

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
 Data File : PD088537.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2025 19:46
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/14/2025
 Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 13 22:47:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 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...	3.551	2.882	107.2E6	704.1E6	53.660	48.157
28)	SA Decachlor...	9.072	8.074	160.5E6	756.8E6	48.527	40.952
Target Compounds							
2)	A alpha-BHC	4.001	3.395	243.1E6	1116.0E6	56.370	48.817
3)	MA gamma-BHC...	4.331	3.731	232.2E6	1035.0E6	55.454	48.053
4)	MA Heptachlor	4.931	4.085	226.9E6	1028.2E6	56.184	48.053
5)	MB Aldrin	5.273	4.369	221.8E6	1009.4E6	56.152	48.522m
6)	B beta-BHC	4.516	4.027	88803675	441.6E6	54.703	47.720
7)	B delta-BHC	4.765	4.263	230.1E6	1036.1E6	55.794	48.731
8)	B Heptachlo...	5.691	4.874	196.6E6	904.3E6	55.003	47.861
9)	A Endosulfan I	6.075	5.248	189.7E6	737.0E6	56.164	40.915 #
10)	B gamma-Chl...	5.945	5.128	198.3E6	968.0E6	54.755m	47.695
11)	B alpha-Chl...	6.028	5.192	206.0E6	928.2E6	57.061	47.350
12)	B 4,4'-DDE	6.196	5.375	173.7E6	935.1E6	52.660	47.481m
13)	MA Dieldrin	6.348	5.515	197.5E6	947.1E6	55.339	47.513
14)	MA Endrin	6.575	5.791	160.0E6	868.4E6	53.636	47.711
15)	B Endosulfa...	6.786	6.082	166.2E6	826.1E6	53.178	47.148
16)	A 4,4'-DDD	6.705	5.932	140.3E6	779.6E6	55.768	47.578
17)	MA 4,4'-DDT	7.021	6.186	145.3E6	797.3E6	52.314	46.854
18)	B Endrin al...	6.915	6.260	120.4E6	603.3E6	52.184	45.361
19)	B Endosulfa...	7.150	6.484	153.0E6	785.2E6	53.208	45.829
20)	A Methoxychlor	7.493	6.756	75967499	414.2E6	50.660	45.407
21)	B Endrin ke...	7.630	6.993	163.2E6	849.4E6	52.883	45.415
22)	Mirex	8.114	7.187	121.0E6	644.5E6	51.516	43.486

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088537.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 19:46
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

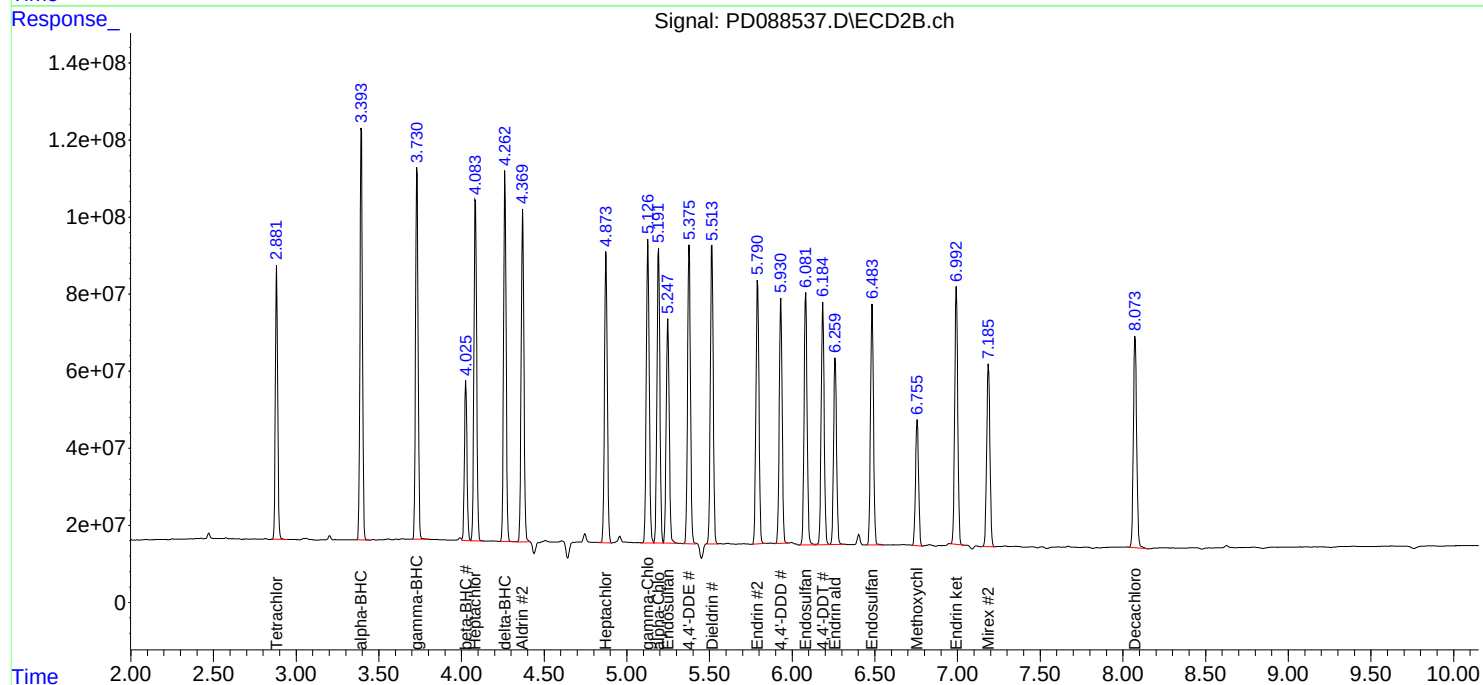
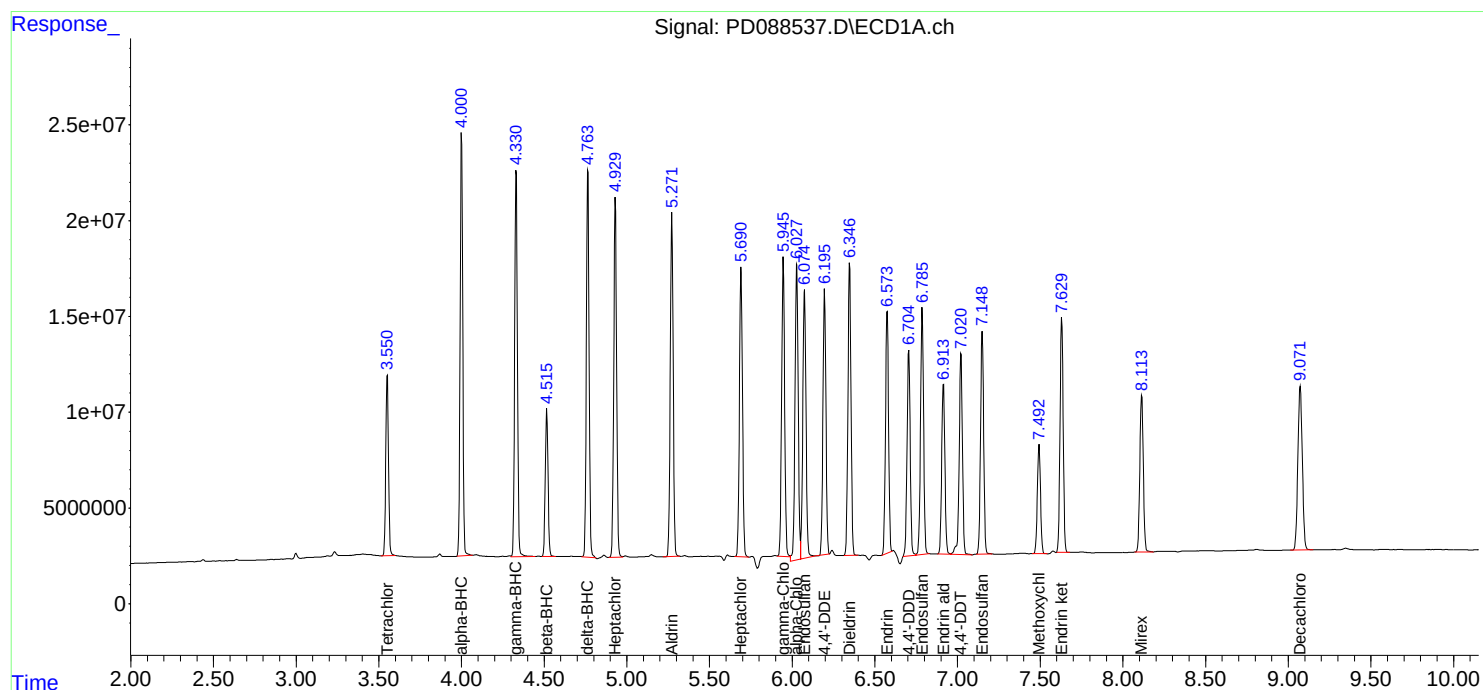
APPROVED

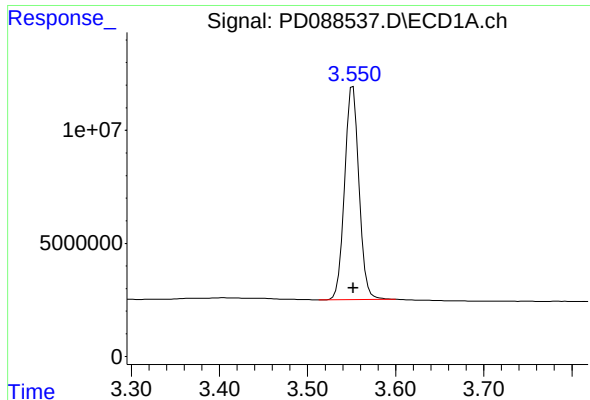
Reviewed By :Abdul Mirza 05/14/2025

Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:47:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





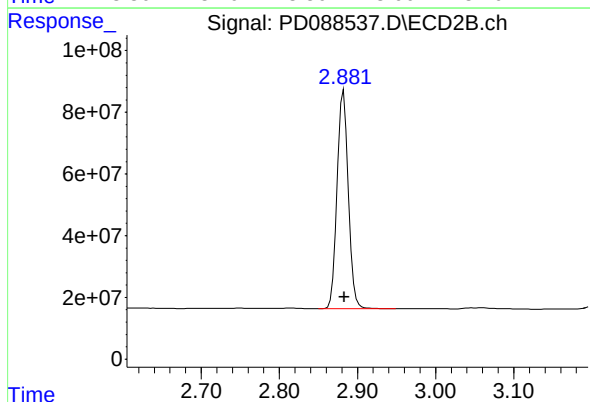
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 107180971
Conc: 53.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

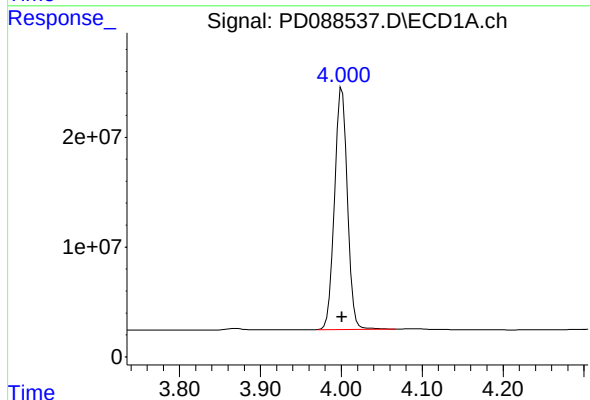
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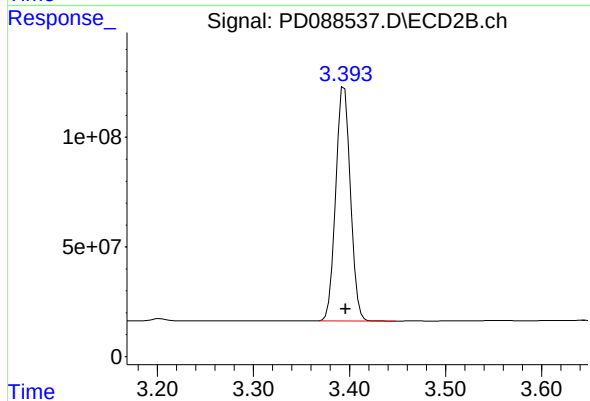
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 704132136
Conc: 48.16 ng/ml



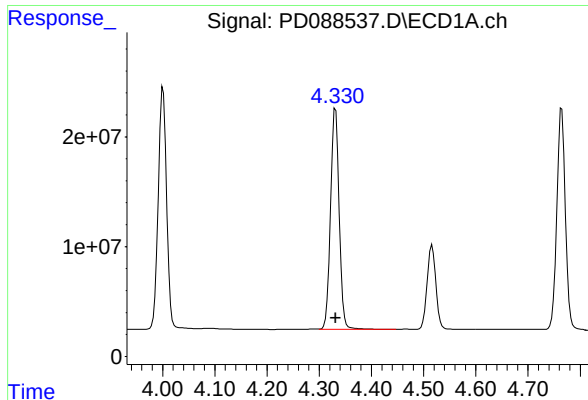
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.000 min
Response: 243068070
Conc: 56.37 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: -0.002 min
Response: 1116039526
Conc: 48.82 ng/ml



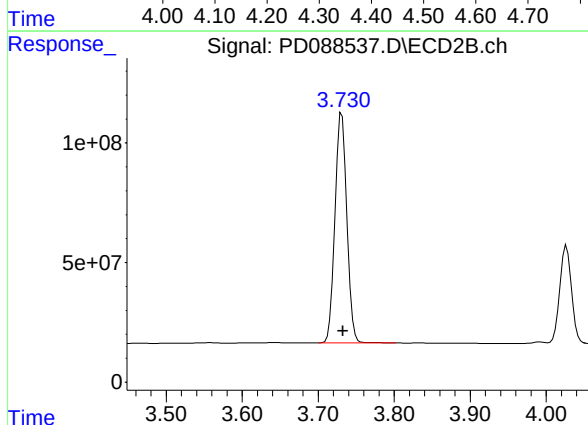
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 232214324
Conc: 55.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

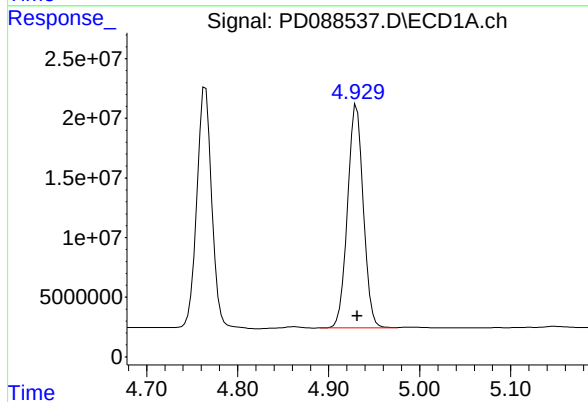
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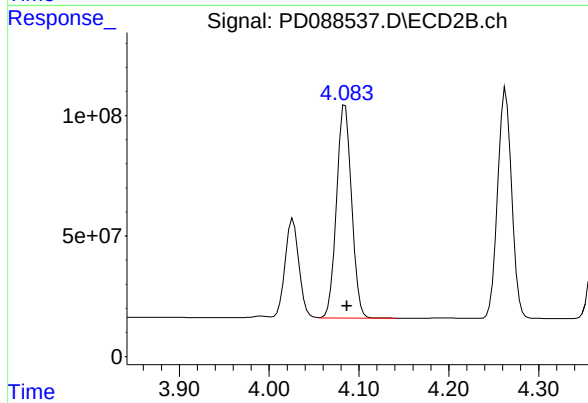
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: -0.002 min
Response: 1035004772
Conc: 48.05 ng/ml



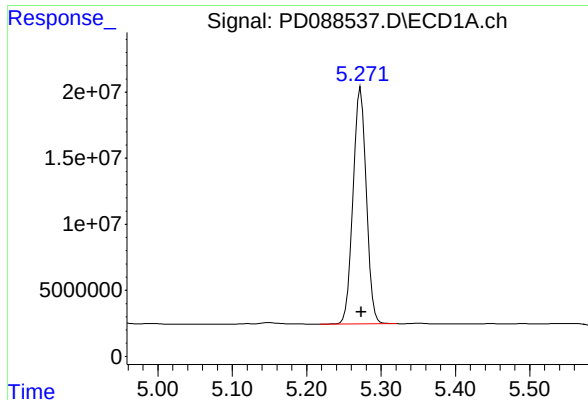
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 226925955
Conc: 56.18 ng/ml



#4 Heptachlor

R.T.: 4.085 min
Delta R.T.: -0.002 min
Response: 1028245887
Conc: 48.05 ng/ml



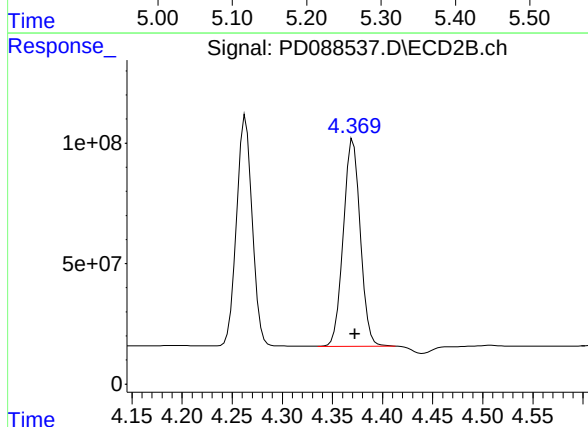
#5 Aldrin

R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 221778010
Conc: 56.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

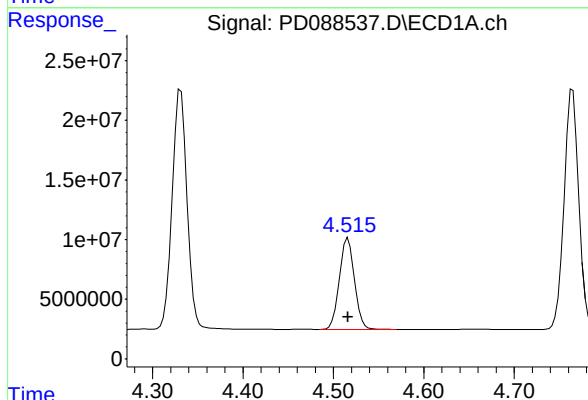
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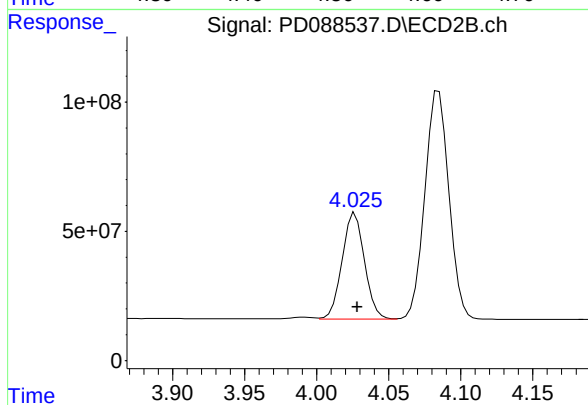
#5 Aldrin

R.T.: 4.369 min
Delta R.T.: -0.003 min
Response: 1009402572
Conc: 48.52 ng/ml m



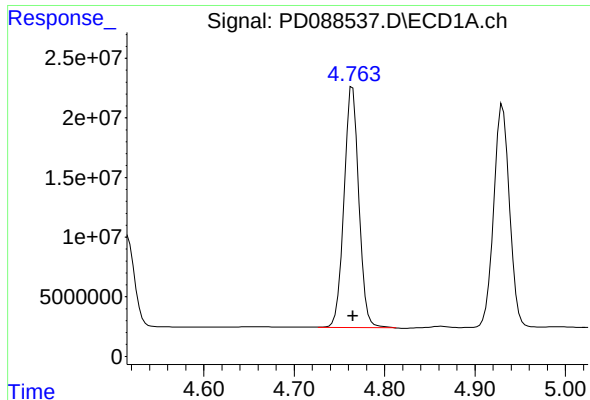
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 88803675
Conc: 54.70 ng/ml



#6 beta-BHC

R.T.: 4.027 min
Delta R.T.: -0.002 min
Response: 441607931
Conc: 47.72 ng/ml



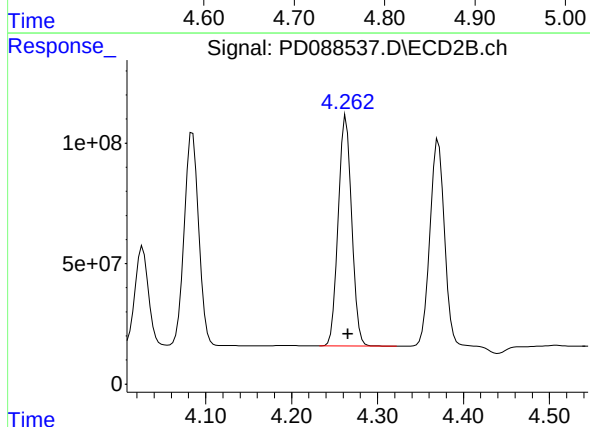
#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 230148790
Conc: 55.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

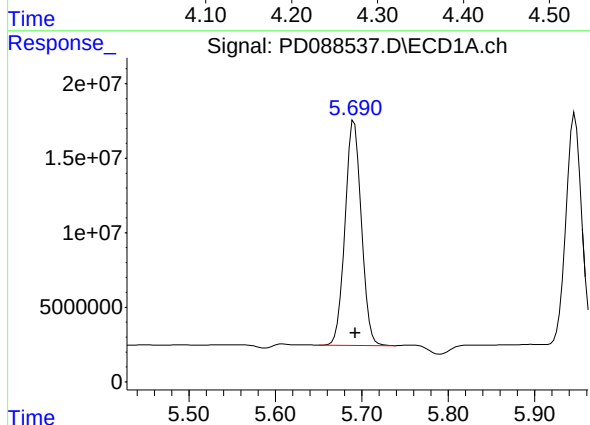
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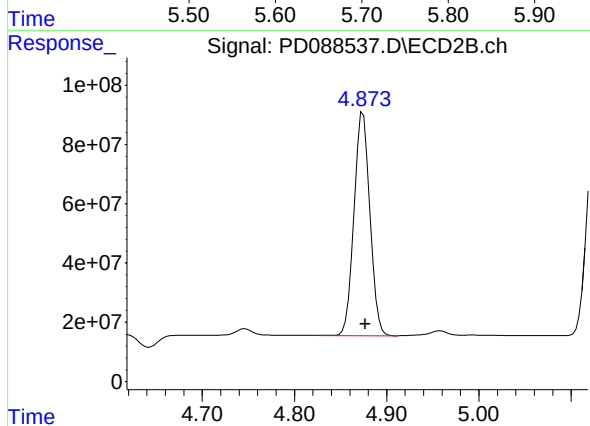
#7 delta-BHC

R.T.: 4.263 min
Delta R.T.: -0.002 min
Response: 1036090184
Conc: 48.73 ng/ml



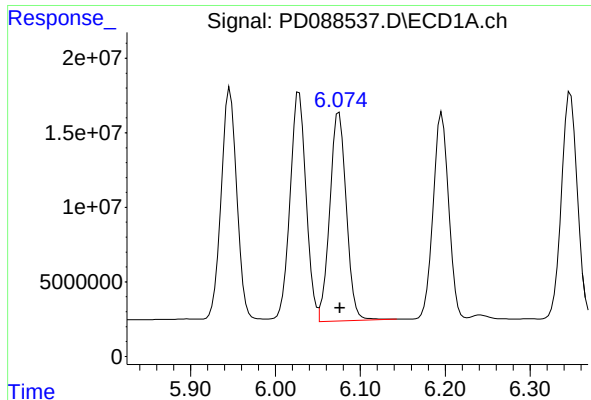
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: -0.002 min
Response: 196576386
Conc: 55.00 ng/ml



#8 Heptachlor epoxide

R.T.: 4.874 min
Delta R.T.: -0.002 min
Response: 904291304
Conc: 47.86 ng/ml



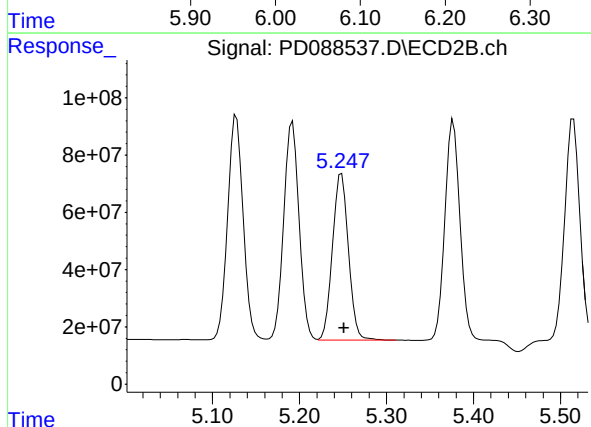
#9 Endosulfan I

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 189673373
Conc: 56.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

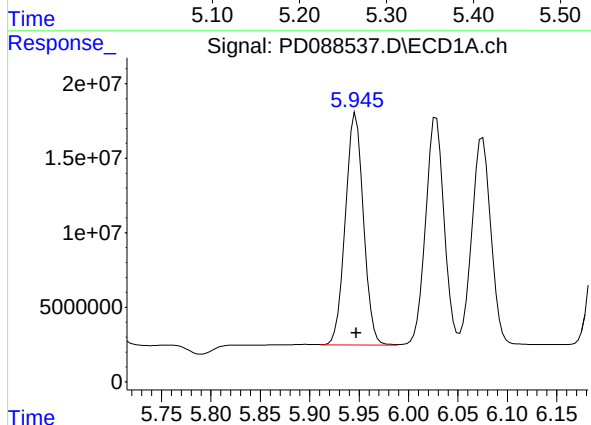
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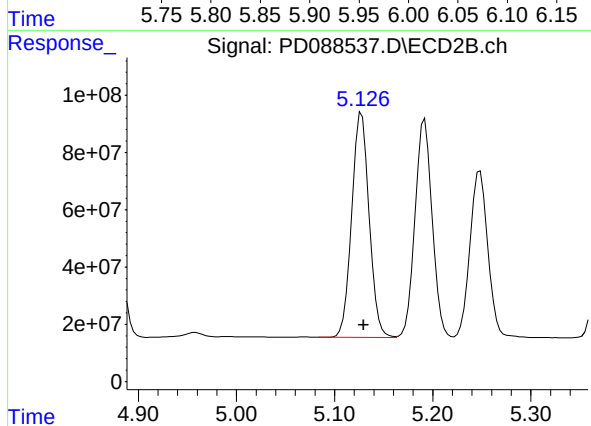
#9 Endosulfan I

R.T.: 5.248 min
Delta R.T.: -0.003 min
Response: 736988144
Conc: 40.92 ng/ml



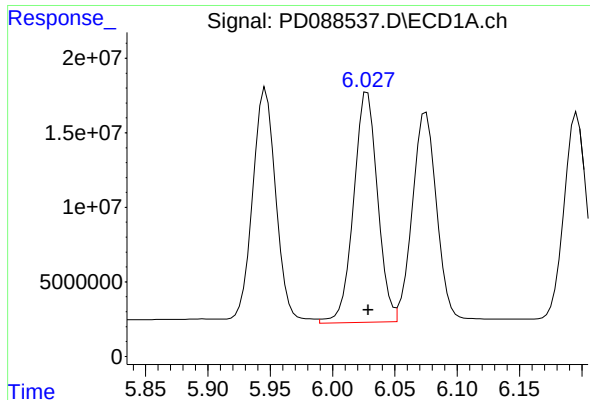
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: -0.002 min
Response: 198326585
Conc: 54.76 ng/ml m



#10 gamma-Chlordane

R.T.: 5.128 min
Delta R.T.: -0.002 min
Response: 968016592
Conc: 47.69 ng/ml



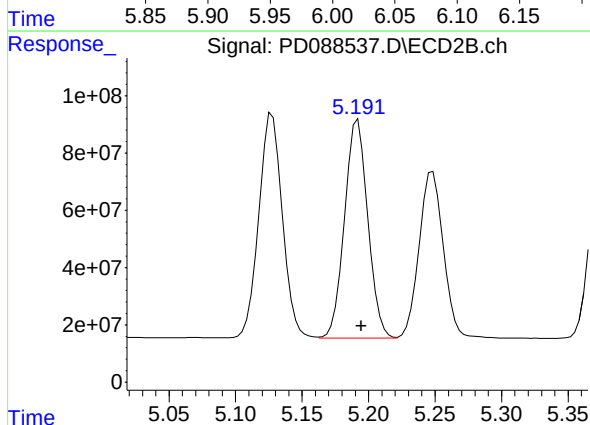
#11 alpha-Chlordane

R.T.: 6.028 min
Delta R.T.: 0.000 min
Response: 205966690
Conc: 57.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

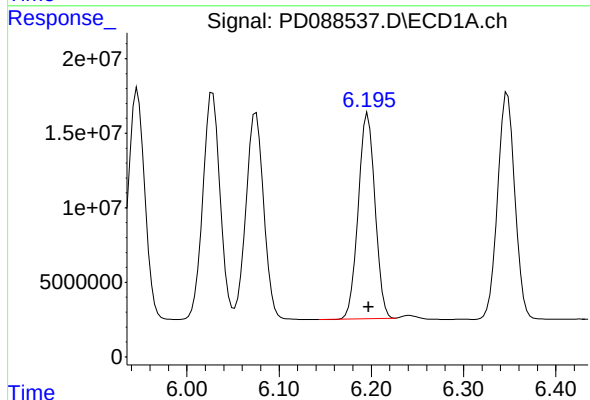
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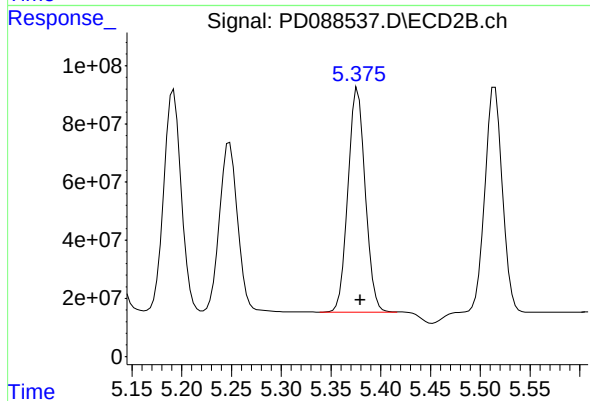
#11 alpha-Chlordane

R.T.: 5.192 min
Delta R.T.: -0.002 min
Response: 928198737
Conc: 47.35 ng/ml



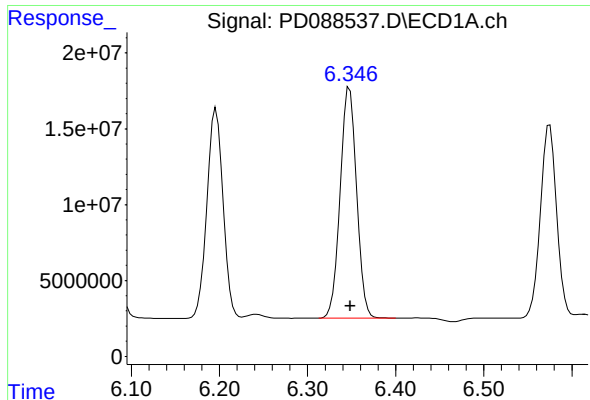
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 173685511
Conc: 52.66 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: -0.004 min
Response: 935085254
Conc: 47.48 ng/ml m



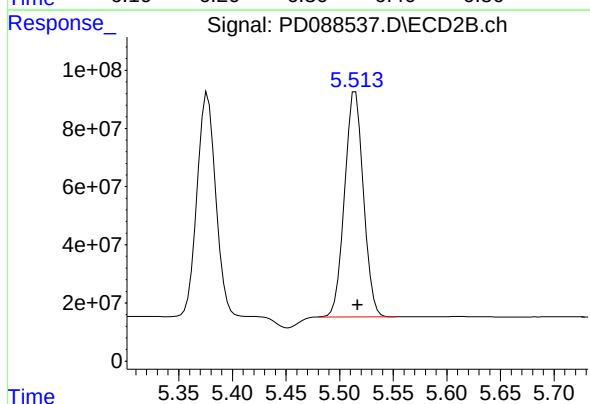
#13 Dieldrin

R.T.: 6.348 min
Delta R.T.: 0.000 min
Response: 197477741
Conc: 55.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

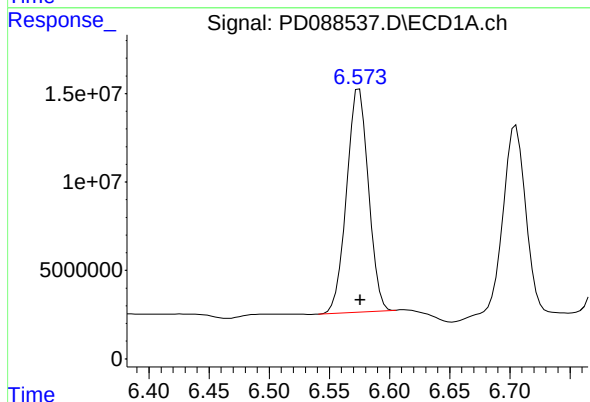
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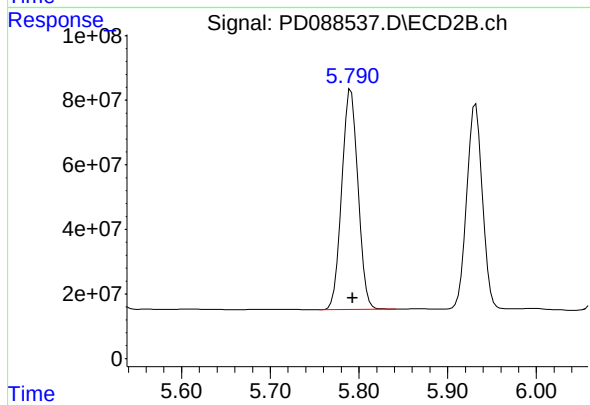
#13 Dieldrin

R.T.: 5.515 min
Delta R.T.: -0.002 min
Response: 947065389
Conc: 47.51 ng/ml



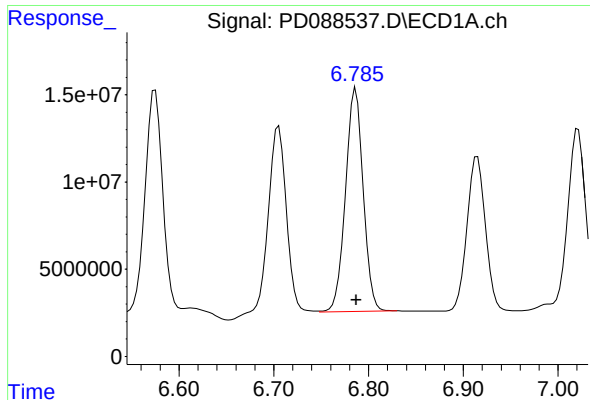
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 159973121
Conc: 53.64 ng/ml



#14 Endrin

R.T.: 5.791 min
Delta R.T.: -0.002 min
Response: 868447501
Conc: 47.71 ng/ml



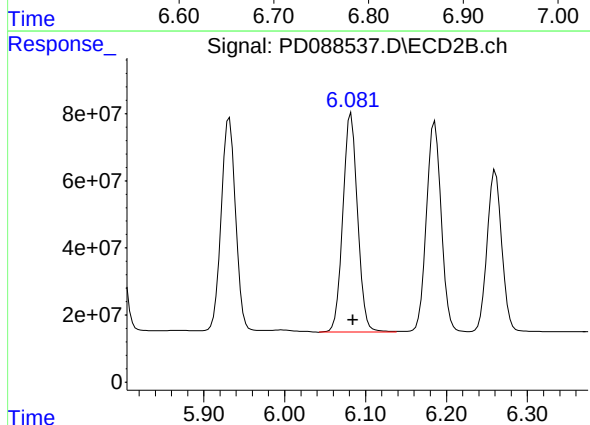
#15 Endosulfan II

R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 166247341
Conc: 53.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

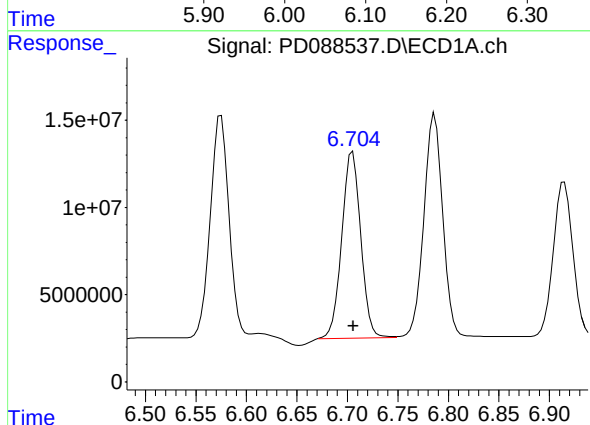
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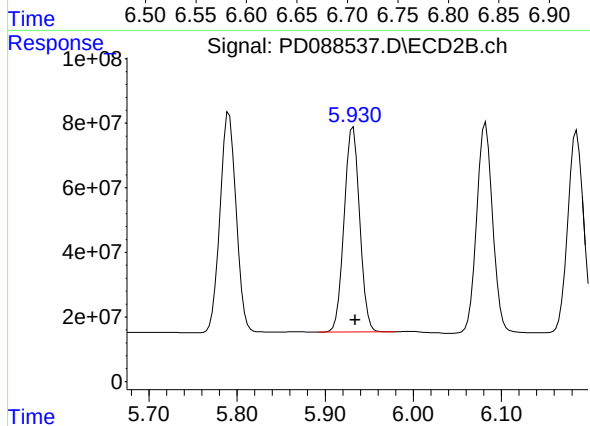
#15 Endosulfan II

R.T.: 6.082 min
Delta R.T.: -0.002 min
Response: 826114342
Conc: 47.15 ng/ml



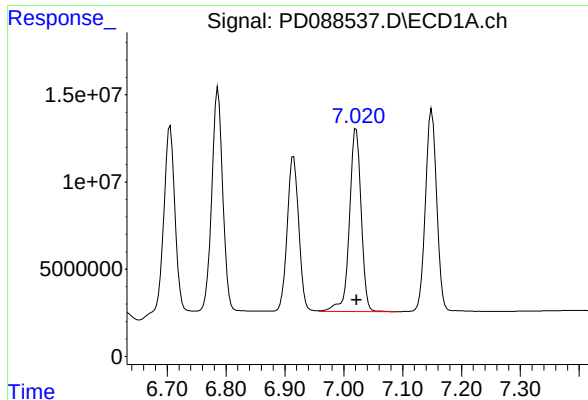
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 140253743
Conc: 55.77 ng/ml



#16 4,4'-DDD

R.T.: 5.932 min
Delta R.T.: -0.002 min
Response: 779625528
Conc: 47.58 ng/ml



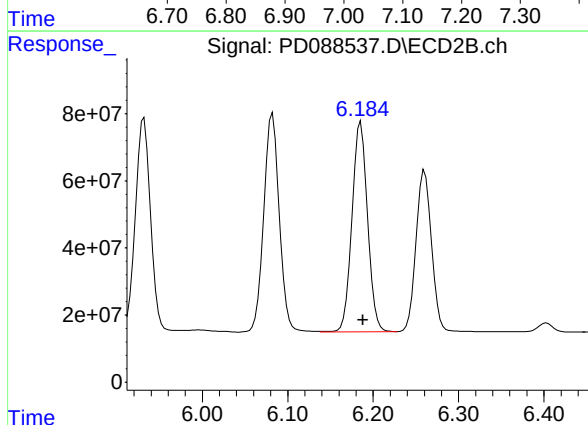
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 145305386
Conc: 52.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

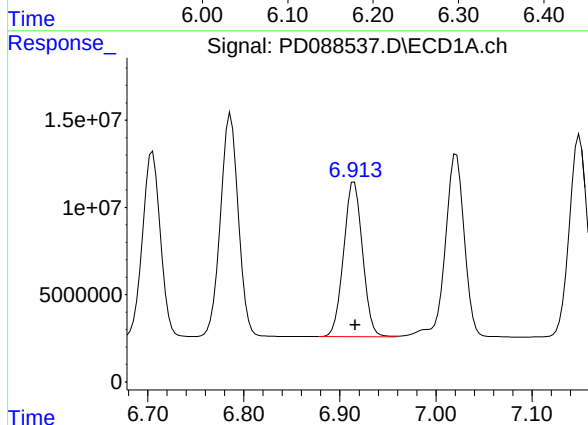
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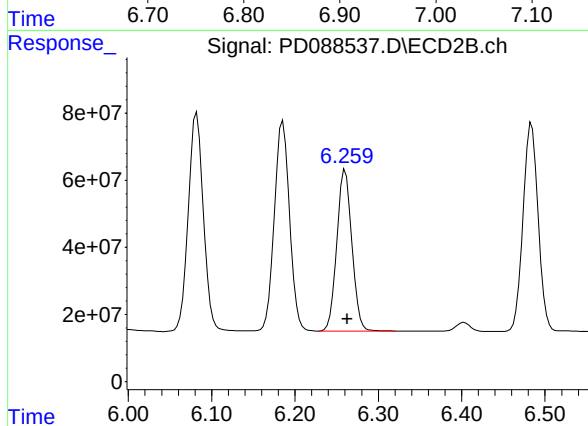
#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: -0.002 min
Response: 797283310
Conc: 46.85 ng/ml



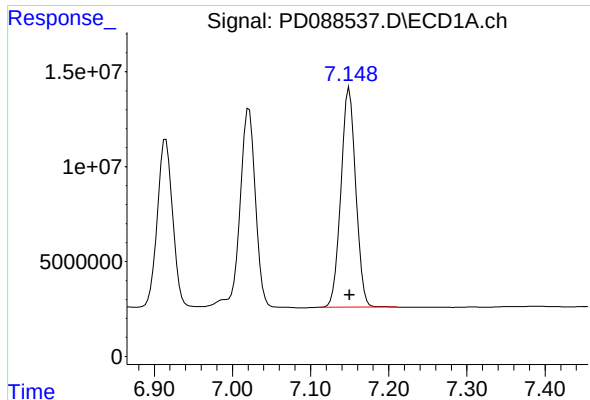
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: -0.001 min
Response: 120439853
Conc: 52.18 ng/ml



#18 Endrin aldehyde

R.T.: 6.260 min
Delta R.T.: -0.003 min
Response: 603342788
Conc: 45.36 ng/ml



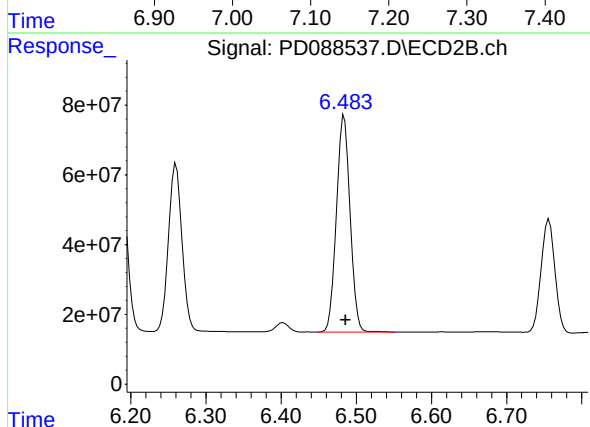
#19 Endosulfan Sulfate

R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 153016576
Conc: 53.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

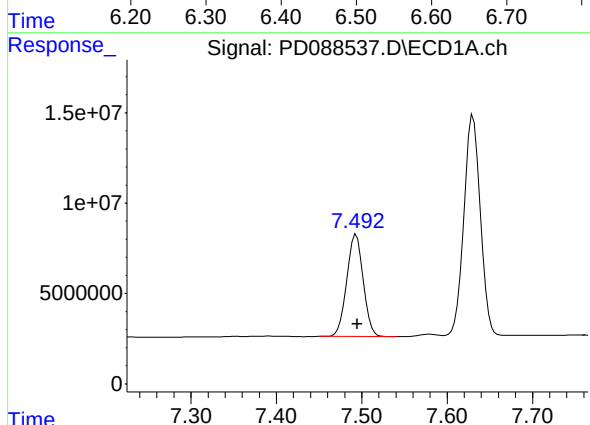
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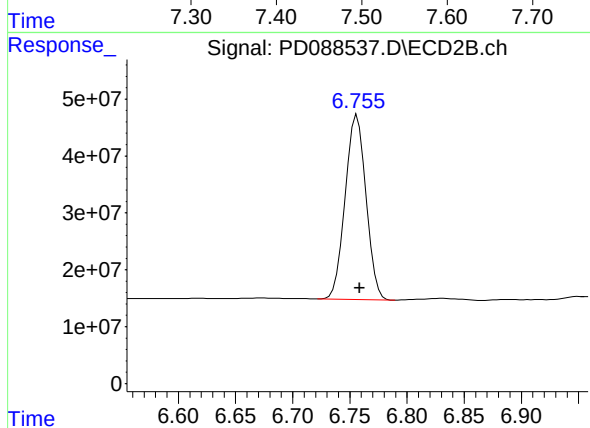
#19 Endosulfan Sulfate

R.T.: 6.484 min
Delta R.T.: -0.002 min
Response: 785198775
Conc: 45.83 ng/ml



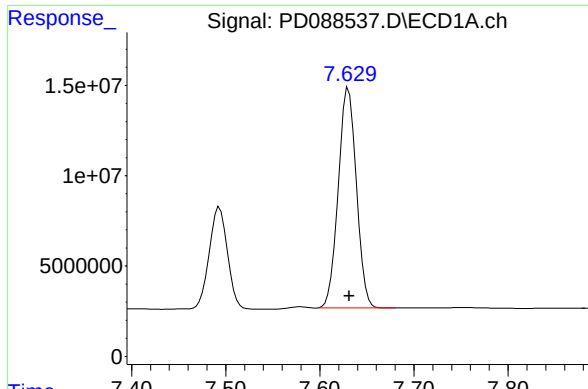
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: -0.001 min
Response: 75967499
Conc: 50.66 ng/ml



#20 Methoxychlor

R.T.: 6.756 min
Delta R.T.: -0.002 min
Response: 414161356
Conc: 45.41 ng/ml



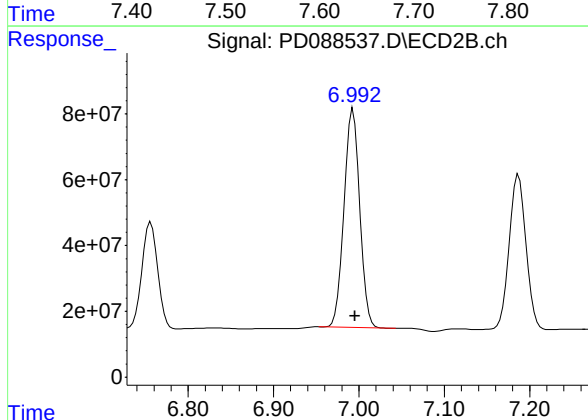
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 163226444
Conc: 52.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

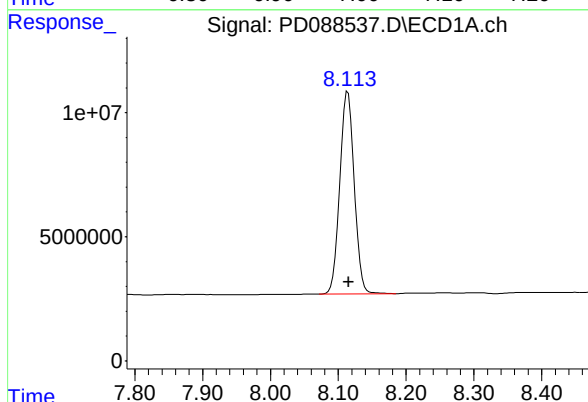
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APPROVED

Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025



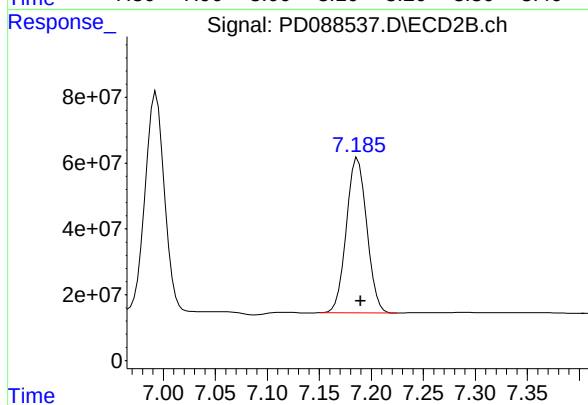
#21 Endrin ketone

R.T.: 6.993 min
Delta R.T.: -0.002 min
Response: 849434805
Conc: 45.41 ng/ml



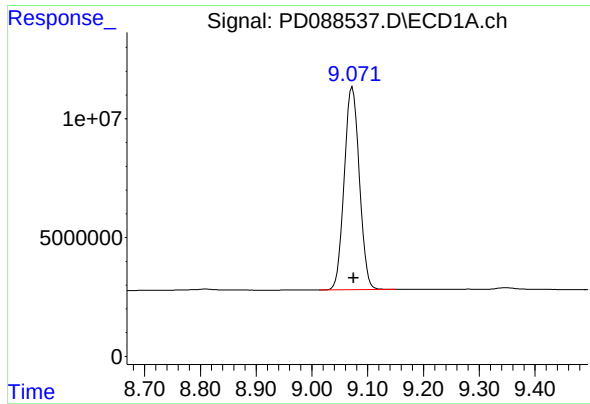
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.000 min
Response: 120975733
Conc: 51.52 ng/ml



#22 Mirex

R.T.: 7.187 min
Delta R.T.: -0.003 min
Response: 644497185
Conc: 43.49 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.002 min
Response: 160532016
Conc: 48.53 ng/ml

Instrument :

ECD_D

ClientSampleId :

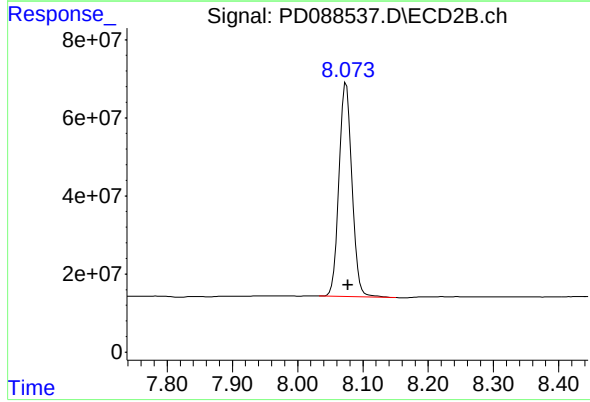
PSTDCCC050

Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 756774018
Conc: 40.95 ng/ml