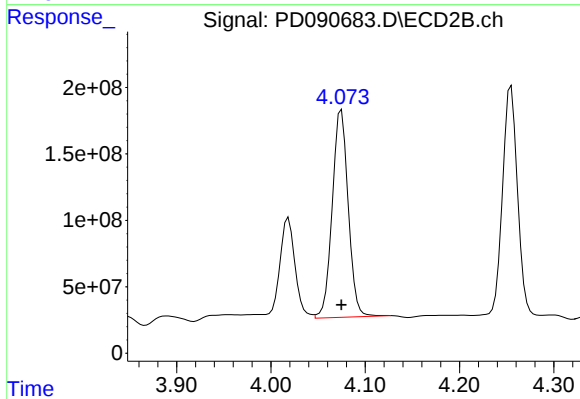
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 1880311983
Conc: 39.80 ng/ml



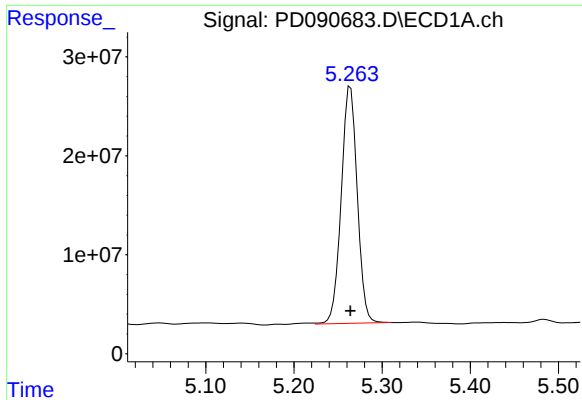
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 248812749
Conc: 44.51 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 1843699703
Conc: 41.34 ng/ml



#5 Aldrin

R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 302286392
Conc: 46.17 ng/ml

Instrument :

ECD_D

ClientSampleId :

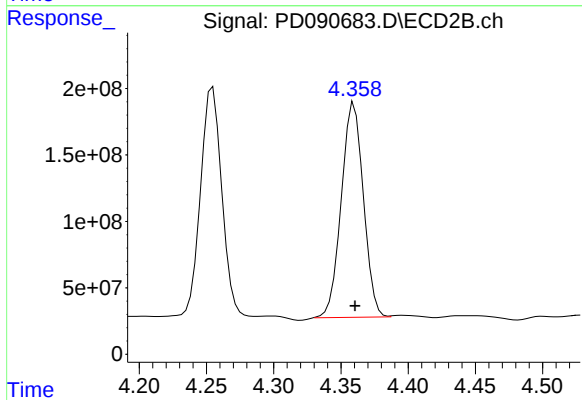
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Manual Integrations

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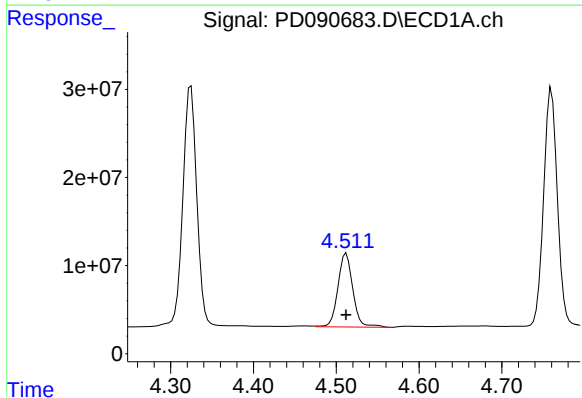
Reviewed By :Abdul Mirza 10/21/2025

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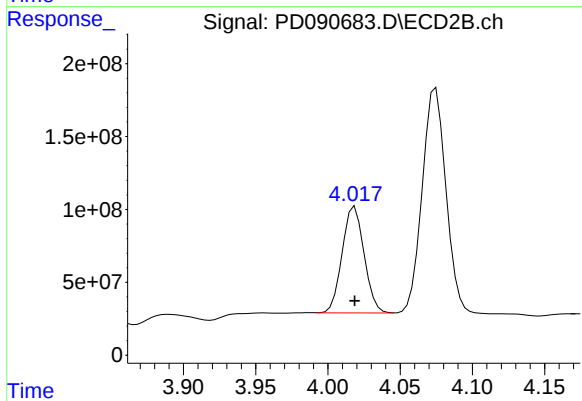
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 1844333628
Conc: 39.82 ng/ml



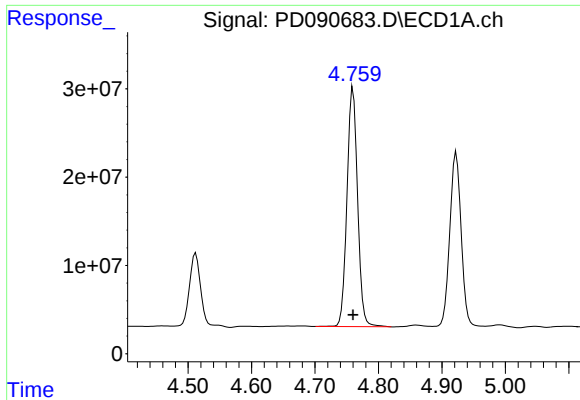
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 104889029
Conc: 40.04 ng/ml



#6 beta-BHC

R.T.: 4.017 min
Delta R.T.: -0.001 min
Response: 769176059
Conc: 38.79 ng/ml m



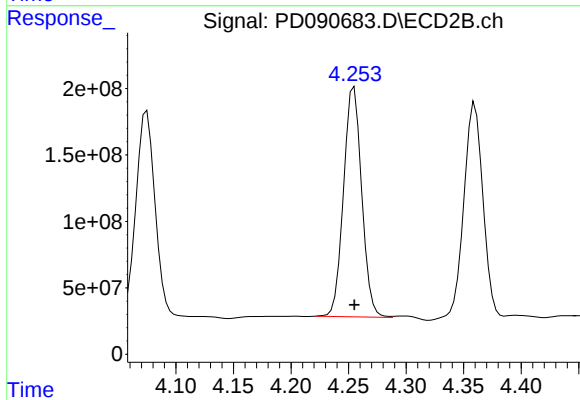
#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 314551580
Conc: 46.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-SO3-010013-20251015MSD

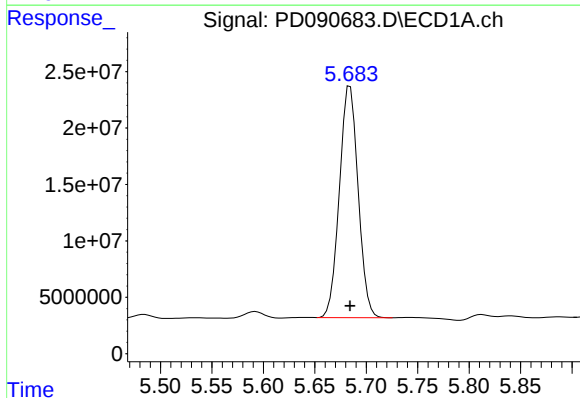
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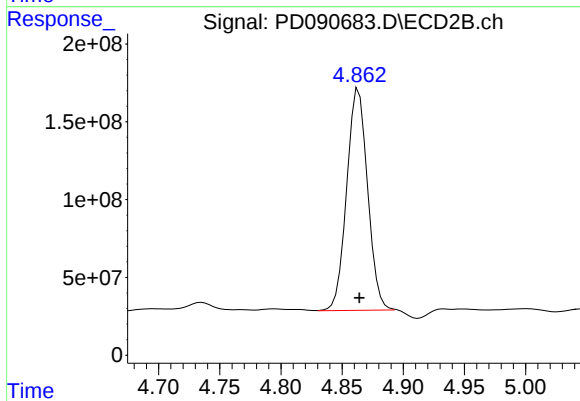
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 1910501544
Conc: 40.04 ng/ml



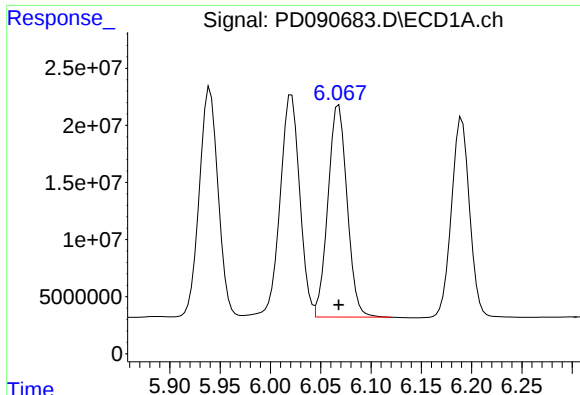
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 260306809
Conc: 44.97 ng/ml



#8 Heptachlor epoxide

R.T.: 4.862 min
Delta R.T.: -0.002 min
Response: 1693402159
Conc: 39.71 ng/ml m



#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 246606994
Conc: 44.54 ng/ml

Instrument :

ECD_D

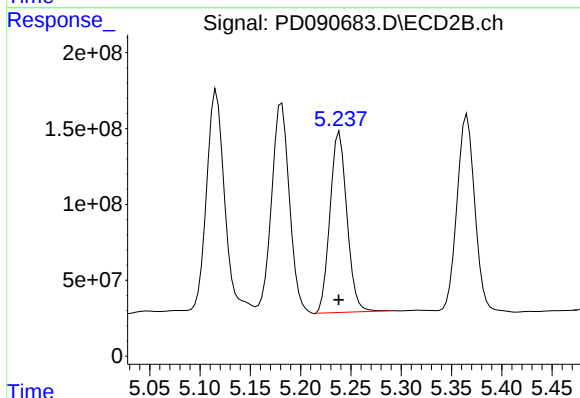
ClientSampleId :

PR132-SO3-010013-20251015MSD

Manual Integrations

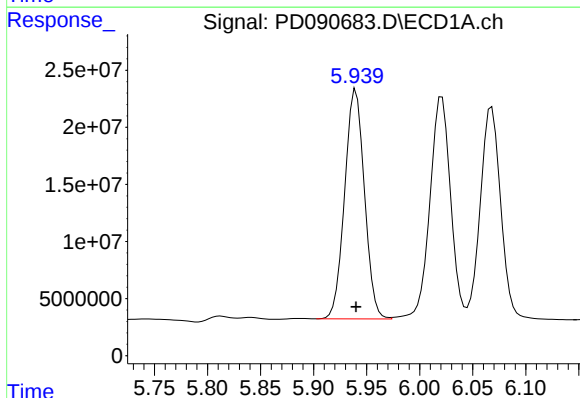
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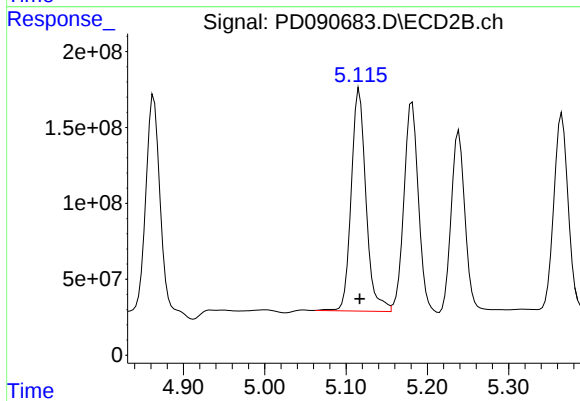
#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 1390399325
Conc: 35.30 ng/ml



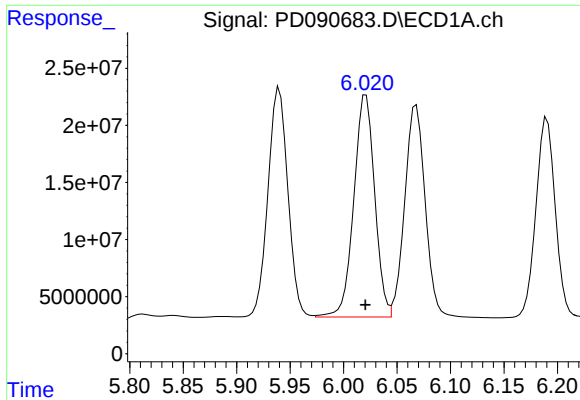
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 260364990
Conc: 43.90 ng/ml



#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 1841198200
Conc: 40.96 ng/ml



#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 264407286
Conc: 42.78 ng/ml

Instrument :

ECD_D

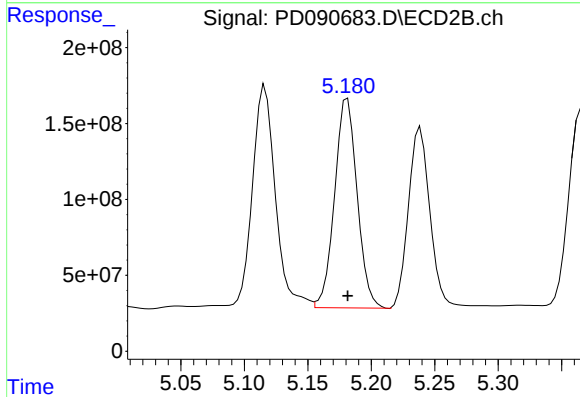
ClientSampleId :

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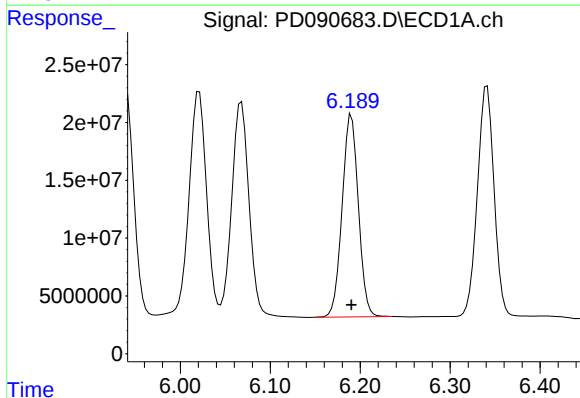
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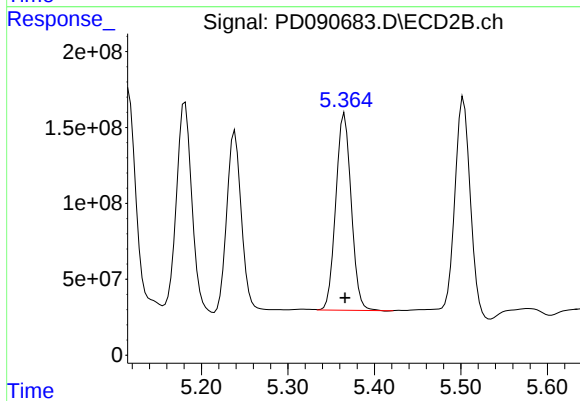
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 1706927189
Conc: 39.57 ng/ml



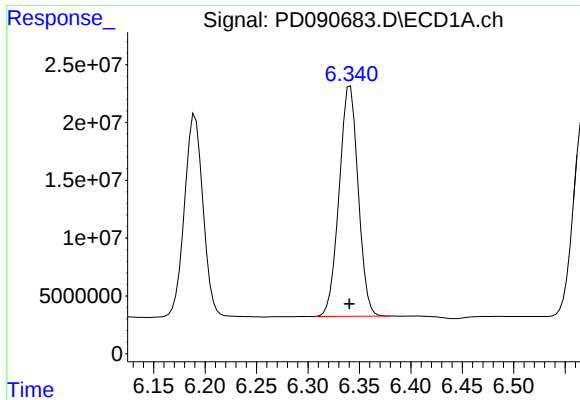
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 219799396
Conc: 41.26 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 1598387778
Conc: 36.46 ng/ml



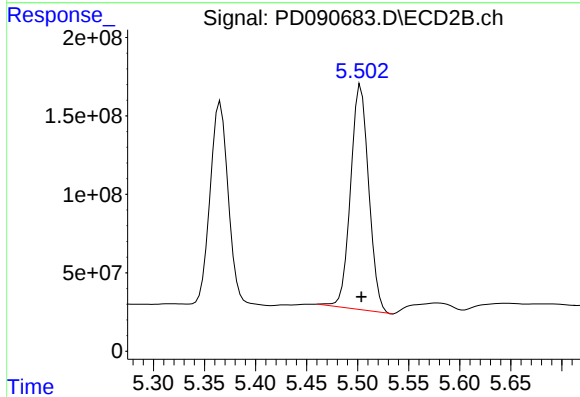
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 256083353
Conc: 43.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-SO3-010013-20251015MSD

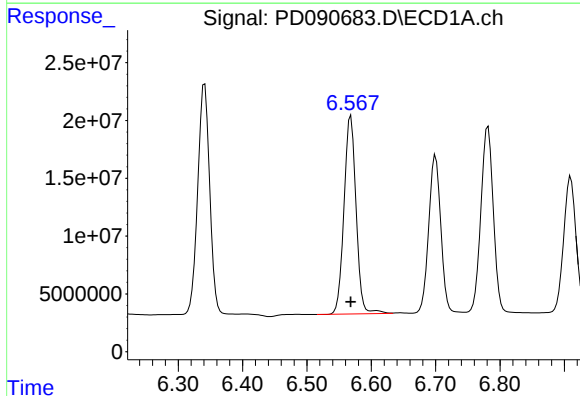
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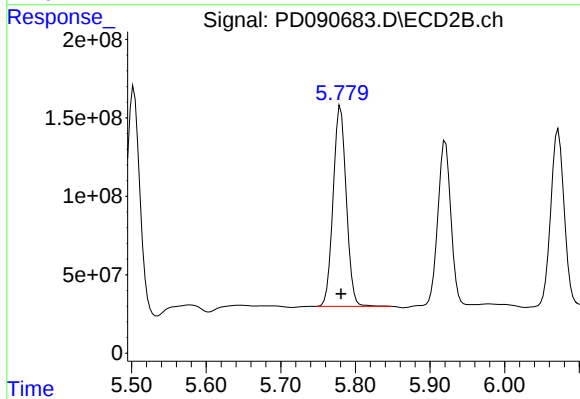
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: 0.000 min
Response: 1773794283
Conc: 40.15 ng/ml



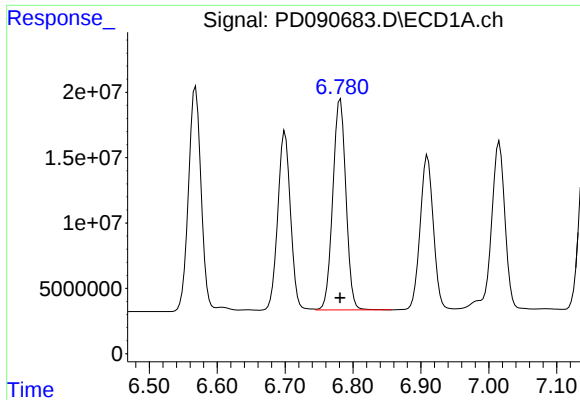
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 223261788
Conc: 45.07 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 1564894393
Conc: 38.65 ng/ml



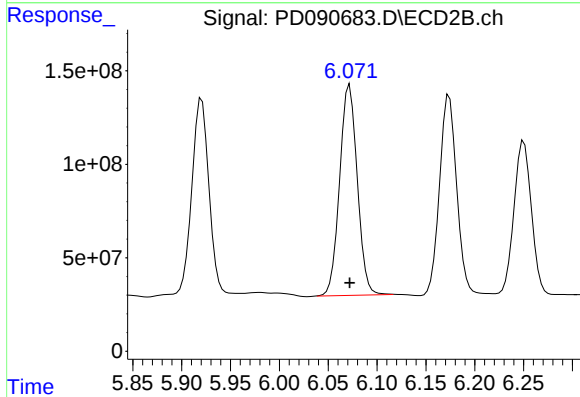
#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 216969415
Conc: 43.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-SO3-010013-20251015MSD

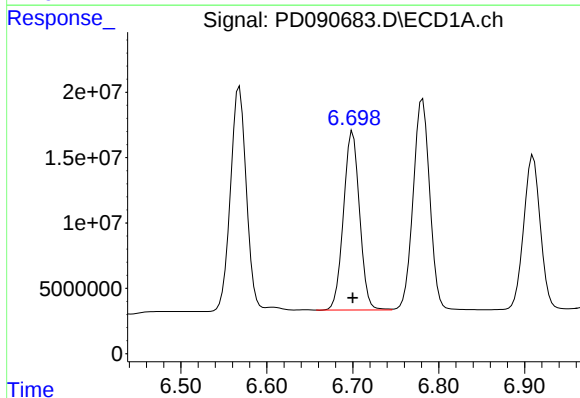
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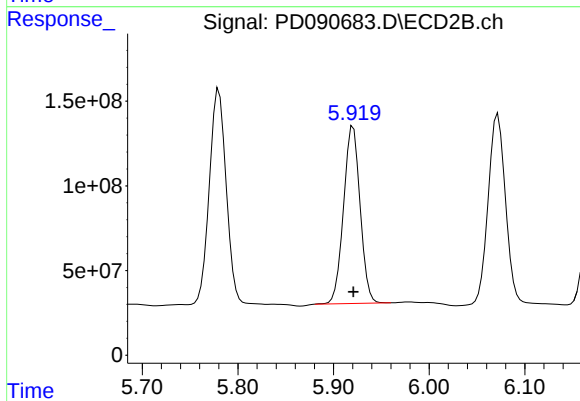
#15 Endosulfan II

R.T.: 6.071 min
Delta R.T.: -0.002 min
Response: 1418381315
Conc: 37.77 ng/ml m



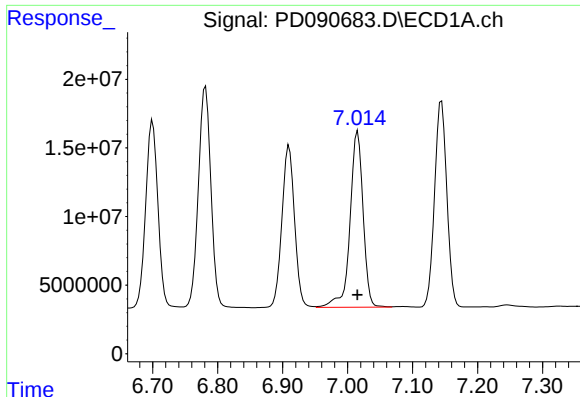
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 178294481
Conc: 43.98 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: 0.000 min
Response: 1264325312
Conc: 34.70 ng/ml



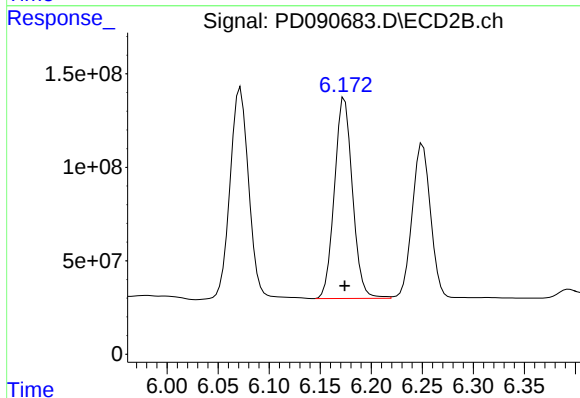
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 179862617
Conc: 43.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-SO3-010013-20251015MSD

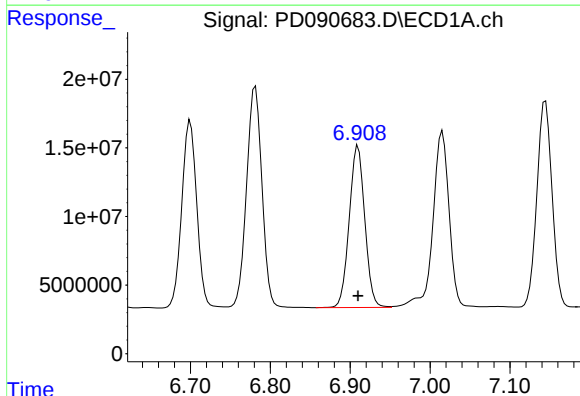
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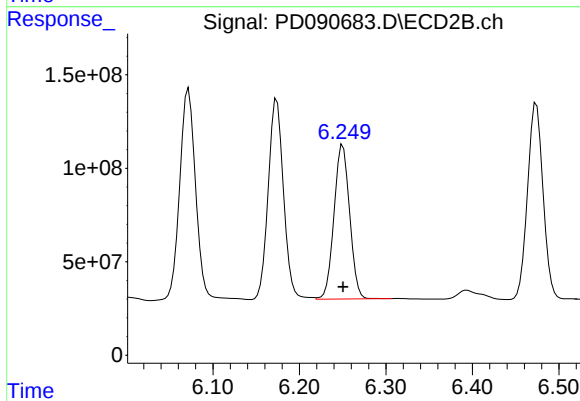
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 1321886221
Conc: 37.69 ng/ml



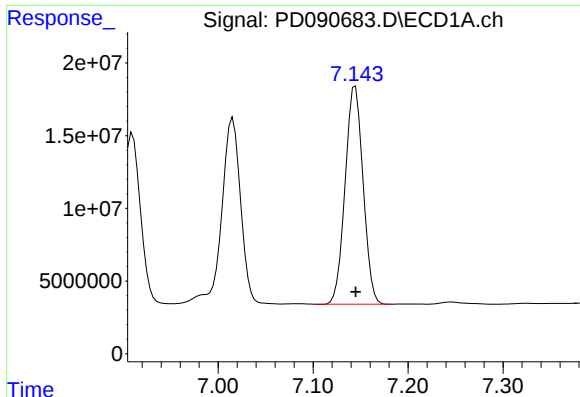
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 159721564
Conc: 43.61 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1030004149
Conc: 37.19 ng/ml



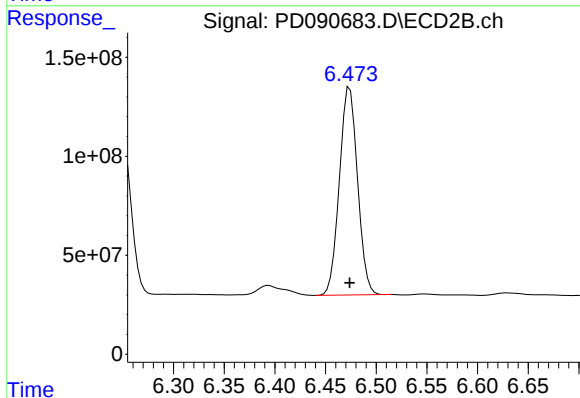
#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 197351892
Conc: 42.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
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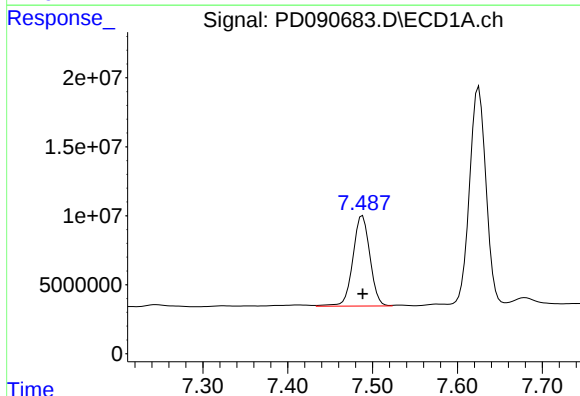
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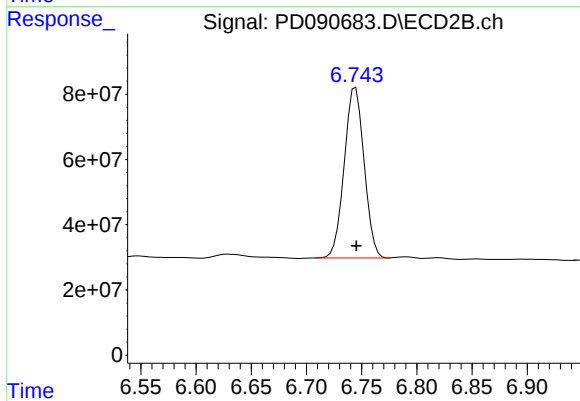
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 1307772787
Conc: 36.48 ng/ml



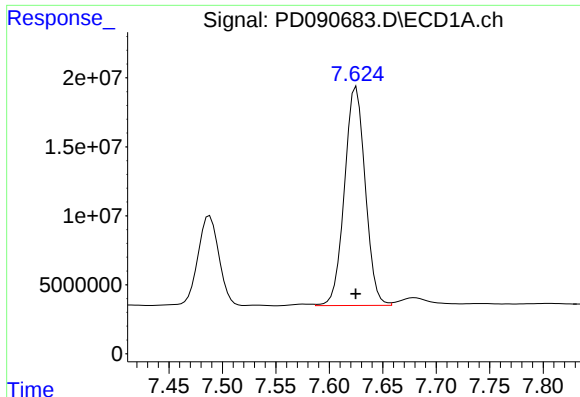
#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 91330010
Conc: 42.97 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 654178585
Conc: 37.54 ng/ml



#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 213879941
Conc: 44.02 ng/ml

Instrument :

ECD_D

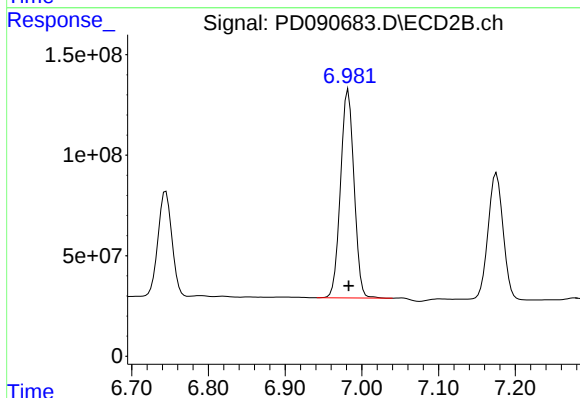
ClientSampleId :

PR132-SO3-010013-20251015MSD

Manual Integrations

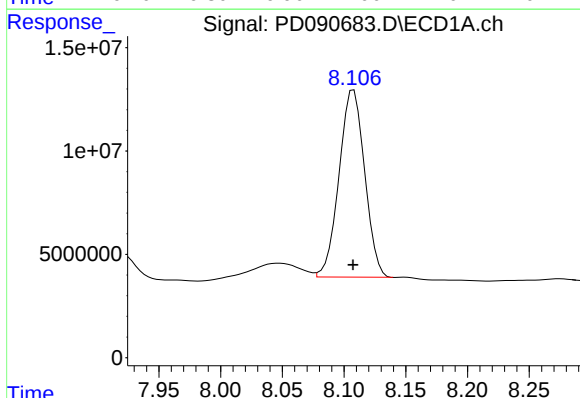
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



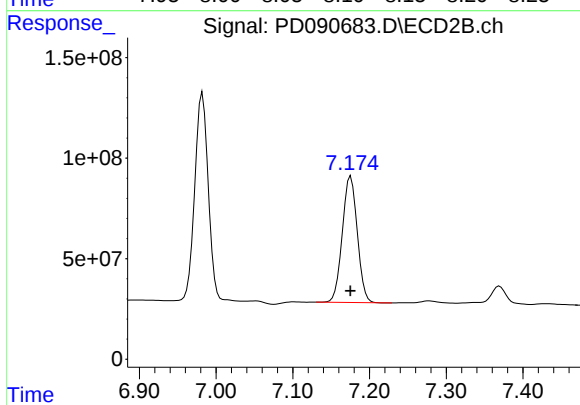
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: 0.000 min
Response: 1270168384
Conc: 33.68 ng/ml



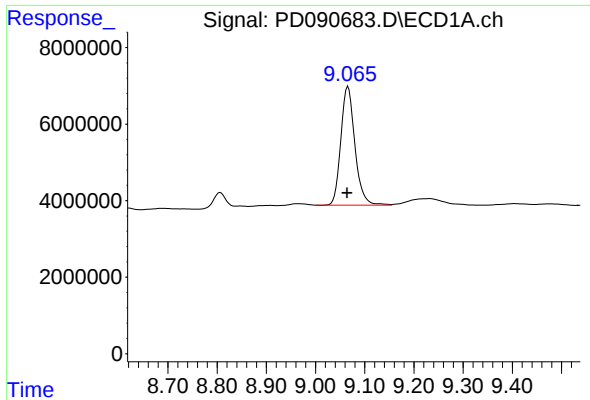
#22 Mirex

R.T.: 8.106 min
Delta R.T.: 0.000 min
Response: 130402880
Conc: 40.74 ng/ml m



#22 Mirex

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 853222972
Conc: 33.21 ng/ml



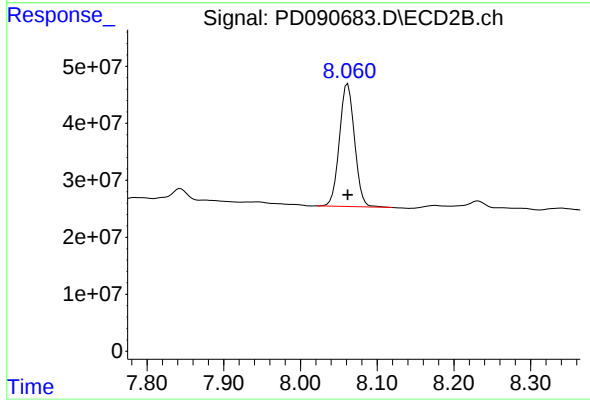
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 61743198
Conc: 13.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-SO3-010013-20251015MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/21/2025
Supervised By :mohammad ahmed 10/24/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 295409697
Conc: 9.75 ng/ml