

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
 Data File : PD089413.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Jul 2025 17:24
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/10/2025
 Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 10 01:45:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 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...	3.554	2.880	131.0E6	828.1E6	45.902	48.848
28)	SA Decachlor...	9.076	8.073	198.6E6	1036.1E6	50.566	52.407
Target Compounds							
2)	A alpha-BHC	4.003	3.393	276.1E6	1315.5E6	47.372	49.090
3)	MA gamma-BHC...	4.334	3.728	262.2E6	1206.0E6	46.978	48.712m
4)	MA Heptachlor	4.933	4.082	256.9E6	1198.7E6	47.127	47.873
5)	MB Aldrin	5.275	4.368	247.4E6	1179.1E6	46.572	48.688
6)	B beta-BHC	4.519	4.025	102.0E6	516.1E6	46.222	48.024
7)	B delta-BHC	4.768	4.262	251.9E6	1215.6E6	49.072	48.872
8)	B Heptachlo...	5.694	4.871	217.1E6	1055.2E6	45.015	48.187m
9)	A Endosulfan I	6.078	5.246	205.6E6	1006.9E6	45.613	48.308
10)	B gamma-Chl...	5.949	5.125	219.2E6	1155.0E6	45.785	48.279
11)	B alpha-Chl...	6.030	5.190	221.0E6	1100.5E6	45.678	48.062
12)	B 4,4'-DDE	6.199	5.375	197.5E6	1096.9E6	45.280	47.865
13)	MA Dieldrin	6.351	5.511	220.4E6	1106.2E6	45.939	47.663m
14)	MA Endrin	6.578	5.789	185.1E6	1014.9E6	44.875	46.737
15)	B Endosulfa...	6.790	6.080	184.0E6	948.9E6	45.586	46.984
16)	A 4,4'-DDD	6.708	5.929	157.4E6	909.5E6	45.876	47.544
17)	MA 4,4'-DDT	7.024	6.183	166.5E6	944.4E6	43.955	46.572
18)	B Endrin al...	6.918	6.258	133.3E6	704.4E6	43.497	46.008
19)	B Endosulfa...	7.152	6.482	169.6E6	921.6E6	44.203	46.971
20)	A Methoxychlor	7.496	6.754	85253091	481.6E6	42.191	44.727
21)	B Endrin ke...	7.634	6.992	183.5E6	1004.0E6	45.045	46.479
22)	Mirex	8.117	7.185	130.3E6	761.8E6	42.864	45.677

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

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Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 17:24
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Sample : PSTDCCC050
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ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

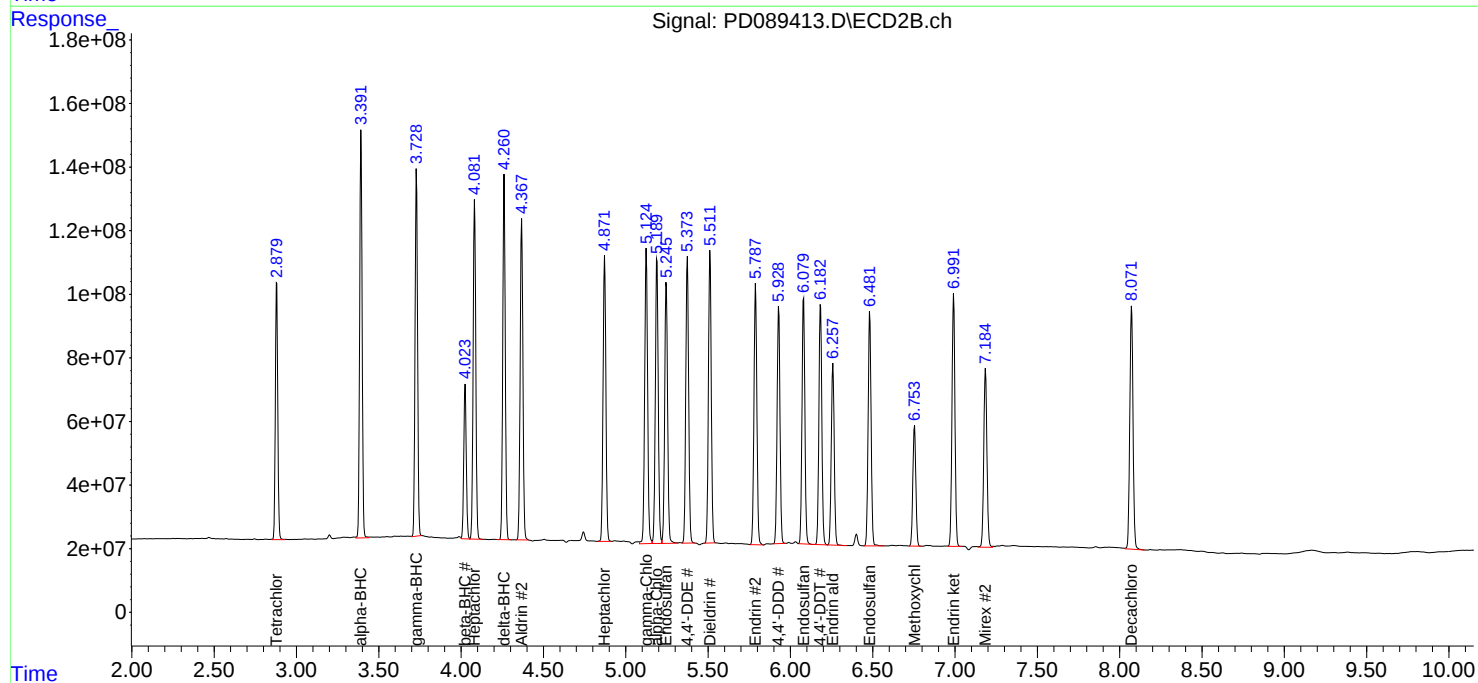
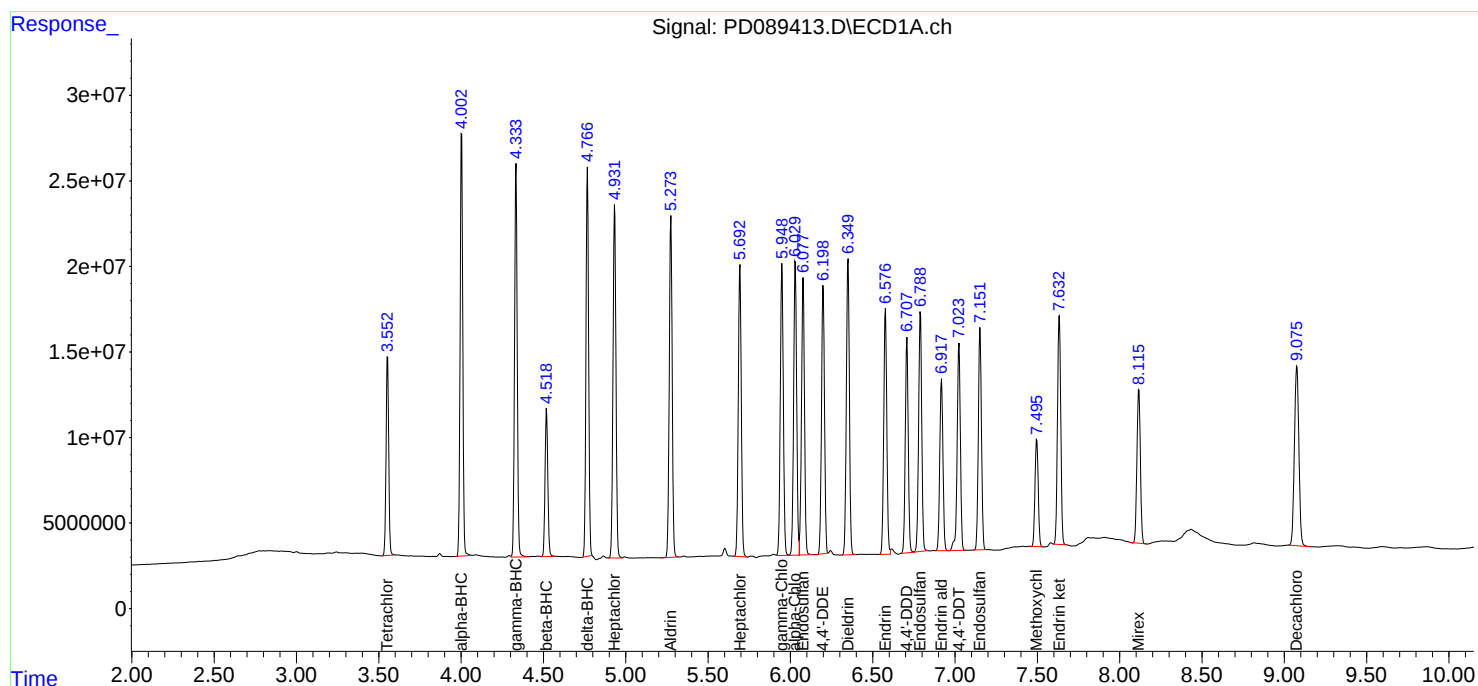
APPROVED

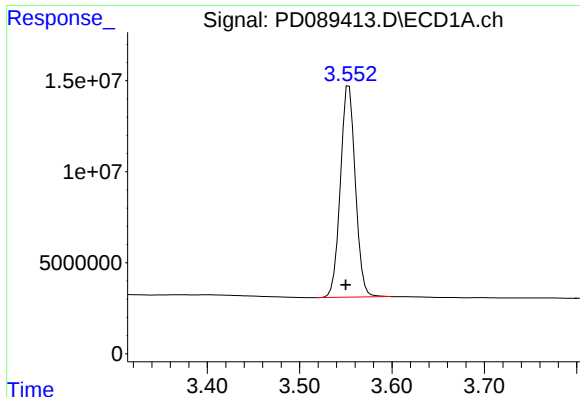
Reviewed By :Abdul Mirza 07/10/2025

Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:45:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
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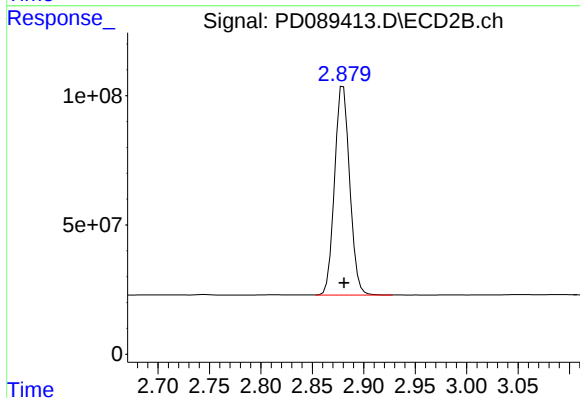
#1 Tetrachloro-m-xylene

R.T.: 3.554 min
Delta R.T.: 0.004 min
Response: 130965436
Conc: 45.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

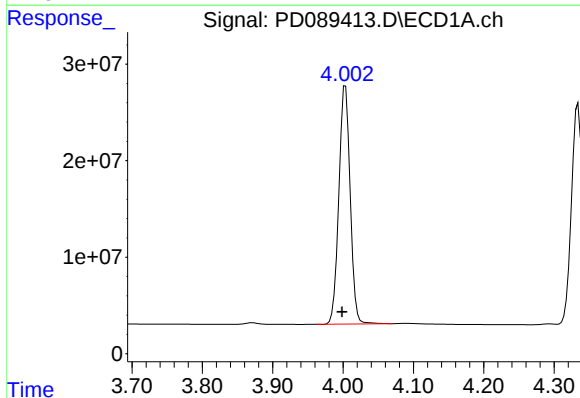
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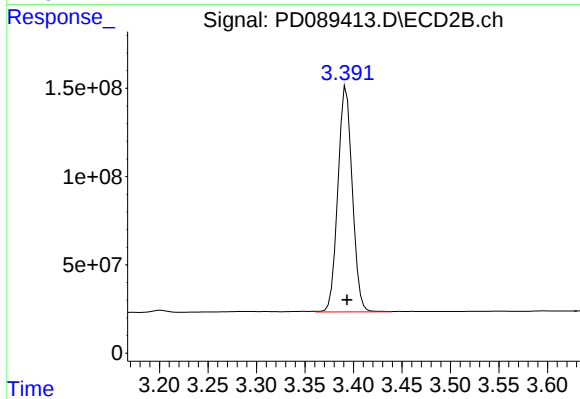
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 828129860
Conc: 48.85 ng/ml



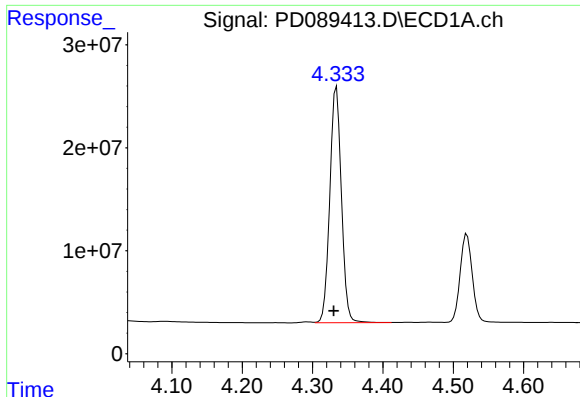
#2 alpha-BHC

R.T.: 4.003 min
Delta R.T.: 0.004 min
Response: 276137156
Conc: 47.37 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 1315464099
Conc: 49.09 ng/ml



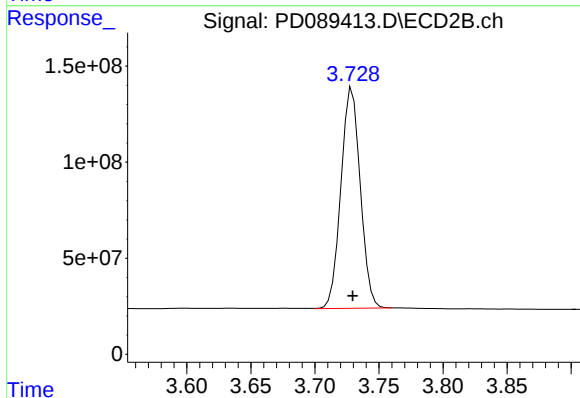
#3 gamma-BHC (Lindane)

R.T.: 4.334 min
Delta R.T.: 0.004 min
Response: 262214996
Conc: 46.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

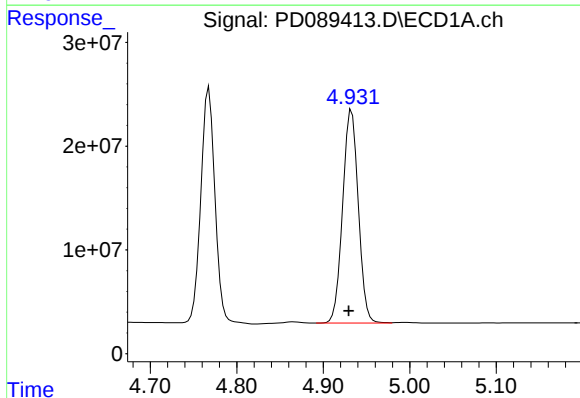
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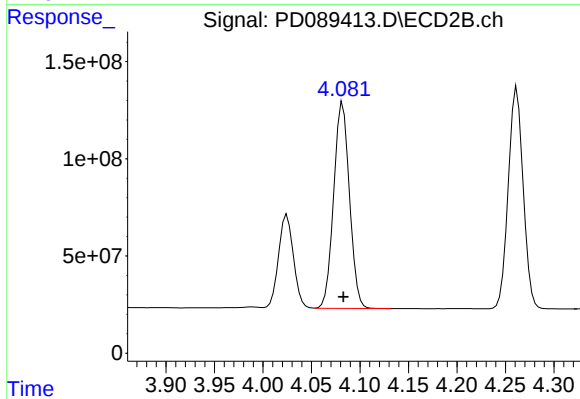
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.002 min
Response: 1205967531
Conc: 48.71 ng/ml m



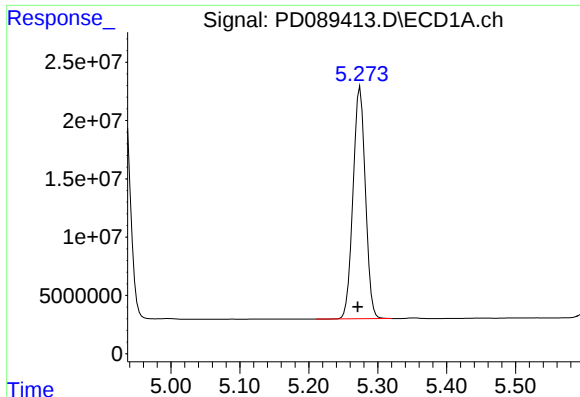
#4 Heptachlor

R.T.: 4.933 min
Delta R.T.: 0.003 min
Response: 256932581
Conc: 47.13 ng/ml



#4 Heptachlor

R.T.: 4.082 min
Delta R.T.: 0.000 min
Response: 1198657844
Conc: 47.87 ng/ml



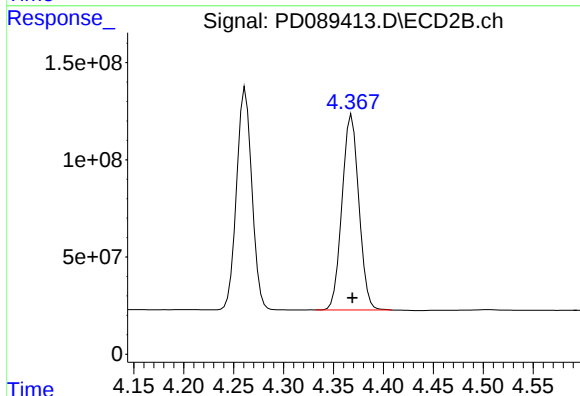
#5 Aldrin

R.T.: 5.275 min
Delta R.T.: 0.004 min
Response: 247433748
Conc: 46.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

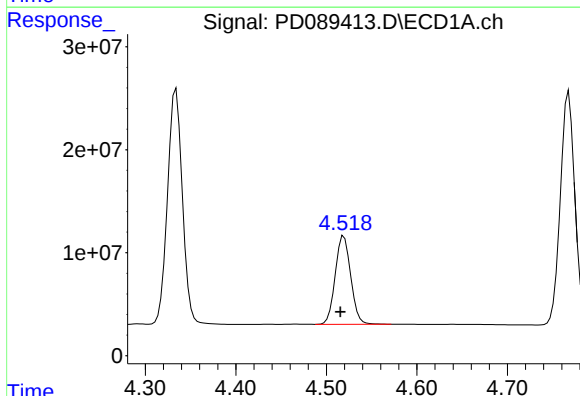
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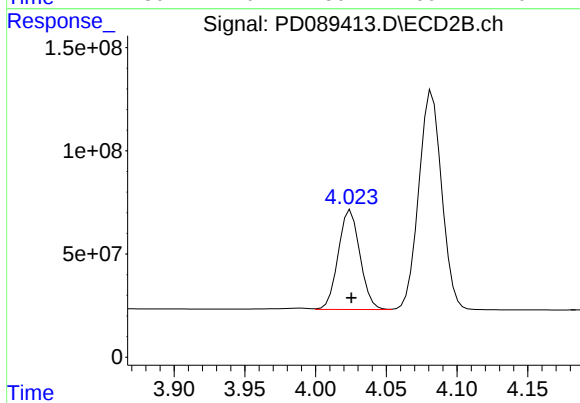
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 1179099582
Conc: 48.69 ng/ml



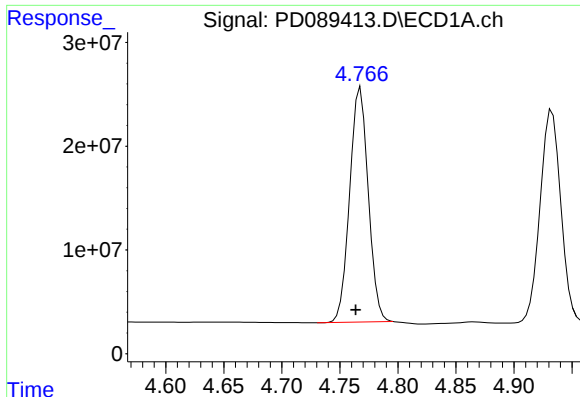
#6 beta-BHC

R.T.: 4.519 min
Delta R.T.: 0.004 min
Response: 102019426
Conc: 46.22 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 516076381
Conc: 48.02 ng/ml



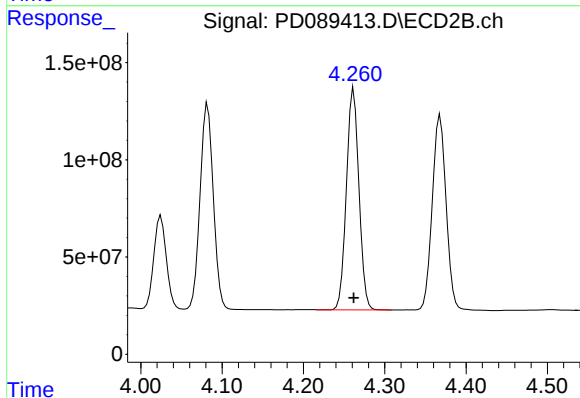
#7 delta-BHC

R.T.: 4.768 min
Delta R.T.: 0.004 min
Response: 251879519
Conc: 49.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

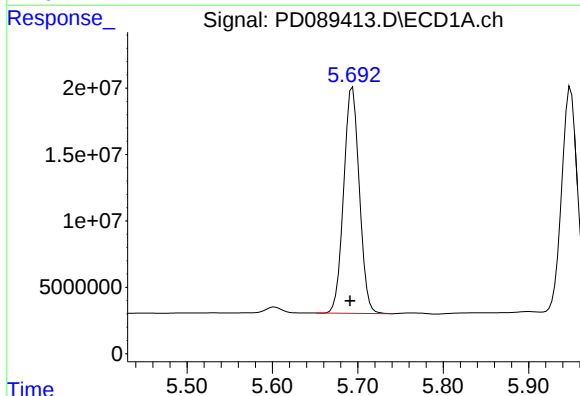
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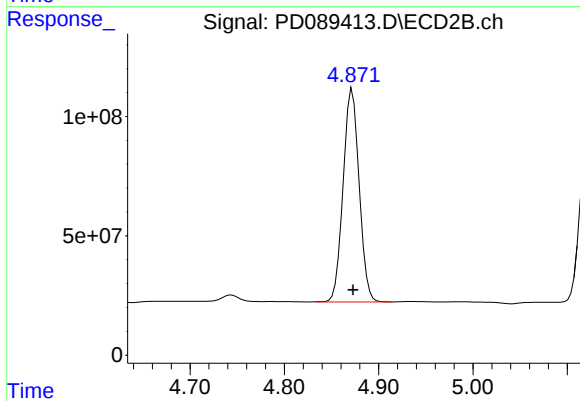
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 1215621264
Conc: 48.87 ng/ml



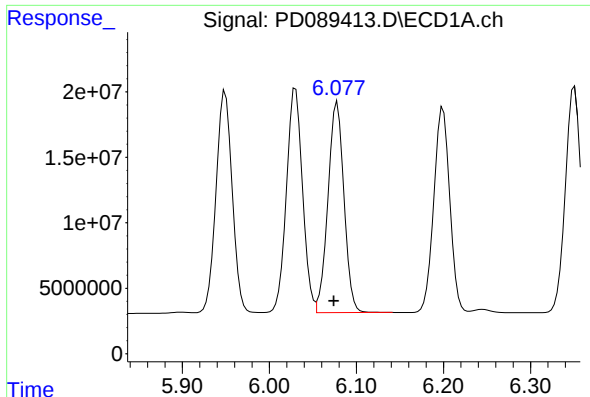
#8 Heptachlor epoxide

R.T.: 5.694 min
Delta R.T.: 0.003 min
Response: 217149054
Conc: 45.01 ng/ml



#8 Heptachlor epoxide

R.T.: 4.871 min
Delta R.T.: -0.002 min
Response: 1055200214
Conc: 48.19 ng/ml m



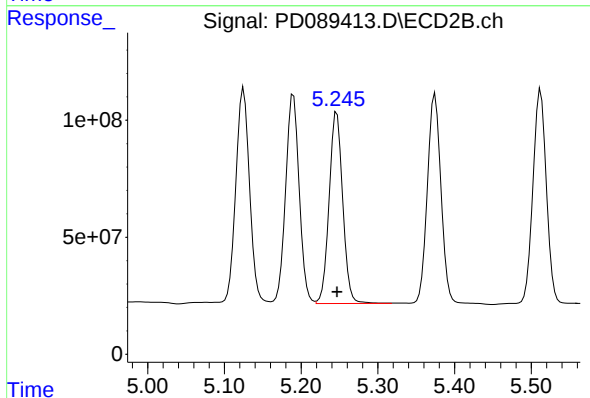
#9 Endosulfan I

R.T.: 6.078 min
Delta R.T.: 0.004 min
Response: 205598800
Conc: 45.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

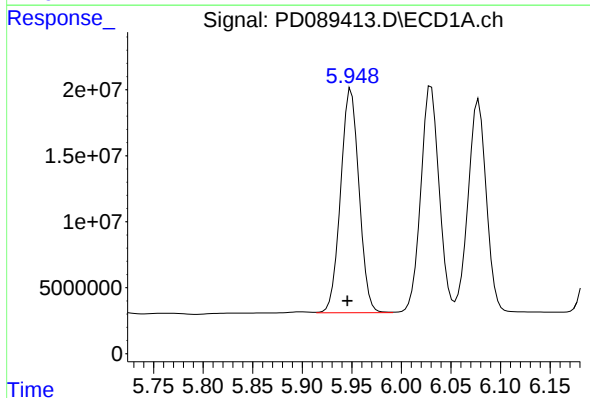
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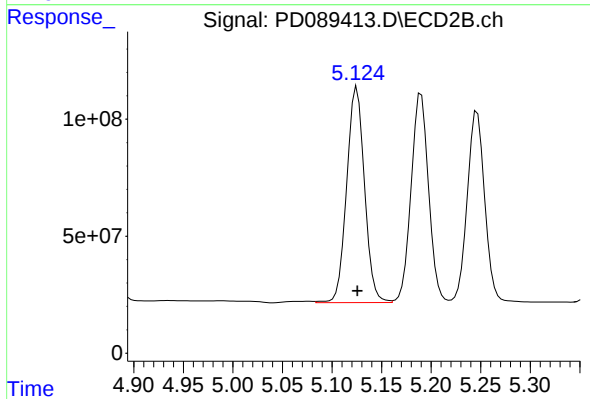
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 1006850926
Conc: 48.31 ng/ml



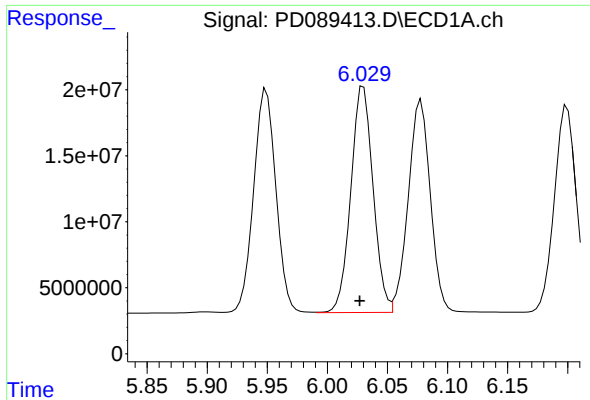
#10 gamma-Chlordane

R.T.: 5.949 min
Delta R.T.: 0.004 min
Response: 219223411
Conc: 45.78 ng/ml



#10 gamma-Chlordane

R.T.: 5.125 min
Delta R.T.: 0.000 min
Response: 1154963287
Conc: 48.28 ng/ml



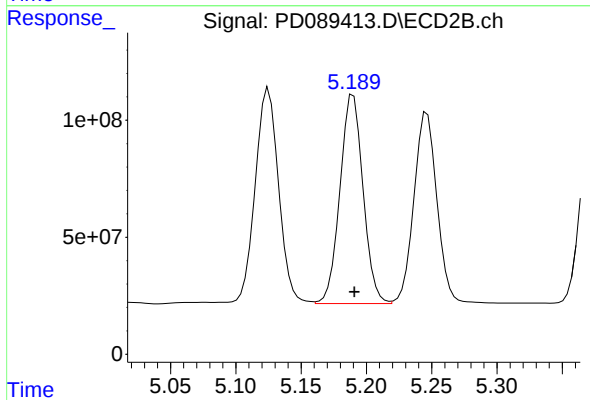
#11 alpha-Chlordane

R.T.: 6.030 min
Delta R.T.: 0.003 min
Response: 221013499
Conc: 45.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

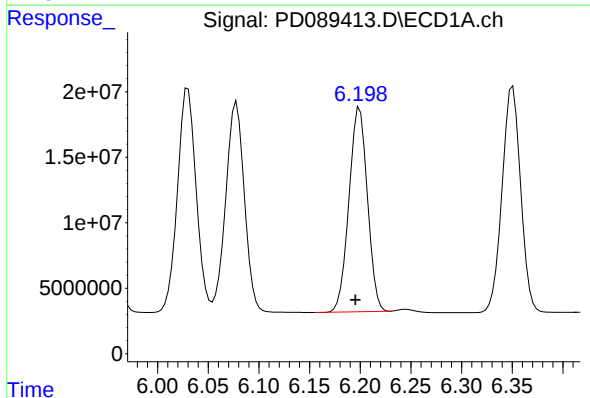
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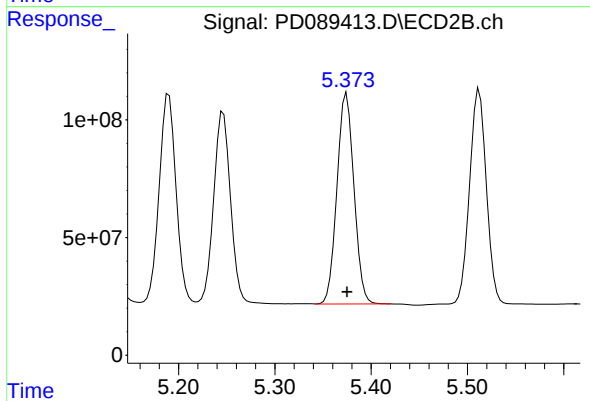
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: 0.000 min
Response: 1100468980
Conc: 48.06 ng/ml



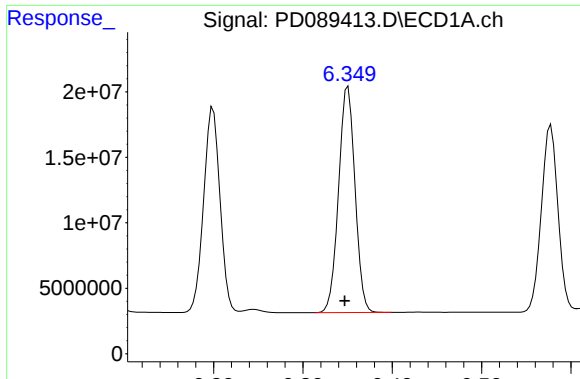
#12 4,4'-DDE

R.T.: 6.199 min
Delta R.T.: 0.004 min
Response: 197469222
Conc: 45.28 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 1096867099
Conc: 47.86 ng/ml



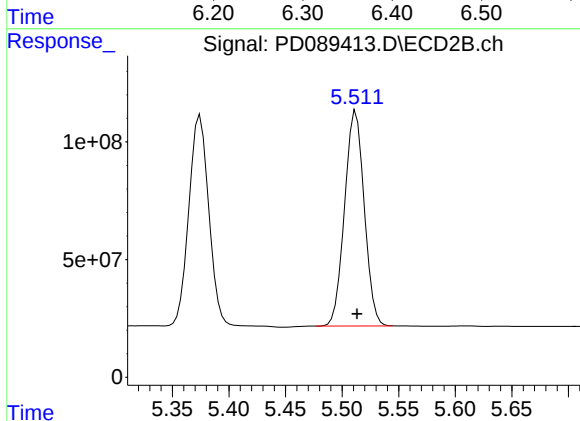
#13 Dieldrin

R.T.: 6.351 min
Delta R.T.: 0.004 min
Response: 220391762
Conc: 45.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

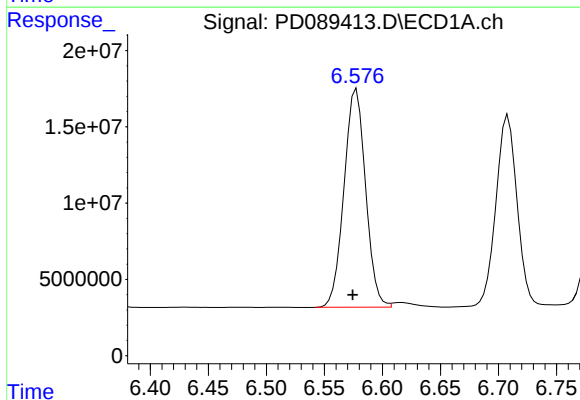
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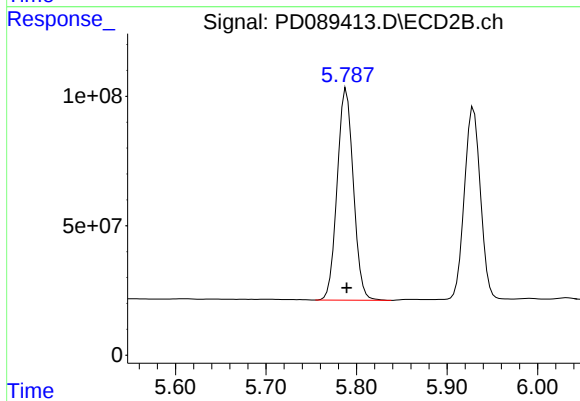
#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: -0.002 min
Response: 1106176965
Conc: 47.66 ng/ml m



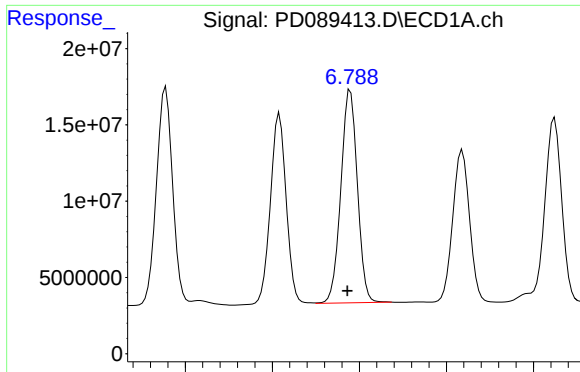
#14 Endrin

R.T.: 6.578 min
Delta R.T.: 0.003 min
Response: 185136590
Conc: 44.88 ng/ml



#14 Endrin

R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 1014854474
Conc: 46.74 ng/ml



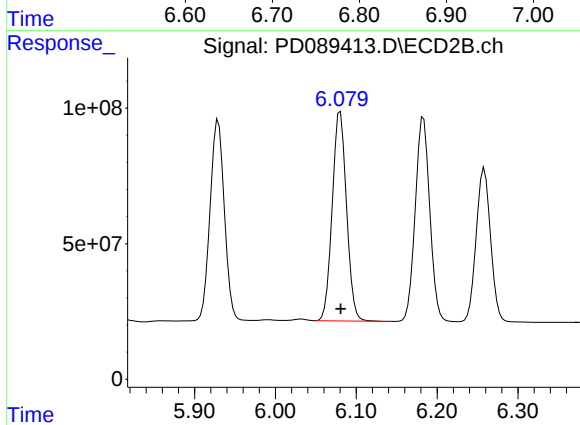
#15 Endosulfan II

R.T.: 6.790 min
Delta R.T.: 0.003 min
Response: 184012162
Conc: 45.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

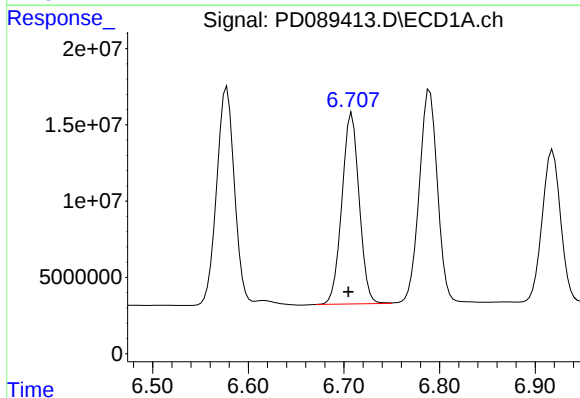
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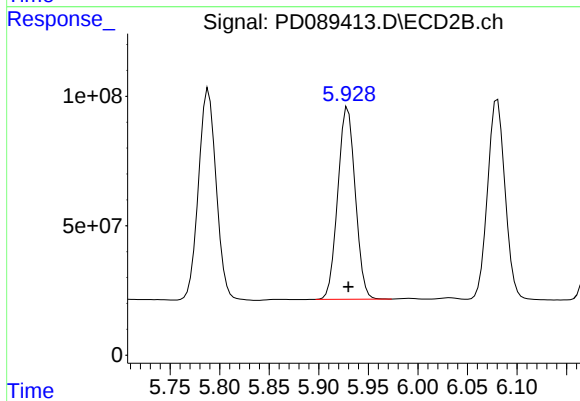
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: 0.000 min
Response: 948923055
Conc: 46.98 ng/ml



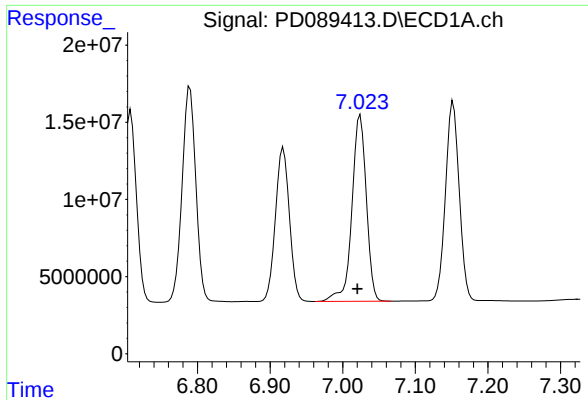
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.004 min
Response: 157449303
Conc: 45.88 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 909493480
Conc: 47.54 ng/ml



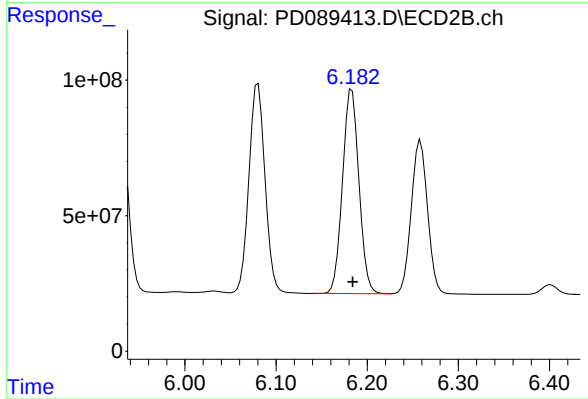
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.004 min
Response: 166511709
Conc: 43.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

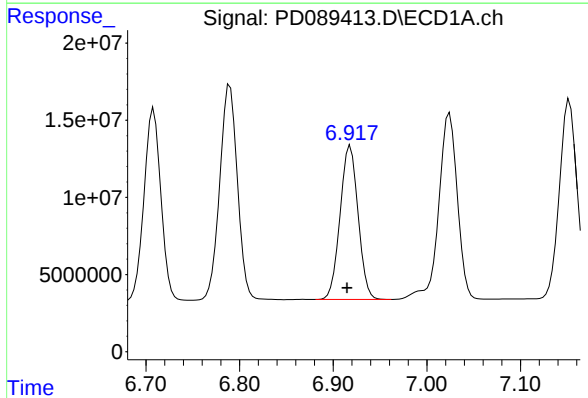
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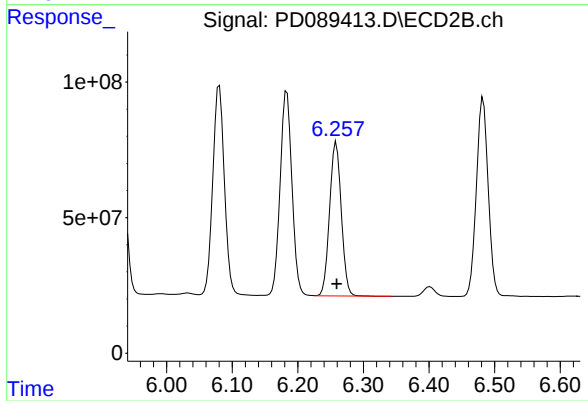
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: 0.000 min
Response: 944448248
Conc: 46.57 ng/ml



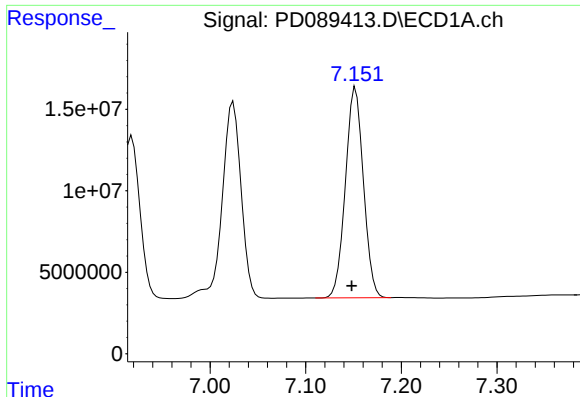
#18 Endrin aldehyde

R.T.: 6.918 min
Delta R.T.: 0.004 min
Response: 133271360
Conc: 43.50 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: 0.000 min
Response: 704437072
Conc: 46.01 ng/ml



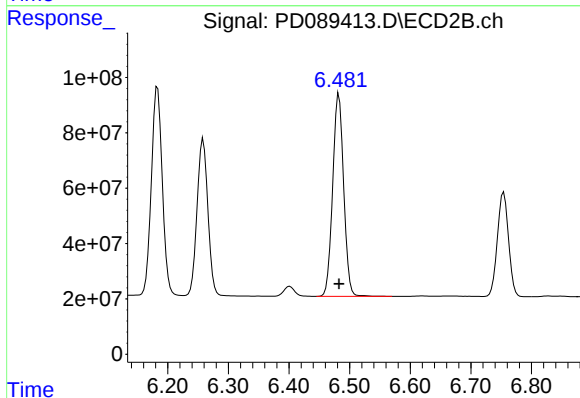
#19 Endosulfan Sulfate

R.T.: 7.152 min
Delta R.T.: 0.004 min
Response: 169614648
Conc: 44.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

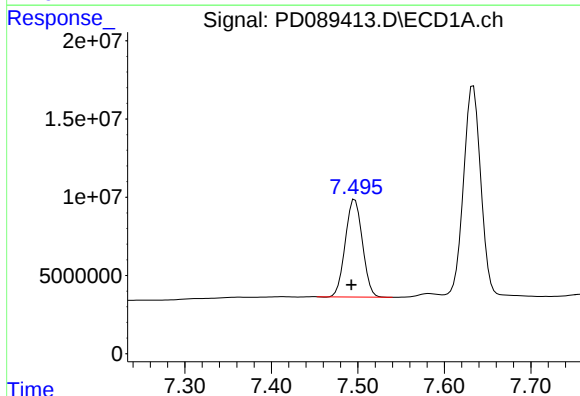
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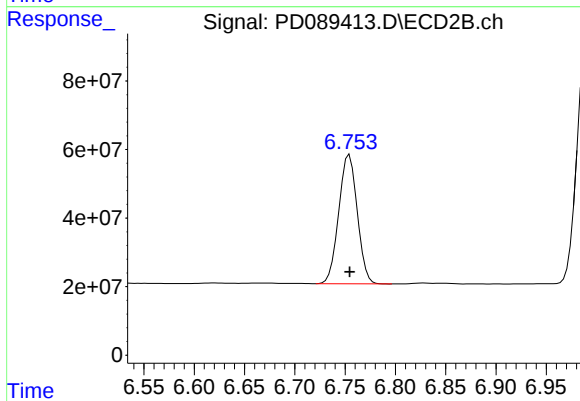
#19 Endosulfan Sulfate

R.T.: 6.482 min
Delta R.T.: 0.000 min
Response: 921623065
Conc: 46.97 ng/ml



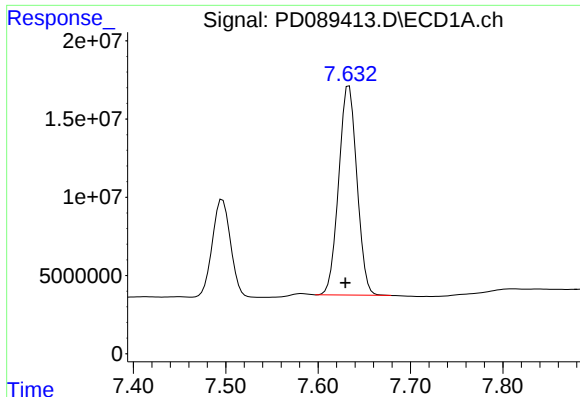
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.004 min
Response: 85253091
Conc: 42.19 ng/ml



#20 Methoxychlor

R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 481619607
Conc: 44.73 ng/ml



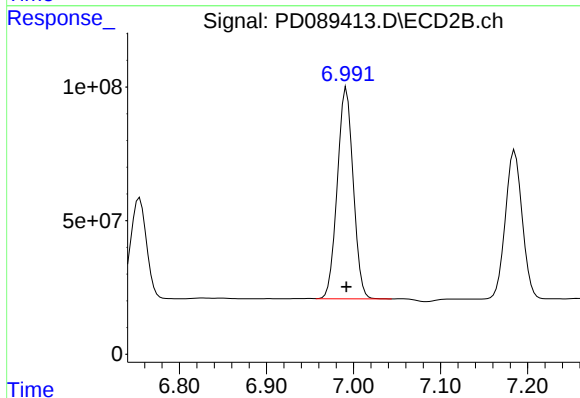
#21 Endrin ketone

R.T.: 7.634 min
Delta R.T.: 0.004 min
Response: 183472087
Conc: 45.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

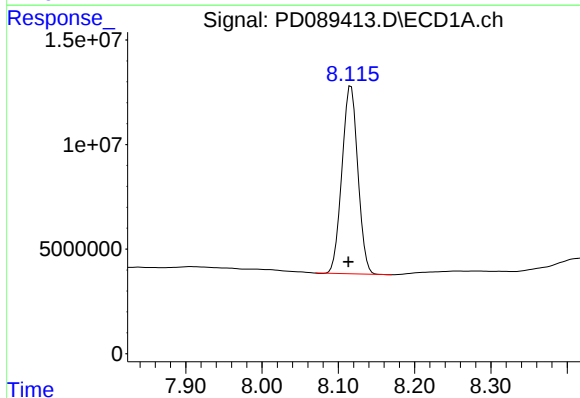
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025



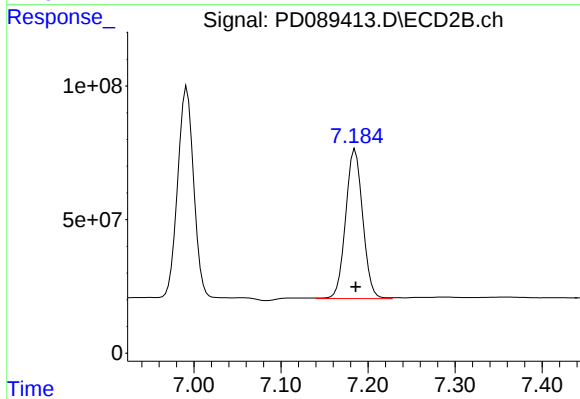
#21 Endrin ketone

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 1004020674
Conc: 46.48 ng/ml



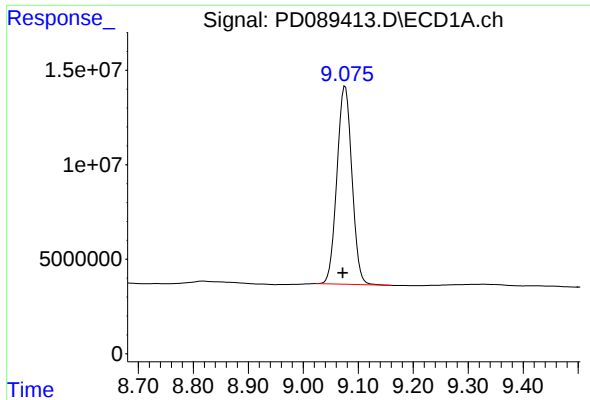
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.003 min
Response: 130313082
Conc: 42.86 ng/ml



#22 Mirex

R.T.: 7.185 min
Delta R.T.: 0.000 min
Response: 761815423
Conc: 45.68 ng/ml



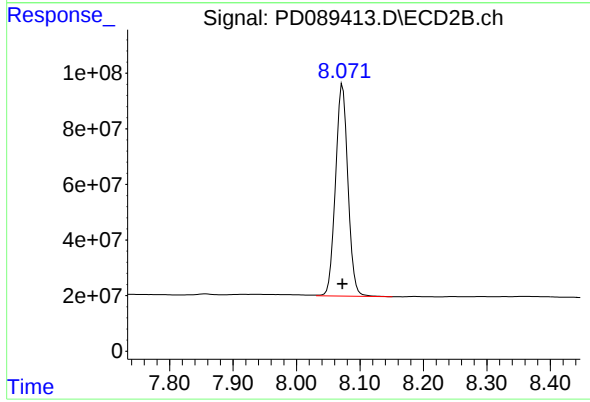
#28 Decachlorobiphenyl

R.T.: 9.076 min
Delta R.T.: 0.004 min
Response: 198604371
Conc: 50.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
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Supervised By :mohammad ahmed 07/11/2025



#28 Decachlorobiphenyl

R.T.: 8.073 min
Delta R.T.: 0.000 min
Response: 1036079748
Conc: 52.41 ng/ml