

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL082725\
 Data File : PL096981.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Aug 2025 18:05
 Operator : AR\AJ
 Sample : PB169402BSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB169402BSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/27/2025
 Supervised By : mohammad ahmed 08/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 27 01:32:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 21 06:34:01 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.530	2.826	68650536	97877345	17.407	17.364
28)	SA Decachlor...	9.004	7.987	57403463	105.3E6	19.389	21.960
Target Compounds							
2)	A alpha-BHC	3.977	3.331	326.6E6	482.1E6	56.373	58.717
3)	MA gamma-BHC...	4.305	3.663	308.2E6	452.2E6	56.437	61.388
4)	MA Heptachlor	4.896	4.011	305.1E6	447.9E6	57.224	59.527
5)	MB Aldrin	5.235	4.293	299.3E6	431.9E6	56.968	61.410
6)	B beta-BHC	4.492	3.959	125.4E6	191.2E6	54.811	58.623
7)	B delta-BHC	4.737	4.192	248.7E6	386.6E6	55.276	52.614
8)	B Heptachlo...	5.655	4.795	274.7E6	395.7E6	53.380	62.556
9)	A Endosulfan I	6.036	5.166	248.8E6	368.5E6	57.898	61.505
10)	B gamma-Chl...	5.907	5.047	269.9E6	411.3E6	58.595m	62.217
11)	B alpha-Chl...	5.988	5.111	267.9E6	401.9E6	56.927	61.542
12)	B 4,4'-DDE	6.159	5.299	233.1E6	388.0E6	58.409	63.044
13)	MA Dieldrin	6.309	5.430	266.6E6	410.4E6	58.712	62.627
14)	MA Endrin	6.535	5.705	210.3E6	351.1E6	56.157	59.433
15)	B Endosulfa...	6.748	5.997	230.5E6	358.4E6	52.333	62.678
16)	A 4,4'-DDD	6.668	5.852	192.5E6	343.2E6	61.006	65.721
17)	MA 4,4'-DDT	6.982	6.104	187.4E6	315.0E6	53.507	57.519
18)	B Endrin al...	6.876	6.175	163.8E6	271.0E6	62.947	66.697
19)	B Endosulfa...	7.110	6.398	197.8E6	339.5E6	57.598	60.595
20)	A Methoxychlor	7.455	6.676	91585624	170.6E6	52.772	56.881
21)	B Endrin ke...	7.589	6.902	225.7E6	407.8E6	63.477	65.153
22)	Mirex	8.068	7.092	176.3E6	304.8E6	58.912	62.753

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL082725\
Data File : PL096981.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2025 18:05
Operator : AR\AJ
Sample : PB169402BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

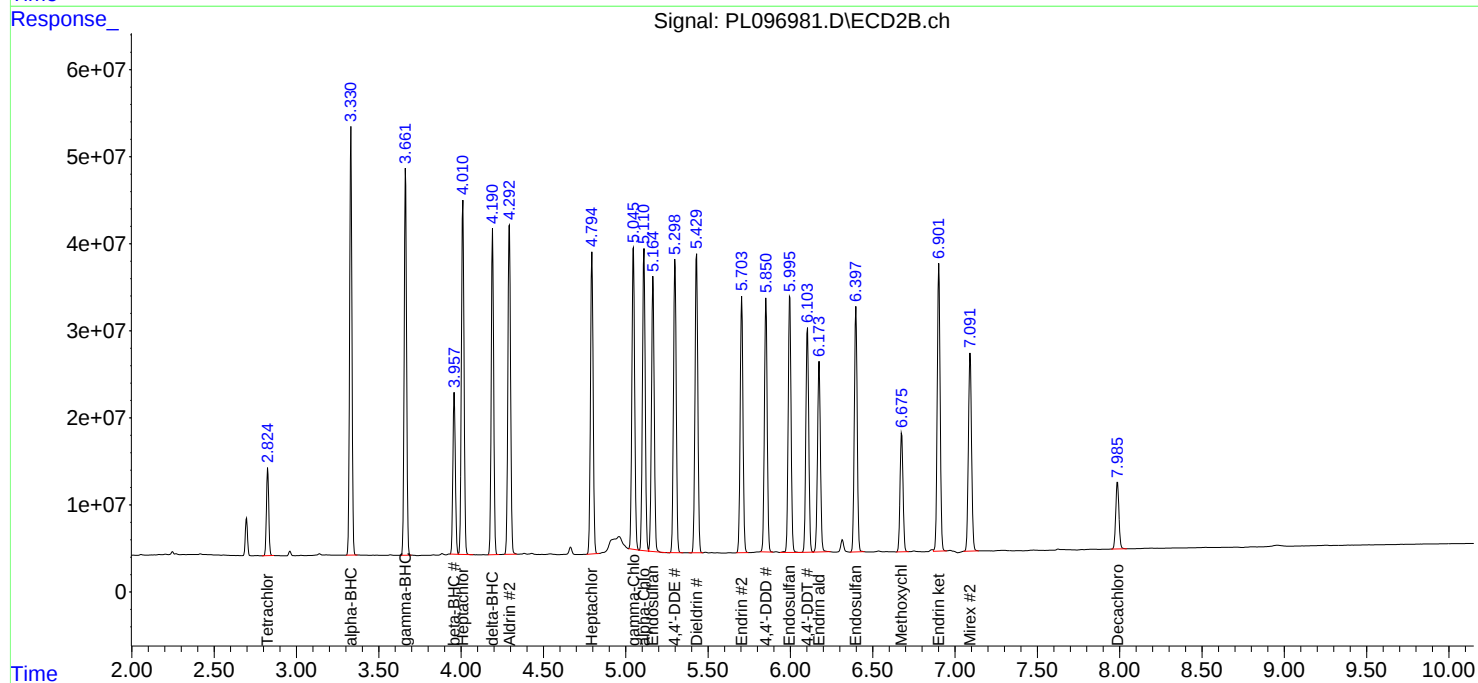
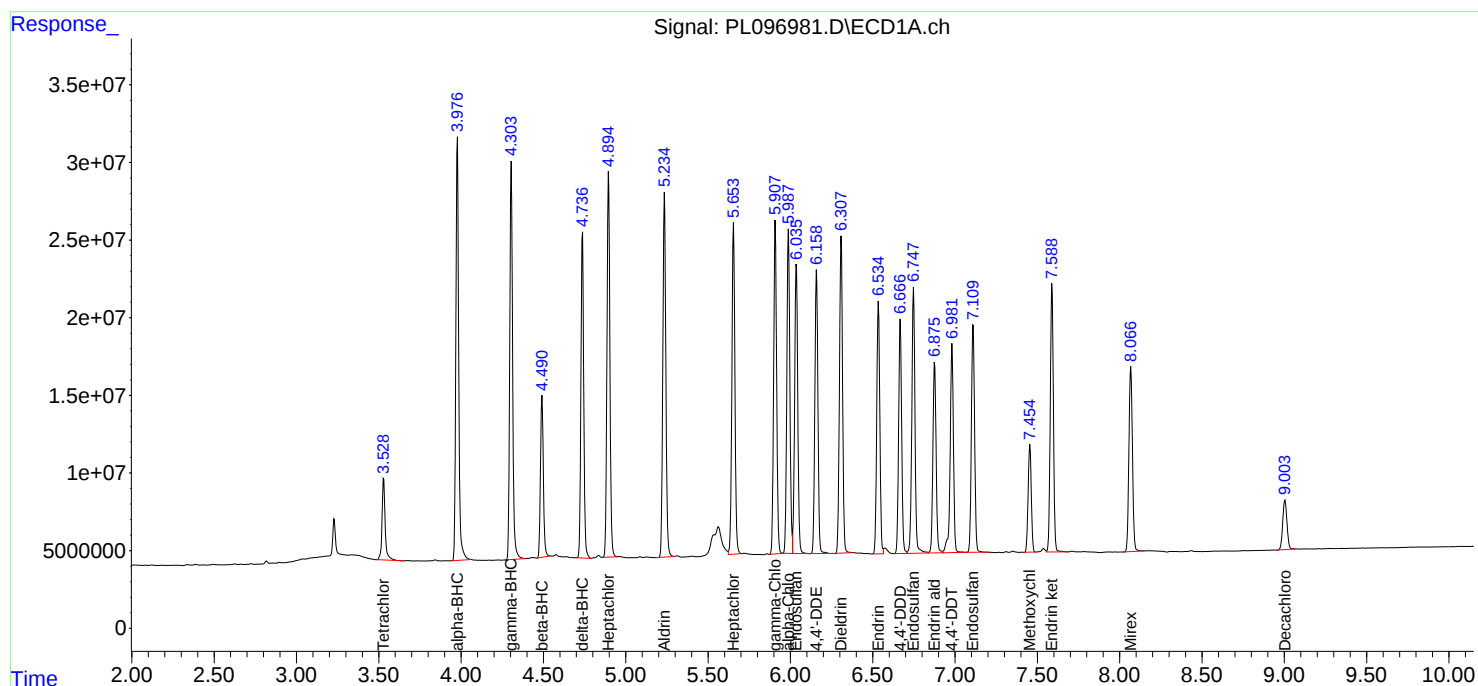
Instrument :
ECD_L
ClientSampleId :
PB169402BSD

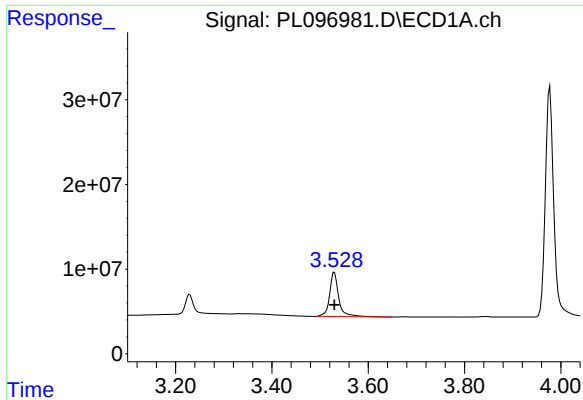
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 08/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 27 01:32:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
Quant Title : GC Extractables
QLast Update : Thu Aug 21 06:34:01 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 x0.25µm





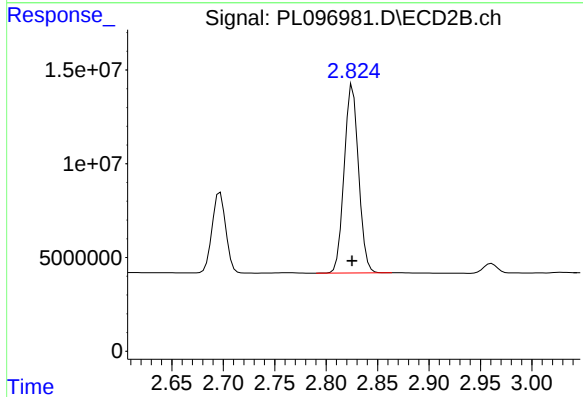
#1 Tetrachloro-m-xylene

R.T.: 3.530 min
Delta R.T.: 0.000 min
Response: 68650536
Conc: 17.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169402BSD

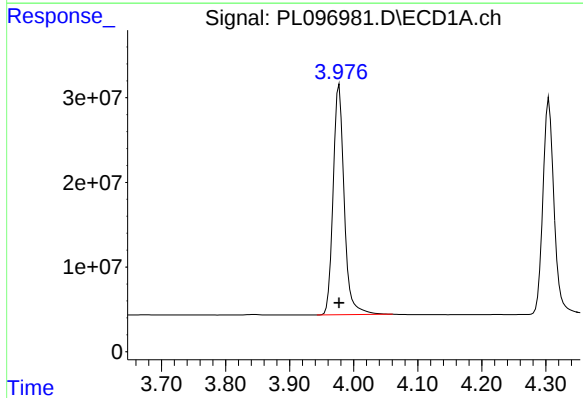
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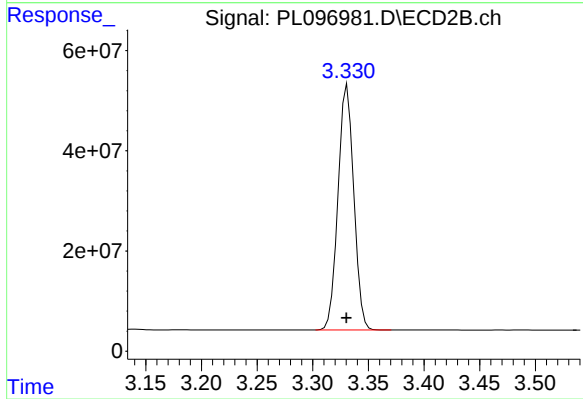
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: 0.000 min
Response: 97877345
Conc: 17.36 ng/ml



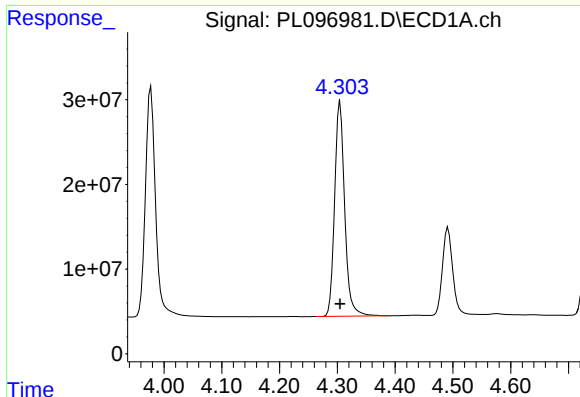
#2 alpha-BHC

R.T.: 3.977 min
Delta R.T.: 0.000 min
Response: 326626973
Conc: 56.37 ng/ml



#2 alpha-BHC

R.T.: 3.331 min
Delta R.T.: 0.000 min
Response: 482143386
Conc: 58.72 ng/ml



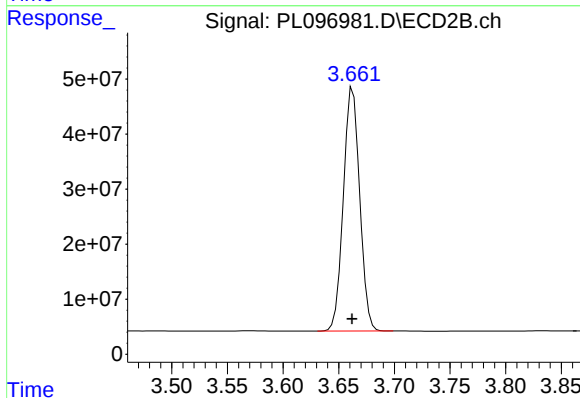
#3 gamma-BHC (Lindane)

R.T.: 4.305 min
Delta R.T.: 0.000 min
Response: 308246925
Conc: 56.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169402BSD

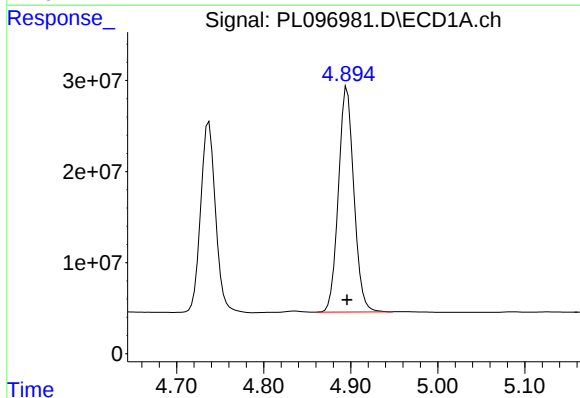
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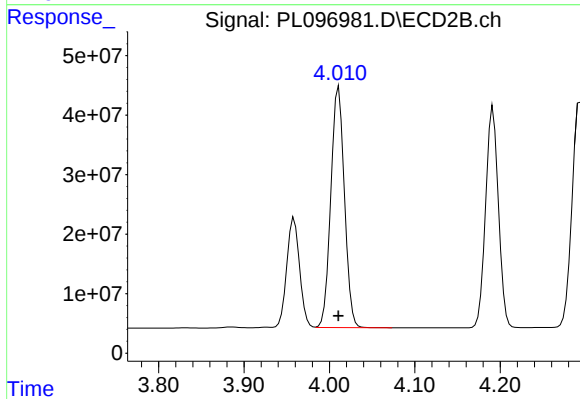
#3 gamma-BHC (Lindane)

R.T.: 3.663 min
Delta R.T.: 0.000 min
Response: 452216507
Conc: 61.39 ng/ml



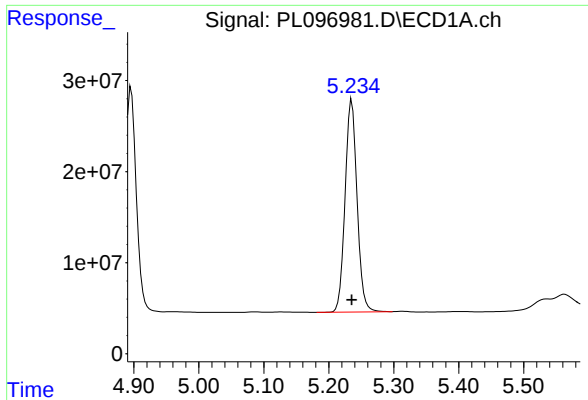
#4 Heptachlor

R.T.: 4.896 min
Delta R.T.: 0.000 min
Response: 305137425
Conc: 57.22 ng/ml



#4 Heptachlor

R.T.: 4.011 min
Delta R.T.: 0.000 min
Response: 447895177
Conc: 59.53 ng/ml



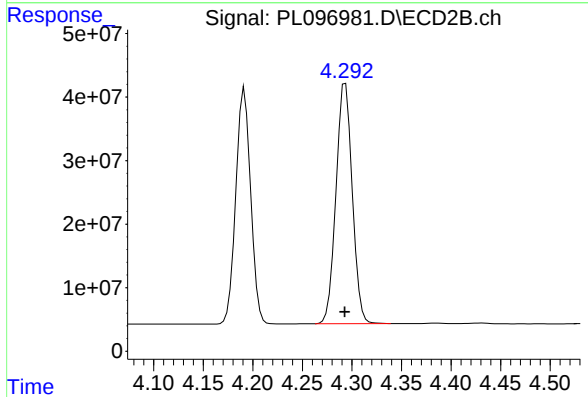
#5 Aldrin

R.T.: 5.235 min
Delta R.T.: 0.000 min
Response: 299280331
Conc: 56.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169402BSD

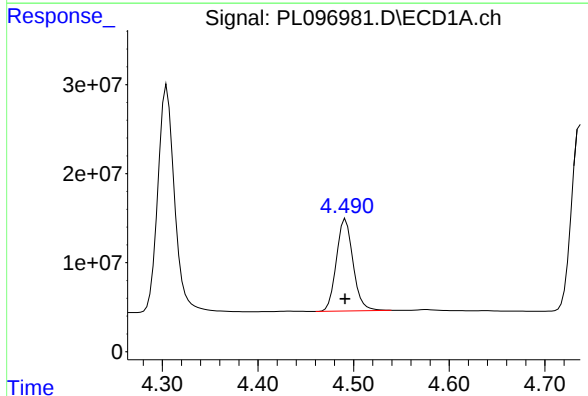
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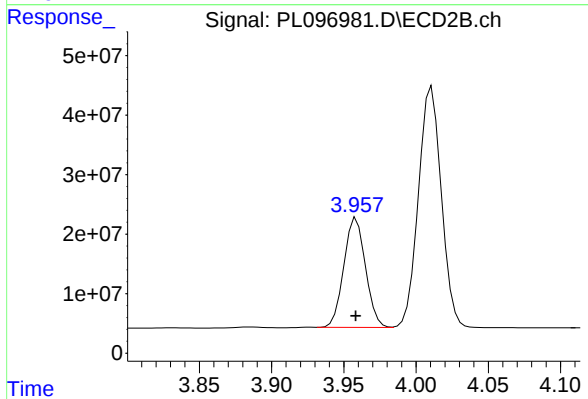
#5 Aldrin

R.T.: 4.293 min
Delta R.T.: 0.000 min
Response: 431885315
Conc: 61.41 ng/ml



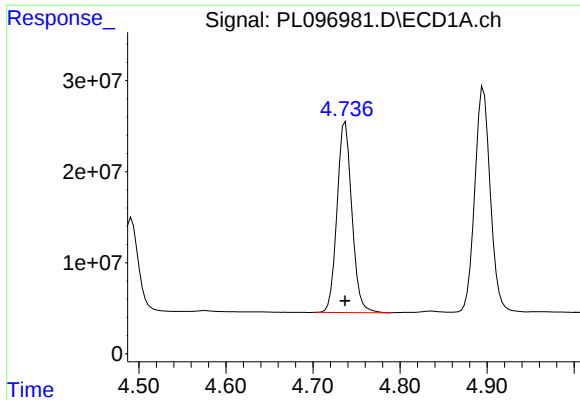
#6 beta-BHC

R.T.: 4.492 min
Delta R.T.: 0.000 min
Response: 125355780
Conc: 54.81 ng/ml



#6 beta-BHC

R.T.: 3.959 min
Delta R.T.: 0.000 min
Response: 191244260
Conc: 58.62 ng/ml



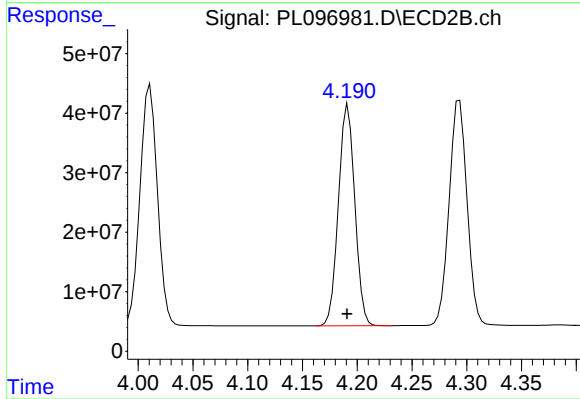
#7 delta-BHC

R.T.: 4.737 min
Delta R.T.: 0.000 min
Response: 248739052
Conc: 55.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169402BSD

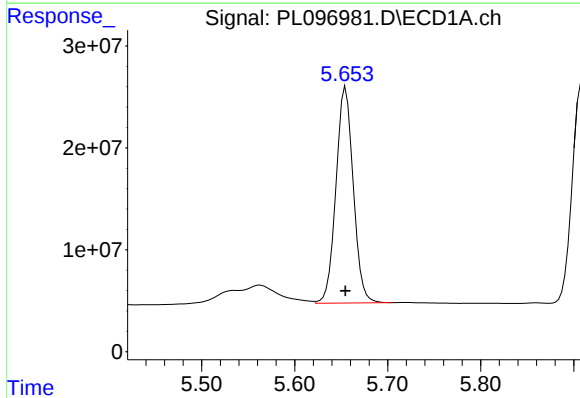
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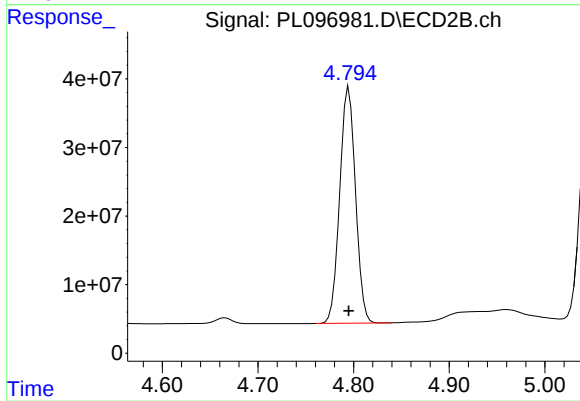
#7 delta-BHC

R.T.: 4.192 min
Delta R.T.: 0.000 min
Response: 386649710
Conc: 52.61 ng/ml



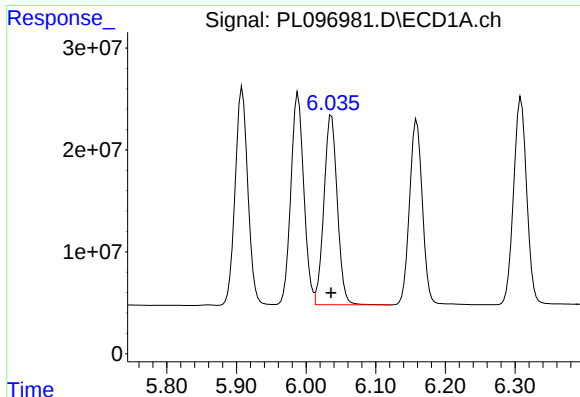
#8 Heptachlor epoxide

R.T.: 5.655 min
Delta R.T.: 0.000 min
Response: 274684525
Conc: 53.38 ng/ml



#8 Heptachlor epoxide

R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 395668872
Conc: 62.56 ng/ml



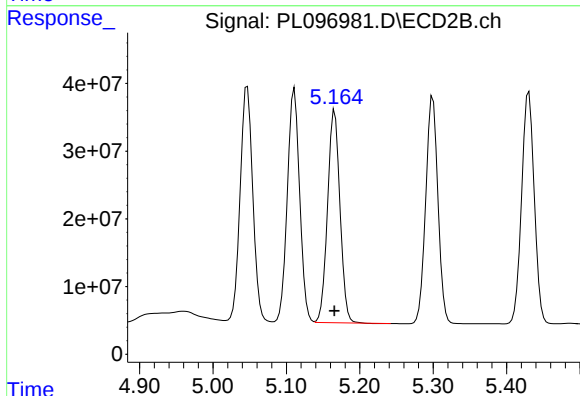
#9 Endosulfan I

R.T.: 6.036 min
Delta R.T.: 0.000 min
Response: 248776358
Conc: 57.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169402BSD

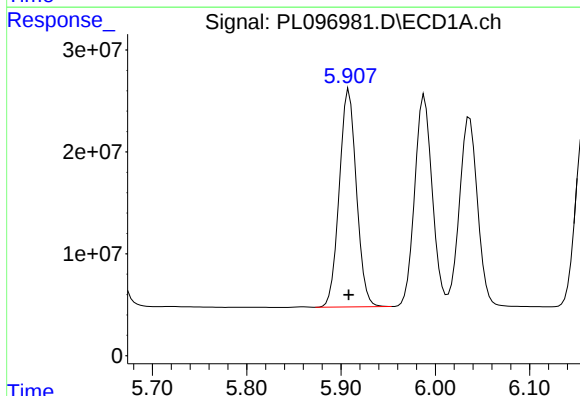
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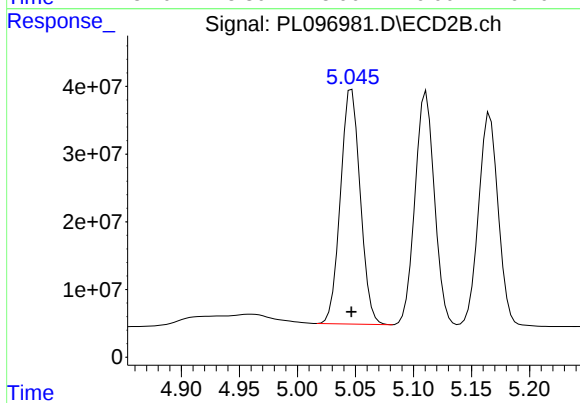
#9 Endosulfan I

R.T.: 5.166 min
Delta R.T.: 0.000 min
Response: 368492585
Conc: 61.50 ng/ml



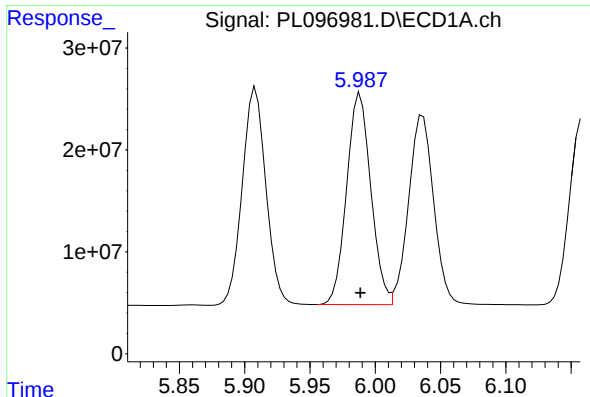
#10 gamma-Chlordane

R.T.: 5.907 min
Delta R.T.: 0.000 min
Response: 269858419
Conc: 58.60 ng/ml m



#10 gamma-Chlordane

R.T.: 5.047 min
Delta R.T.: 0.000 min
Response: 411322220
Conc: 62.22 ng/ml



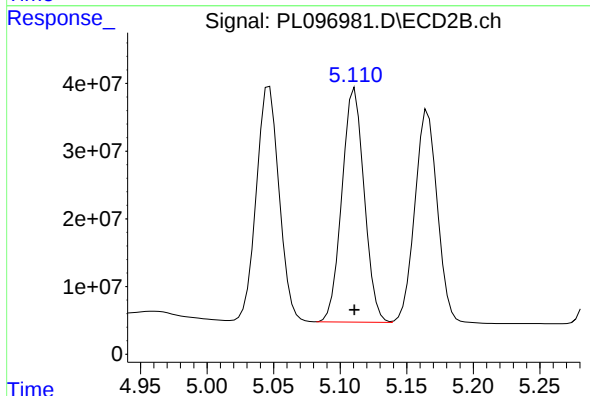
#11 alpha-Chlordane

R.T.: 5.988 min
Delta R.T.: 0.000 min
Response: 267891622
Conc: 56.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169402BSD

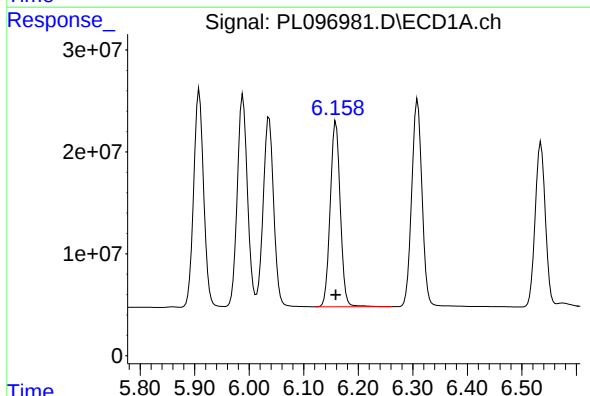
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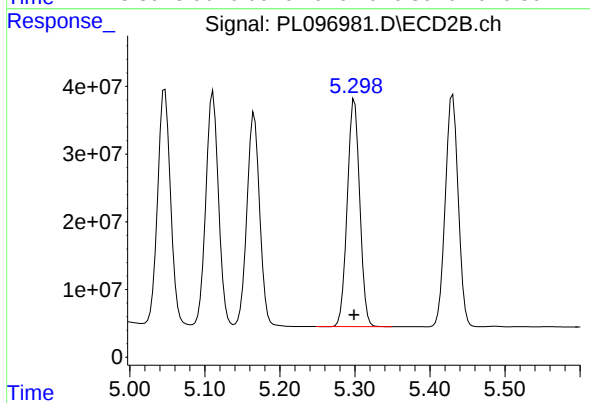
#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: 0.000 min
Response: 401858043
Conc: 61.54 ng/ml



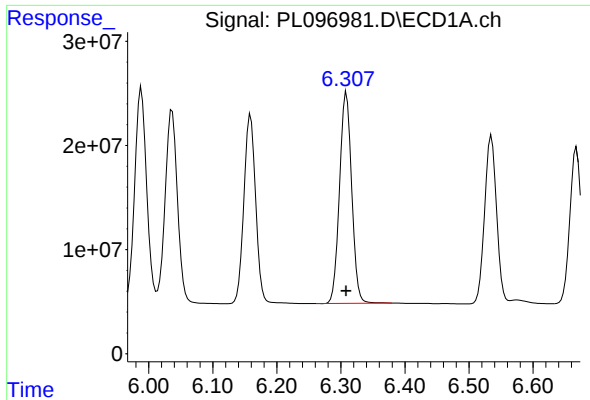
#12 4,4'-DDE

R.T.: 6.159 min
Delta R.T.: 0.000 min
Response: 233059064
Conc: 58.41 ng/ml



#12 4,4'-DDE

R.T.: 5.299 min
Delta R.T.: 0.000 min
Response: 388018268
Conc: 63.04 ng/ml



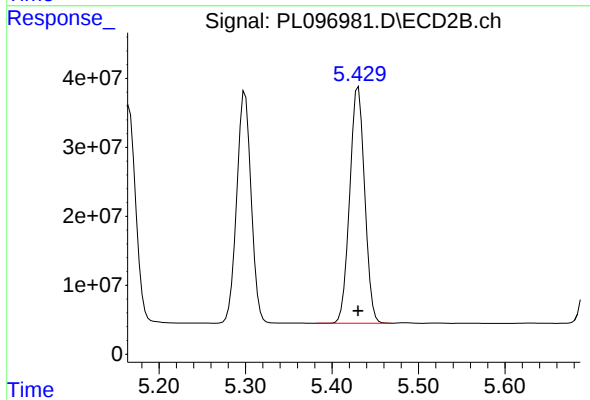
#13 Dieldrin

R.T.: 6.309 min
Delta R.T.: 0.000 min
Response: 266602641
Conc: 58.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169402BSD

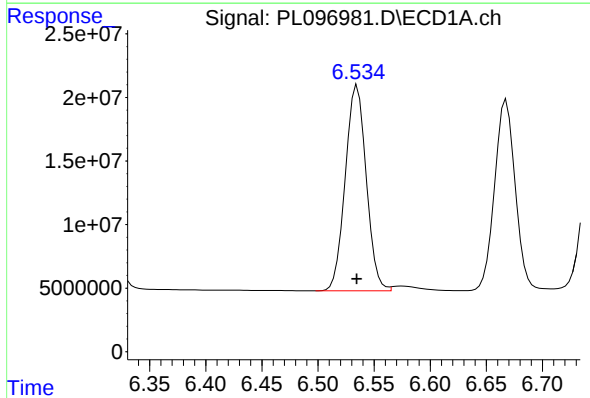
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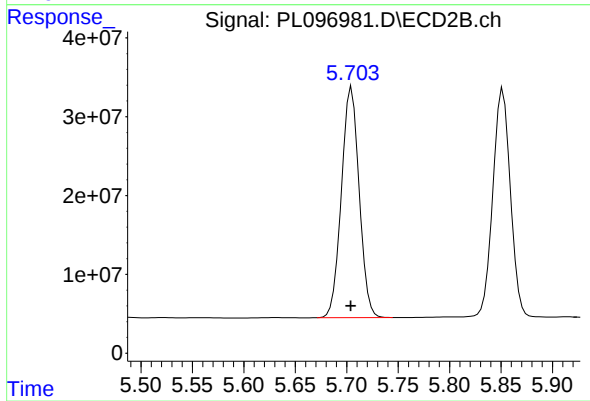
#13 Dieldrin

R.T.: 5.430 min
Delta R.T.: 0.000 min
Response: 410396358
Conc: 62.63 ng/ml



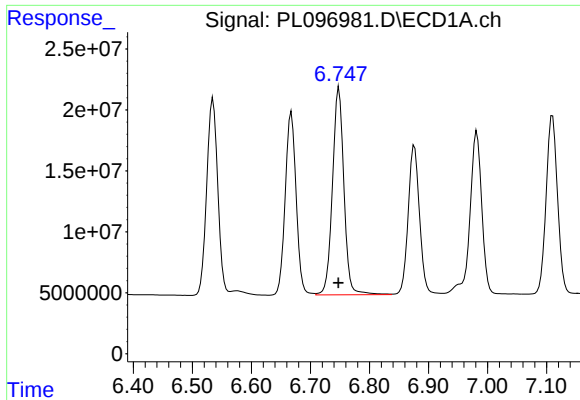
#14 Endrin

R.T.: 6.535 min
Delta R.T.: 0.000 min
Response: 210301543
Conc: 56.16 ng/ml



#14 Endrin

R.T.: 5.705 min
Delta R.T.: 0.000 min
Response: 351080620
Conc: 59.43 ng/ml



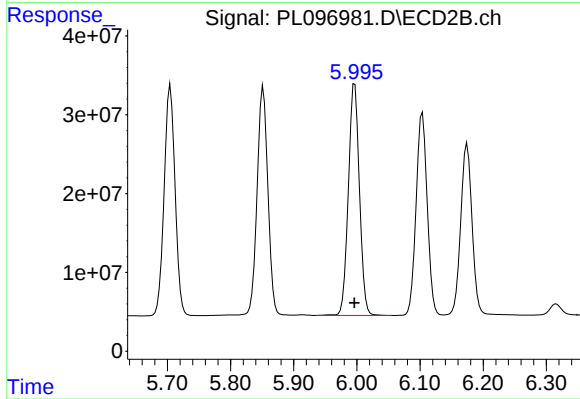
#15 Endosulfan II

R.T.: 6.748 min
Delta R.T.: 0.000 min
Response: 230528740
Conc: 52.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169402BSD

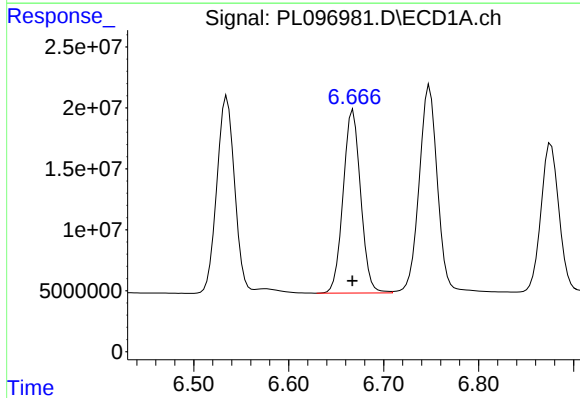
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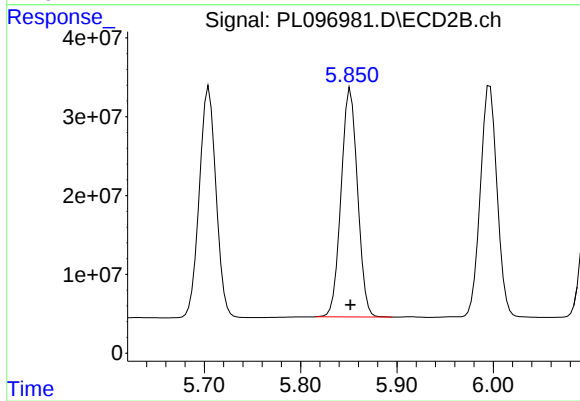
#15 Endosulfan II

R.T.: 5.997 min
Delta R.T.: 0.000 min
Response: 358437970
Conc: 62.68 ng/ml



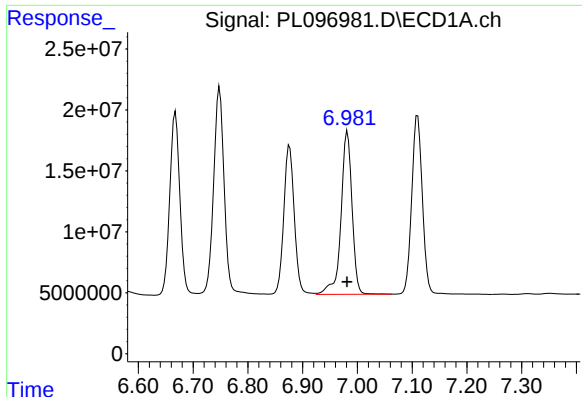
#16 4,4'-DDD

R.T.: 6.668 min
Delta R.T.: 0.000 min
Response: 192522361
Conc: 61.01 ng/ml



#16 4,4'-DDD

R.T.: 5.852 min
Delta R.T.: 0.000 min
Response: 343220314
Conc: 65.72 ng/ml



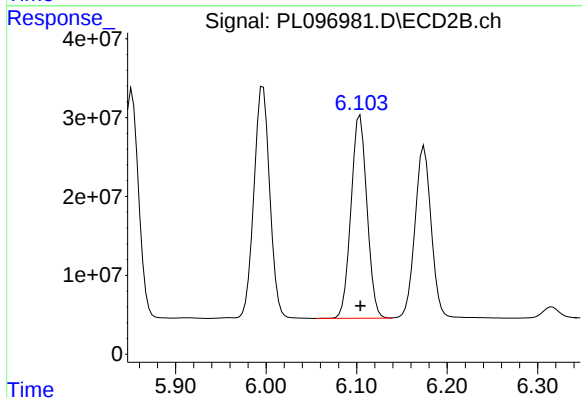
#17 4,4'-DDT

R.T.: 6.982 min
Delta R.T.: 0.000 min
Response: 187406317
Conc: 53.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169402BSD

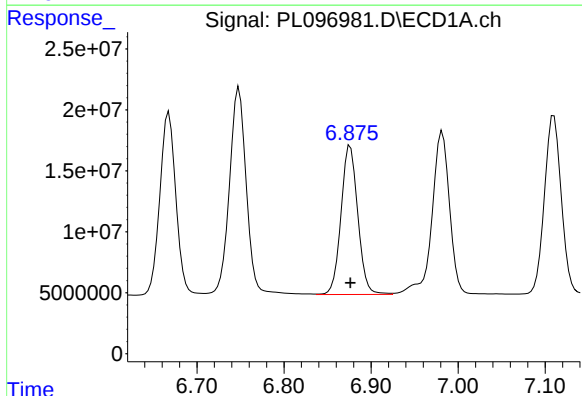
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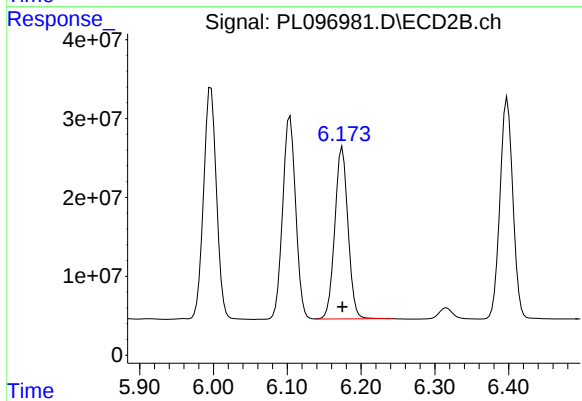
#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: 0.000 min
Response: 315043771
Conc: 57.52 ng/ml



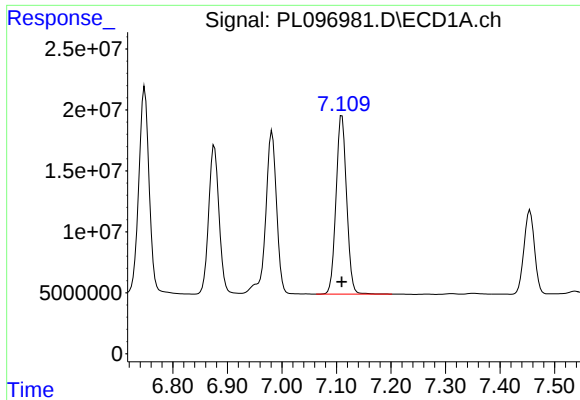
#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: 0.000 min
Response: 163753192
Conc: 62.95 ng/ml



#18 Endrin aldehyde

R.T.: 6.175 min
Delta R.T.: 0.000 min
Response: 270983768
Conc: 66.70 ng/ml



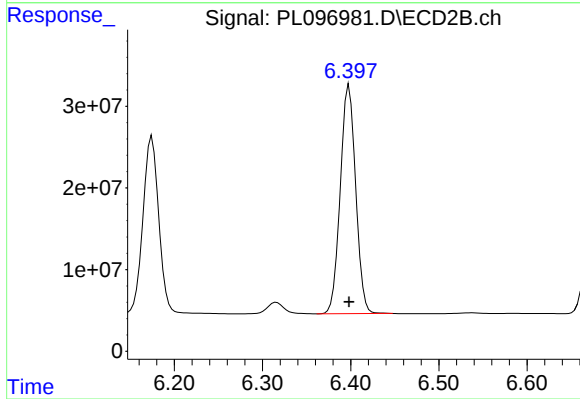
#19 Endosulfan Sulfate

R.T.: 7.110 min
Delta R.T.: 0.000 min
Response: 197754926
Conc: 57.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169402BSD

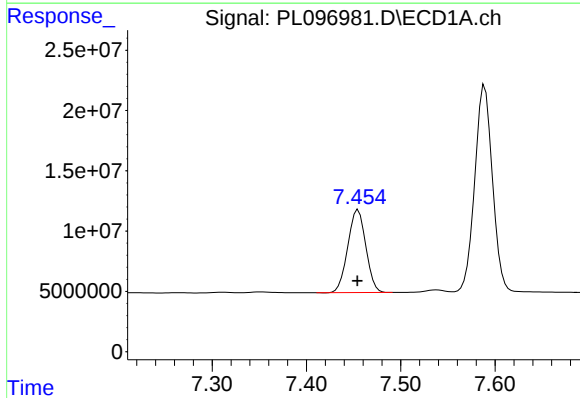
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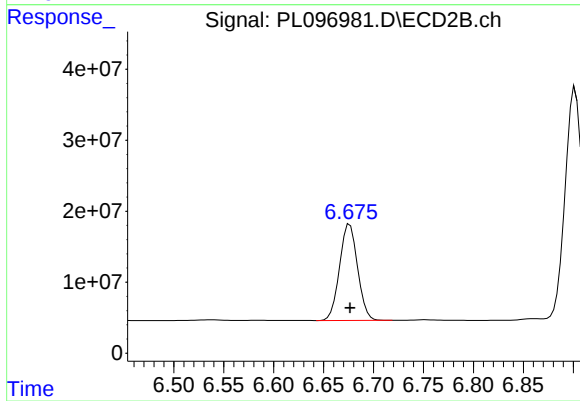
#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: 0.000 min
Response: 339513046
Conc: 60.60 ng/ml



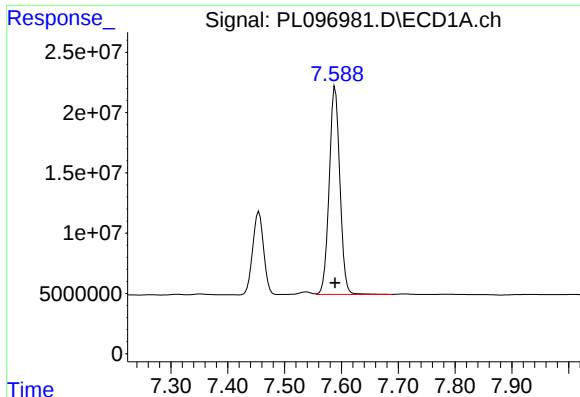
#20 Methoxychlor

R.T.: 7.455 min
Delta R.T.: 0.000 min
Response: 91585624
Conc: 52.77 ng/ml



#20 Methoxychlor

R.T.: 6.676 min
Delta R.T.: 0.000 min
Response: 170631080
Conc: 56.88 ng/ml



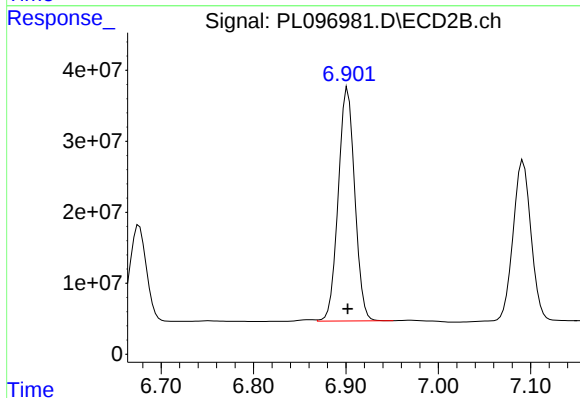
#21 Endrin ketone

R.T.: 7.589 min
Delta R.T.: 0.000 min
Response: 225677430
Conc: 63.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169402BSD

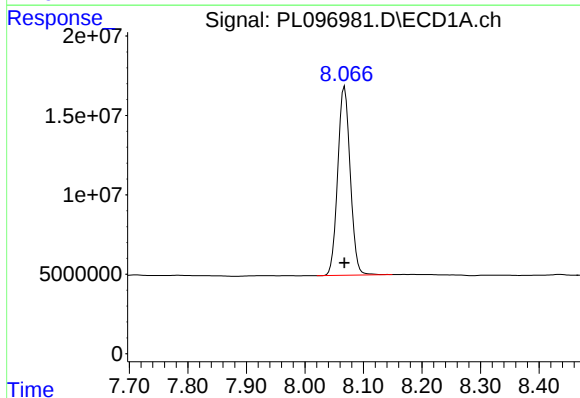
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/27/2025
Supervised By :mohammad ahmed 08/28/2025



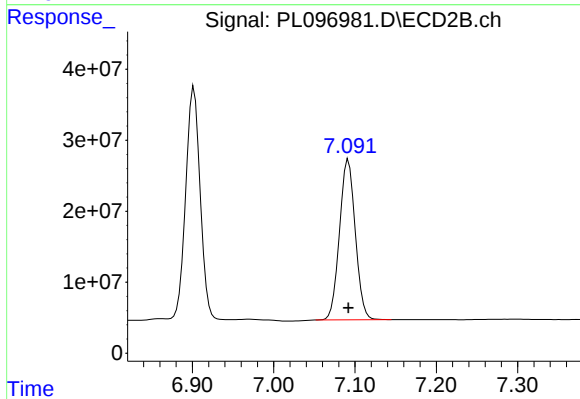
#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: 0.000 min
Response: 407788980
Conc: 65.15 ng/ml



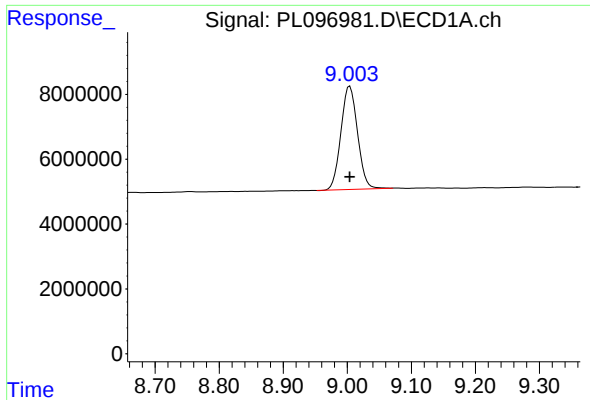
#22 Mirex

R.T.: 8.068 min
Delta R.T.: 0.000 min
Response: 176257556
Conc: 58.91 ng/ml



#22 Mirex

R.T.: 7.092 min
Delta R.T.: 0.000 min
Response: 304762460
Conc: 62.75 ng/ml



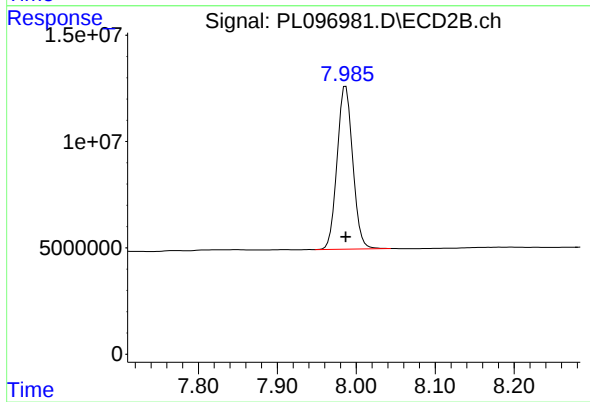
#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: 0.000 min
Response: 57403463
Conc: 19.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169402BSD

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: 0.000 min
Response: 105317384
Conc: 21.96 ng/ml