

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101325\
 Data File : PL097620.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Oct 2025 14:33
 Operator : AR\AJ
 Sample : Q3326-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TP-1MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/14/2025
 Supervised By :mohammad ahmed 10/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 14 02:23:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 16:47:00 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...	3.524	2.824	64713255	97152626	15.874m	15.962
28)	SA Decachlor...	8.996	7.981	48833950	73615889	16.422	14.187
Target Compounds							
2)	A alpha-BHC	3.972	3.328	332.2E6	481.0E6	49.241	48.750
3)	MA gamma-BHC...	4.300	3.660	311.4E6	443.7E6	48.993	48.298
4)	MA Heptachlor	4.890	4.007	308.1E6	414.9E6	47.757	45.138
5)	MB Aldrin	5.229	4.289	293.6E6	417.0E6	48.826	48.089
6)	B beta-BHC	4.487	3.956	129.8E6	183.4E6	50.202	46.096
7)	B delta-BHC	4.733	4.188	307.5E6	433.4E6	50.636	47.973
8)	B Heptachlo...	5.648	4.791	275.1E6	370.9E6	47.252	46.966
9)	A Endosulfan I	6.030	5.161	241.5E6	344.3E6	48.585	46.683
10)	B gamma-Chl...	5.902	5.043	265.2E6	401.6E6	48.857	46.201
11)	B alpha-Chl...	5.982	5.107	263.9E6	387.1E6	48.632	46.486
12)	B 4,4'-DDE	6.153	5.295	235.8E6	357.5E6	50.639	47.088
13)	MA Dieldrin	6.302	5.426	263.1E6	395.4E6	50.015	47.824
14)	MA Endrin	6.529	5.700	207.7E6	318.2E6	46.417	42.995
15)	B Endosulfa...	6.742	5.992	229.0E6	329.1E6	46.801	47.662
16)	A 4,4'-DDD	6.662	5.848	212.2E6	303.5E6	56.234	47.572
17)	MA 4,4'-DDT	6.976	6.100	178.5E6	264.8E6	44.032	39.741
18)	B Endrin al...	6.870	6.171	159.2E6	240.5E6	48.597m	41.766
19)	B Endosulfa...	7.104	6.394	192.6E6	294.7E6	48.035	44.260
20)	A Methoxychlor	7.449	6.671	87431249	140.3E6	41.853	38.490
21)	B Endrin ke...	7.584	6.898	212.3E6	337.4E6	49.593	42.704
22)	Mirex	8.062	7.087	137.8E6	221.5E6	44.335	41.397

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

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Acq On : 13 Oct 2025 14:33
Operator : AR\AJ
Sample : Q3326-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

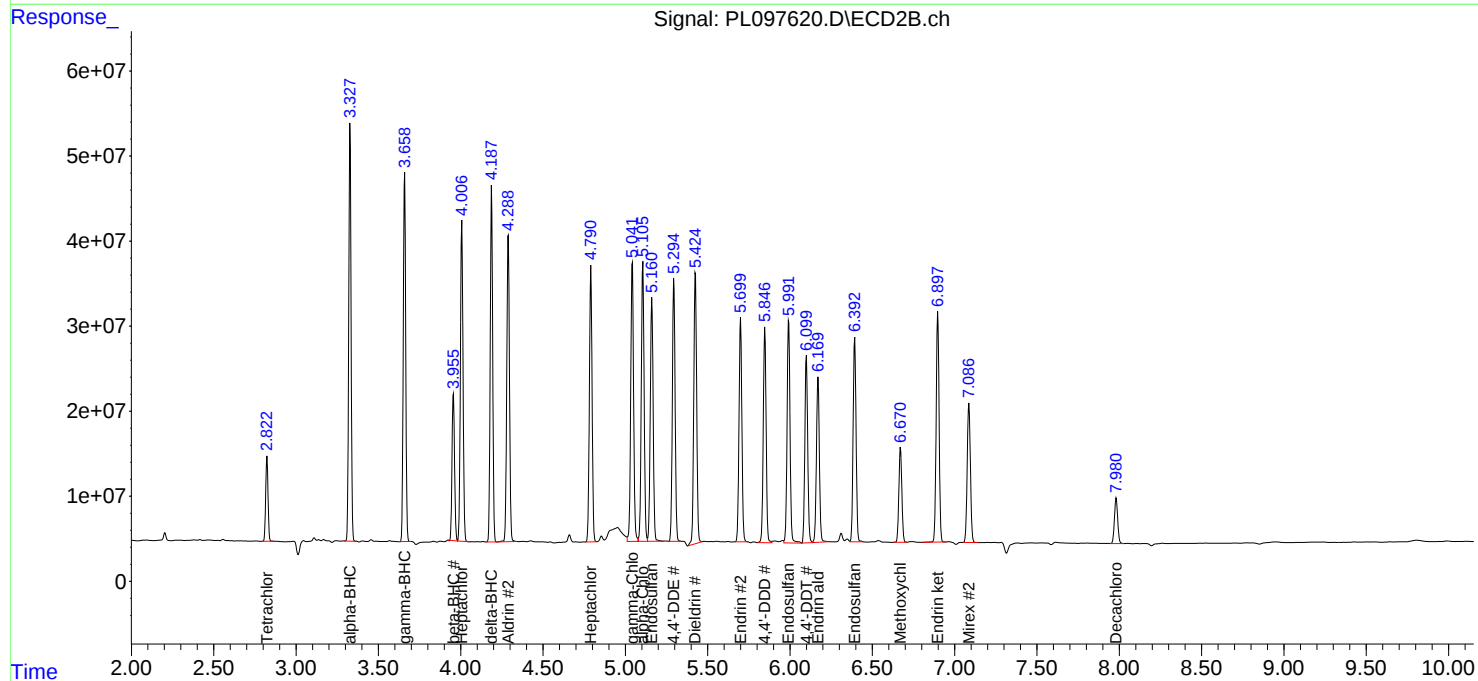
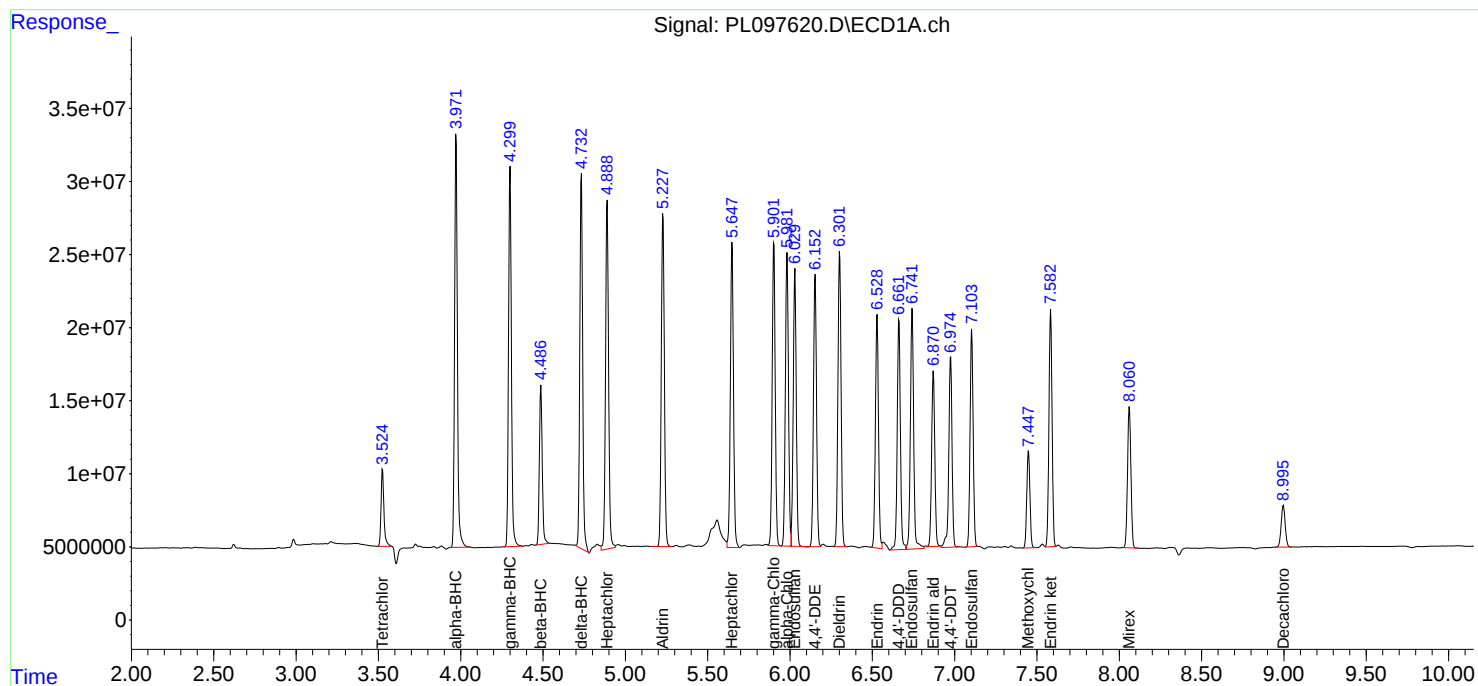
Instrument :
ECD_L
ClientSampleId :
TP-1MSD

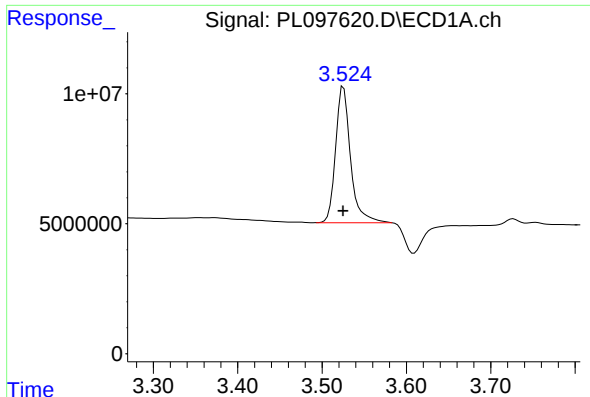
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Integration File signal 1: autoint1.e
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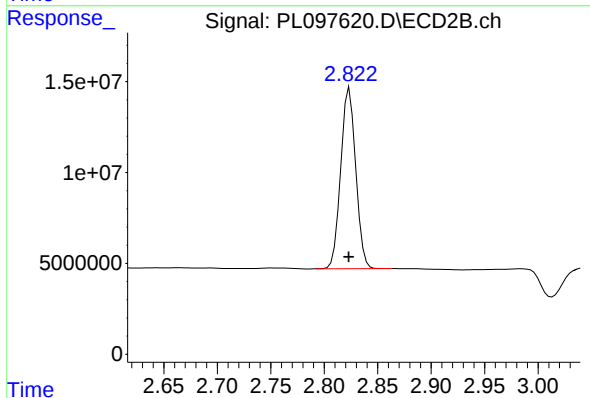
#1 Tetrachloro-m-xylene

R.T.: 3.524 min
Delta R.T.: 0.000 min
Response: 64713255
Conc: 15.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-1MSD

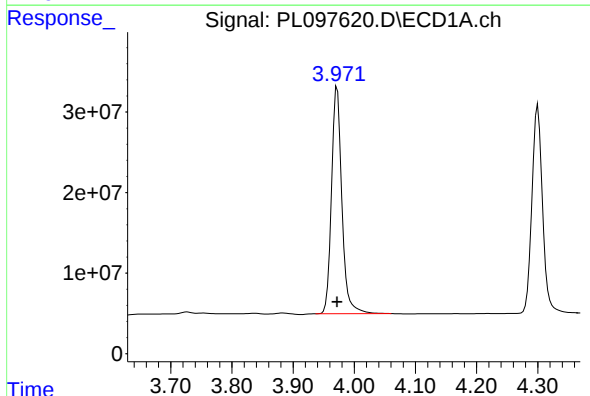
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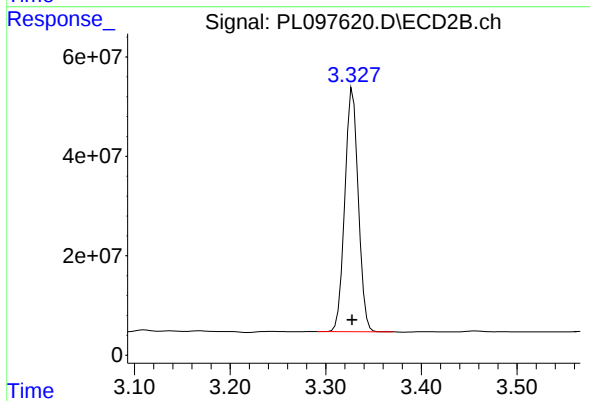
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 97152626
Conc: 15.96 ng/ml



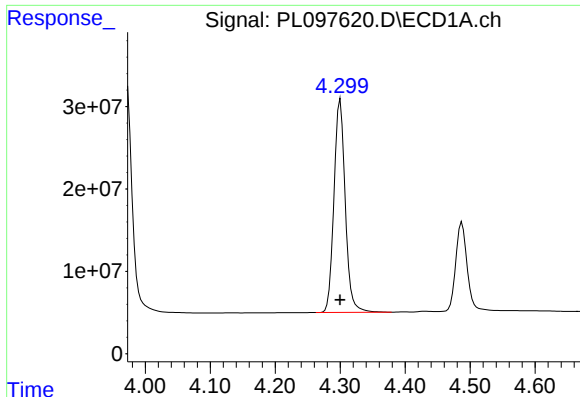
#2 alpha-BHC

R.T.: 3.972 min
Delta R.T.: 0.000 min
Response: 332162622
Conc: 49.24 ng/ml



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: 0.000 min
Response: 481012979
Conc: 48.75 ng/ml



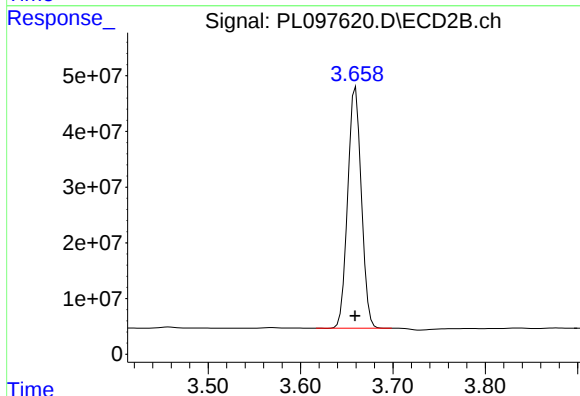
#3 gamma-BHC (Lindane)

R.T.: 4.300 min
Delta R.T.: 0.000 min
Response: 311415658
Conc: 48.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-1MSD

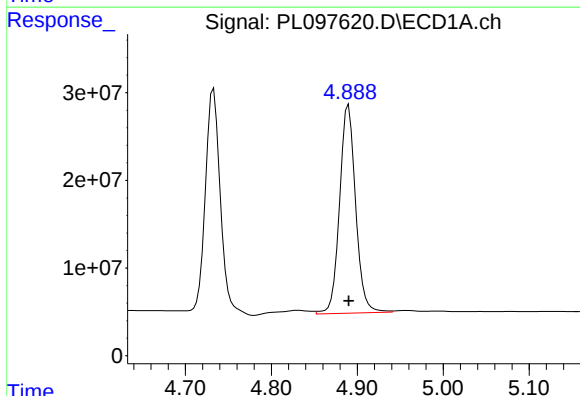
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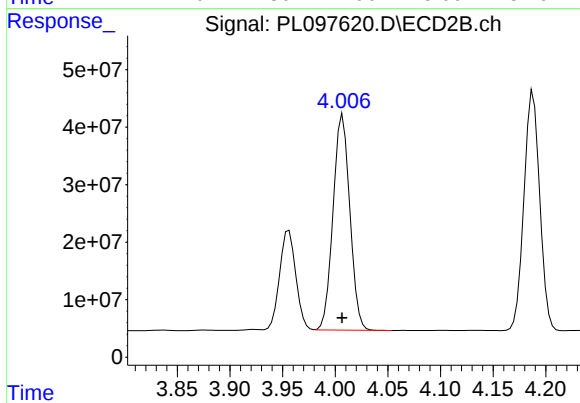
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 443725926
Conc: 48.30 ng/ml



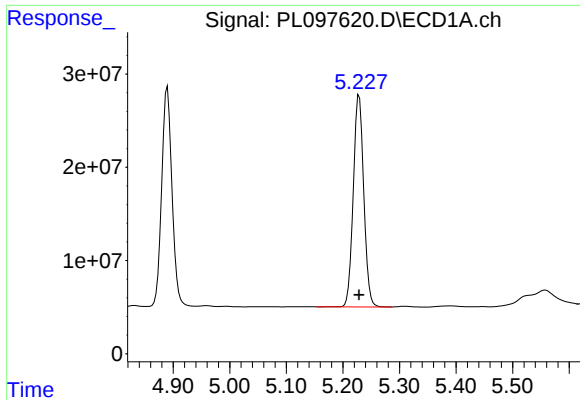
#4 Heptachlor

R.T.: 4.890 min
Delta R.T.: 0.000 min
Response: 308068061
Conc: 47.76 ng/ml



#4 Heptachlor

R.T.: 4.007 min
Delta R.T.: 0.000 min
Response: 414921727
Conc: 45.14 ng/ml



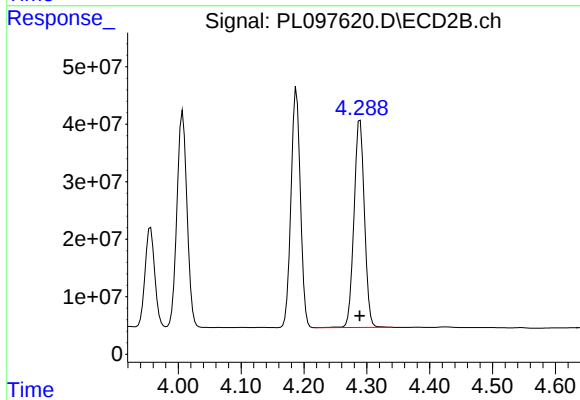
#5 Aldrin

R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 293574689
Conc: 48.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-1MSD

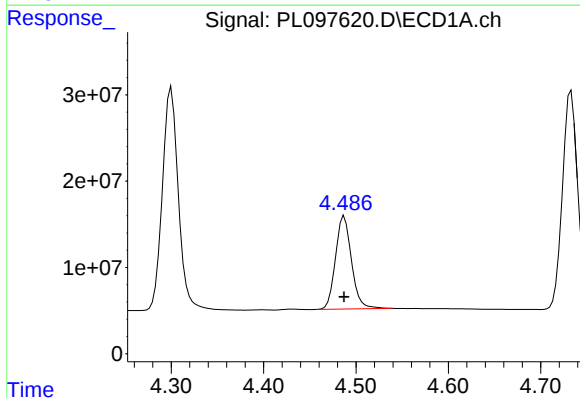
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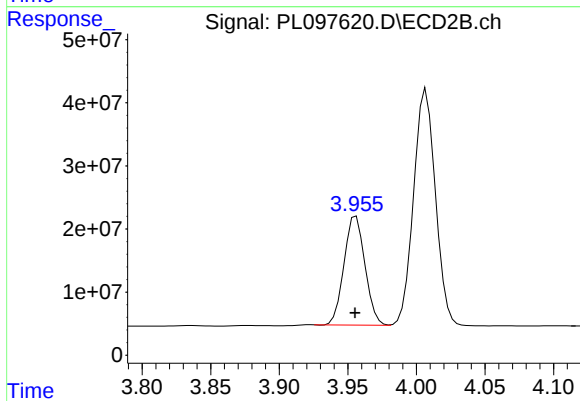
#5 Aldrin

R.T.: 4.289 min
Delta R.T.: 0.000 min
Response: 417016778
Conc: 48.09 ng/ml



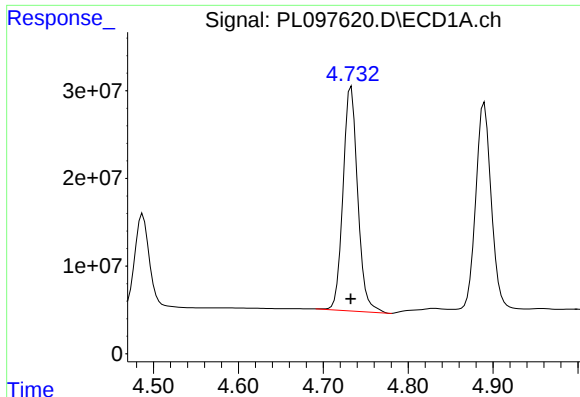
#6 beta-BHC

R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 129795339
Conc: 50.20 ng/ml



#6 beta-BHC

R.T.: 3.956 min
Delta R.T.: 0.000 min
Response: 183375060
Conc: 46.10 ng/ml



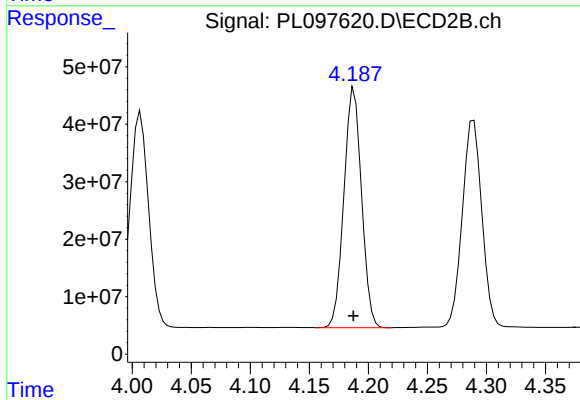
#7 delta-BHC

R.T.: 4.733 min
Delta R.T.: 0.000 min
Response: 307490692
Conc: 50.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-1MSD

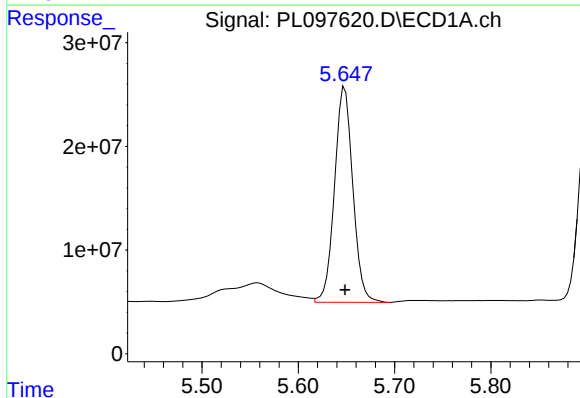
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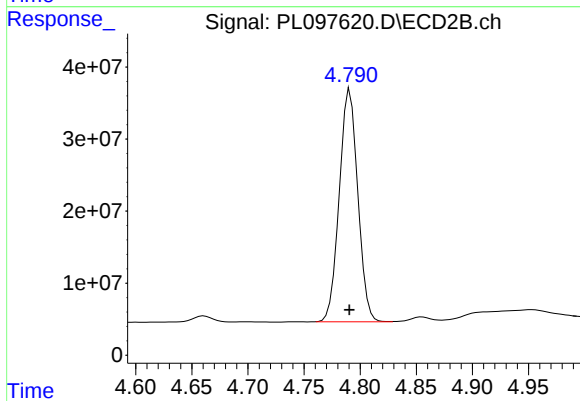
#7 delta-BHC

R.T.: 4.188 min
Delta R.T.: 0.000 min
Response: 433383399
Conc: 47.97 ng/ml



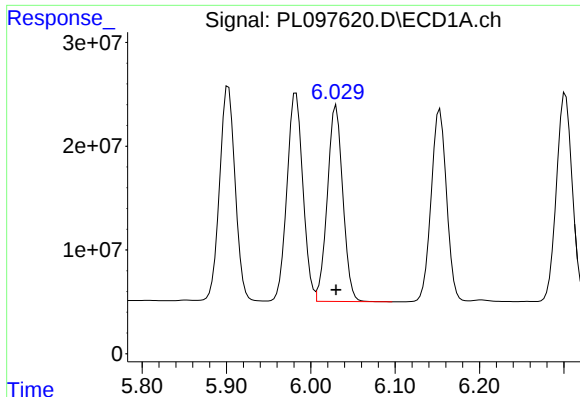
#8 Heptachlor epoxide

R.T.: 5.648 min
Delta R.T.: 0.000 min
Response: 275110226
Conc: 47.25 ng/ml



#8 Heptachlor epoxide

R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 370934531
Conc: 46.97 ng/ml



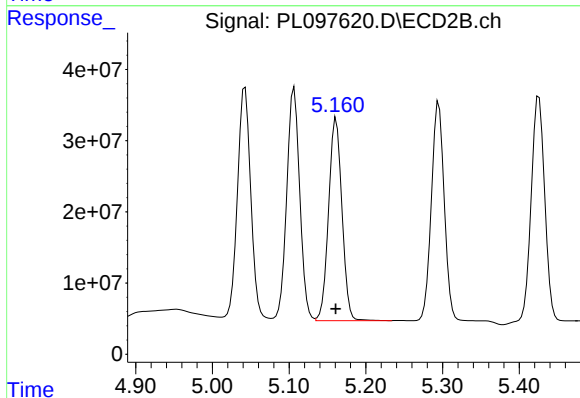
#9 Endosulfan I

R.T.: 6.030 min
Delta R.T.: 0.000 min
Response: 241538816
Conc: 48.59 ng/ml

Instrument :
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ClientSampleId :
TP-1MSD

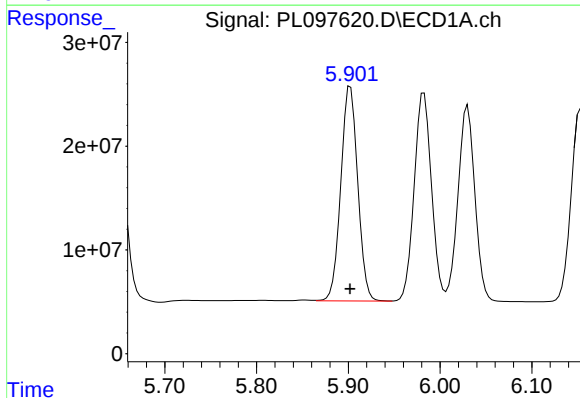
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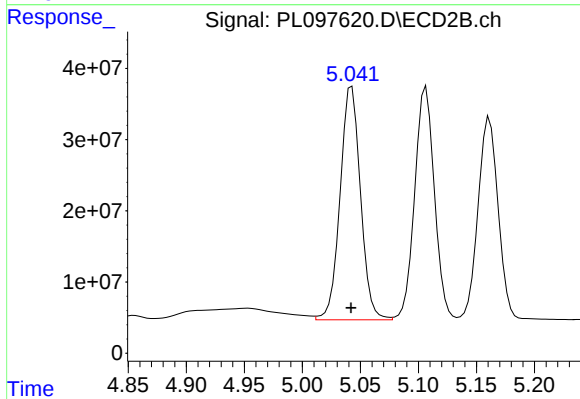
#9 Endosulfan I

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 344254540
Conc: 46.68 ng/ml



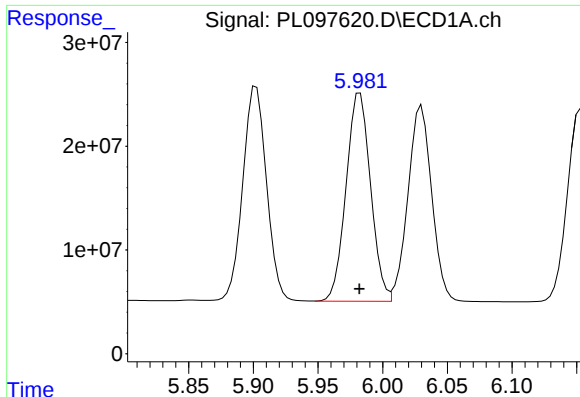
#10 gamma-Chlordane

R.T.: 5.902 min
Delta R.T.: 0.000 min
Response: 265167522
Conc: 48.86 ng/ml



#10 gamma-Chlordane

R.T.: 5.043 min
Delta R.T.: 0.000 min
Response: 401637337
Conc: 46.20 ng/ml



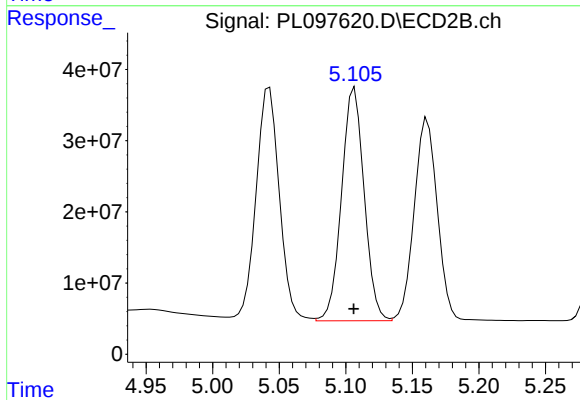
#11 alpha-Chlordane

R.T.: 5.982 min
Delta R.T.: 0.000 min
Response: 263900683
Conc: 48.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-1MSD

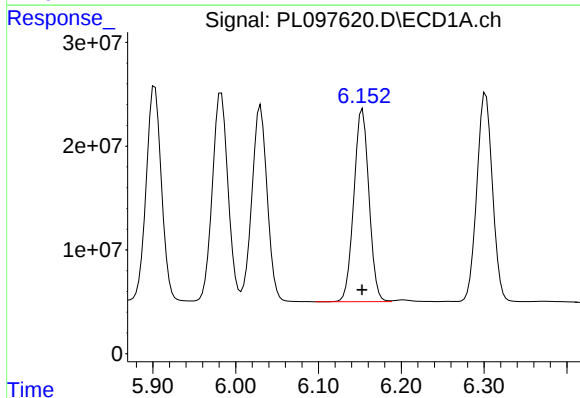
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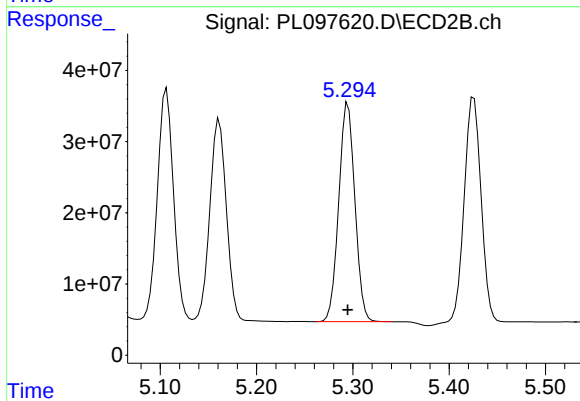
#11 alpha-Chlordane

R.T.: 5.107 min
Delta R.T.: 0.000 min
Response: 387098158
Conc: 46.49 ng/ml



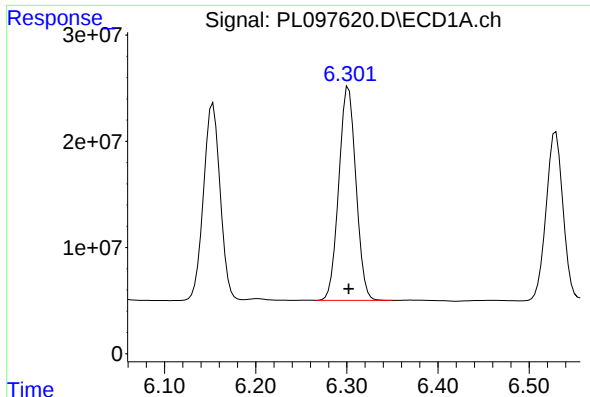
#12 4,4'-DDE

R.T.: 6.153 min
Delta R.T.: 0.000 min
Response: 235837869
Conc: 50.64 ng/ml



#12 4,4'-DDE

R.T.: 5.295 min
Delta R.T.: 0.000 min
Response: 357509987
Conc: 47.09 ng/ml



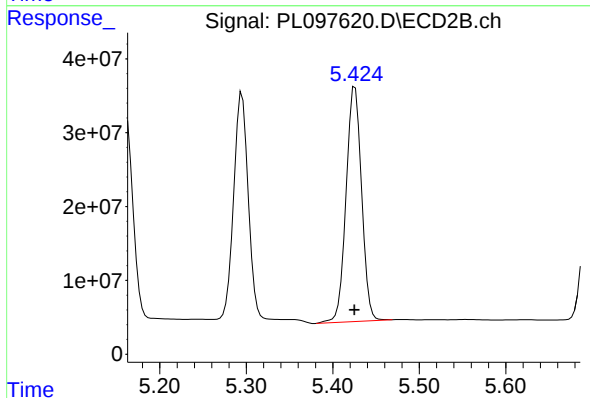
#13 Dieldrin

R.T.: 6.302 min
Delta R.T.: 0.000 min
Response: 263105786
Conc: 50.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-1MSD

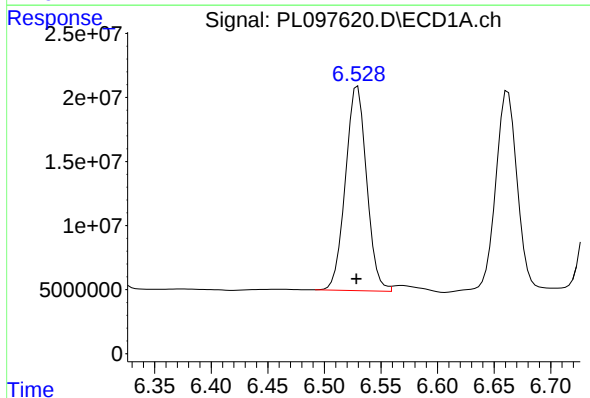
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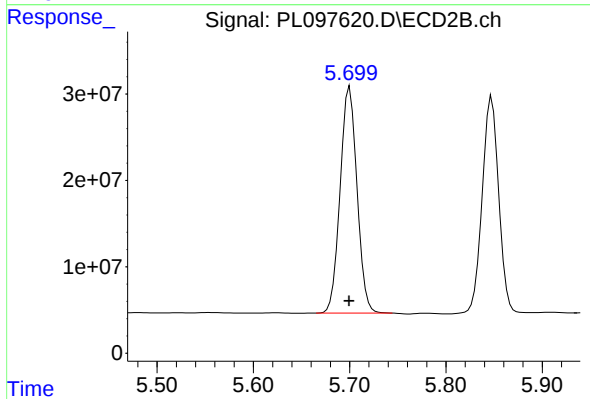
#13 Dieldrin

R.T.: 5.426 min
Delta R.T.: 0.000 min
Response: 395422017
Conc: 47.82 ng/ml



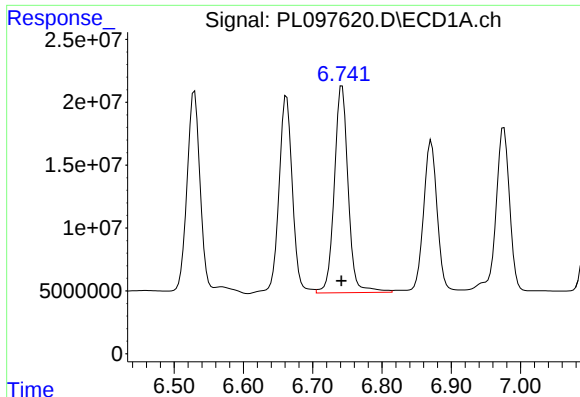
#14 Endrin

R.T.: 6.529 min
Delta R.T.: 0.001 min
Response: 207685179
Conc: 46.42 ng/ml



#14 Endrin

R.T.: 5.700 min
Delta R.T.: 0.000 min
Response: 318223066
Conc: 42.99 ng/ml



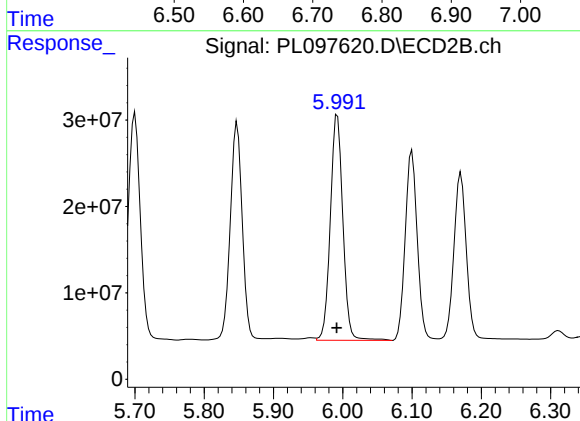
#15 Endosulfan II

R.T.: 6.742 min
Delta R.T.: 0.000 min
Response: 228954318
Conc: 46.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-1MSD

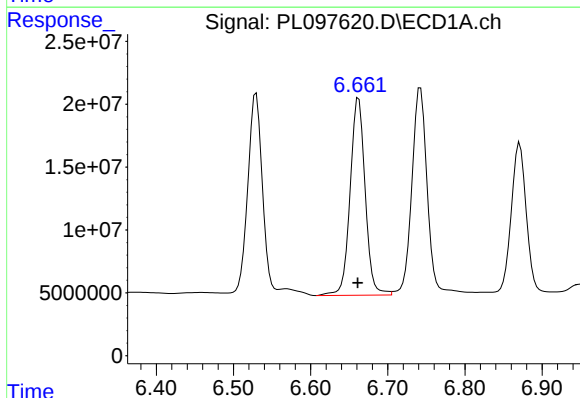
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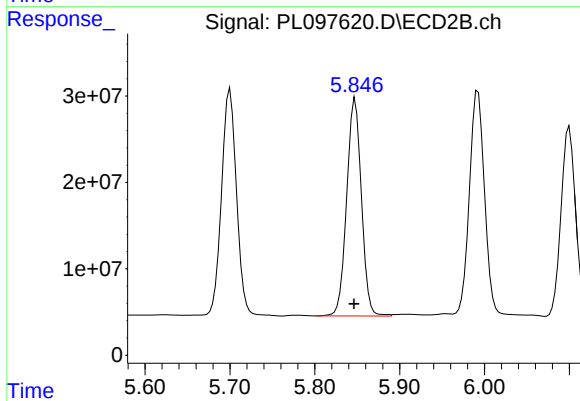
#15 Endosulfan II

R.T.: 5.992 min
Delta R.T.: 0.000 min
Response: 329108477
Conc: 47.66 ng/ml



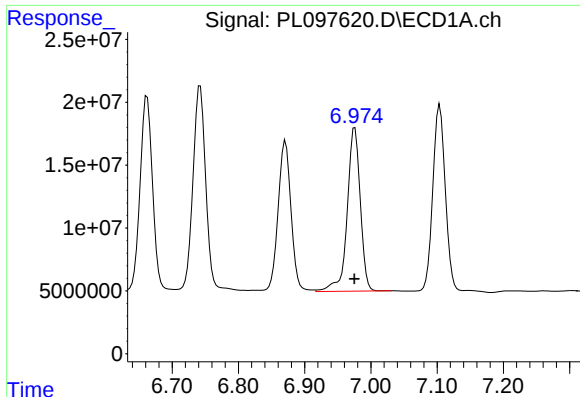
#16 4,4'-DDD

R.T.: 6.662 min
Delta R.T.: 0.001 min
Response: 212199262
Conc: 56.23 ng/ml



#16 4,4'-DDD

R.T.: 5.848 min
Delta R.T.: 0.001 min
Response: 303455274
Conc: 47.57 ng/ml



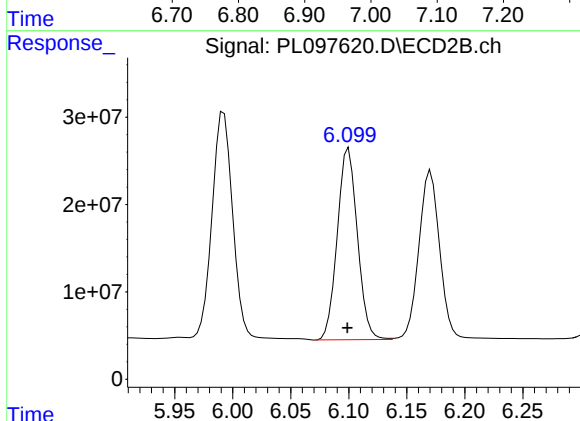
#17 4,4'-DDT

R.T.: 6.976 min
Delta R.T.: 0.000 min
Response: 178535661
Conc: 44.03 ng/ml

Instrument :
ECD_L
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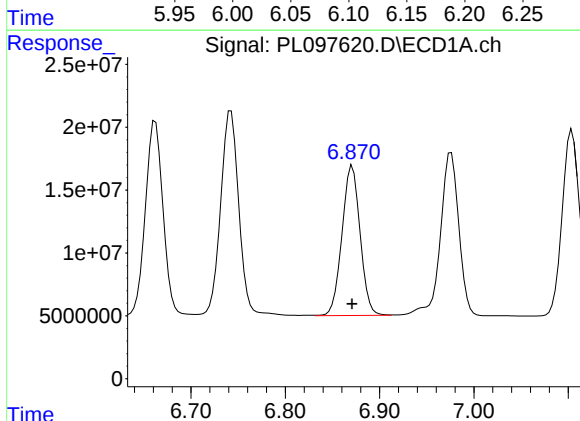
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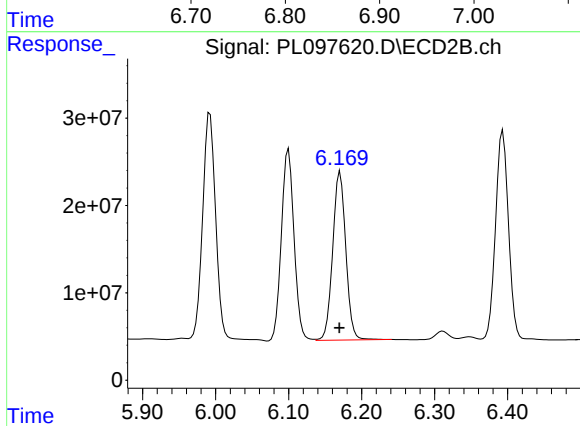
#17 4,4'-DDT

R.T.: 6.100 min
Delta R.T.: 0.001 min
Response: 264811298
Conc: 39.74 ng/ml



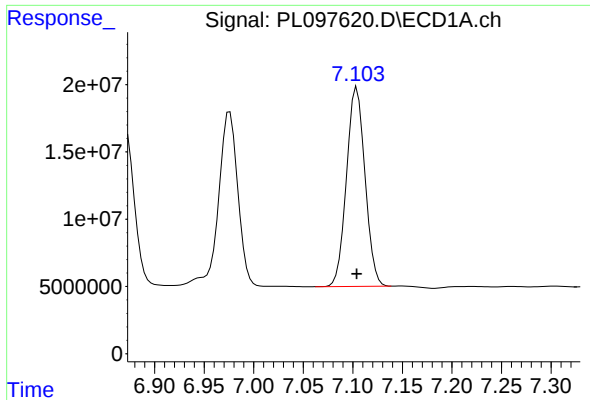
#18 Endrin aldehyde

R.T.: 6.870 min
Delta R.T.: -0.001 min
Response: 159239672
Conc: 48.60 ng/ml m



#18 Endrin aldehyde

R.T.: 6.171 min
Delta R.T.: 0.001 min
Response: 240510097
Conc: 41.77 ng/ml



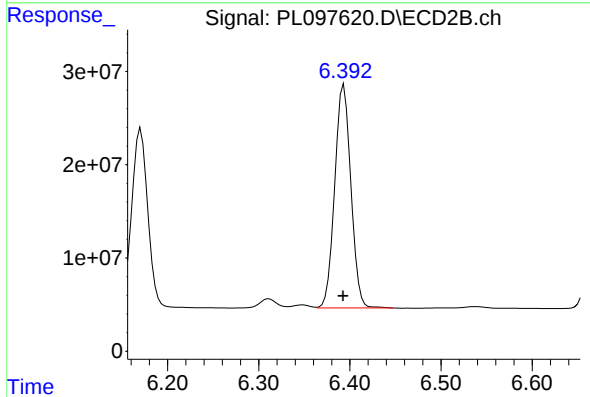
#19 Endosulfan Sulfate

R.T.: 7.104 min
Delta R.T.: 0.000 min
Response: 192615450
Conc: 48.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-1MSD

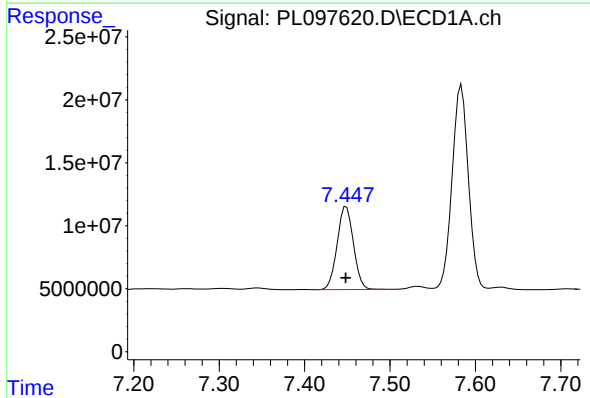
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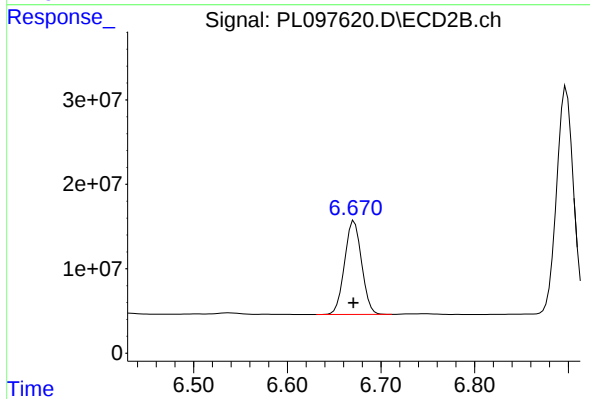
#19 Endosulfan Sulfate

R.T.: 6.394 min
Delta R.T.: 0.000 min
Response: 294678058
Conc: 44.26 ng/ml



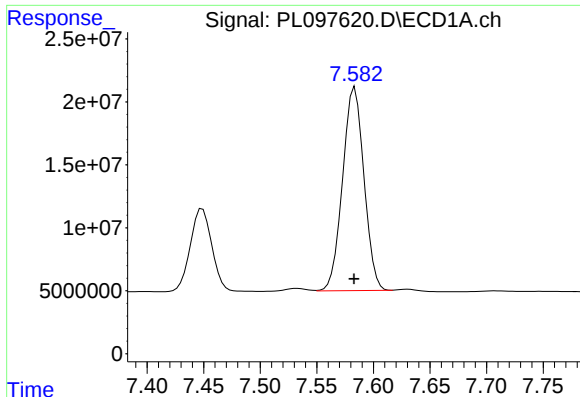
#20 Methoxychlor

R.T.: 7.449 min
Delta R.T.: 0.000 min
Response: 87431249
Conc: 41.85 ng/ml



#20 Methoxychlor

R.T.: 6.671 min
Delta R.T.: 0.000 min
Response: 140305162
Conc: 38.49 ng/ml



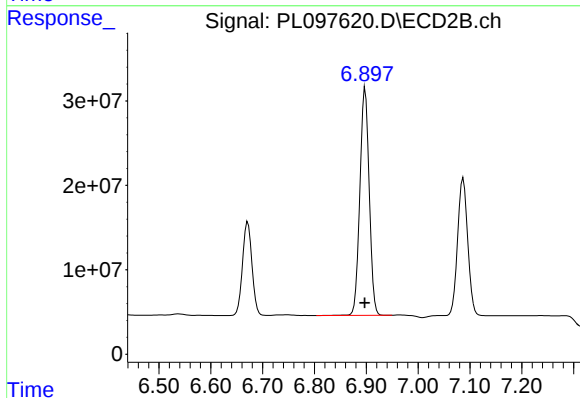
#21 Endrin ketone

R.T.: 7.584 min
Delta R.T.: 0.000 min
Response: 212342565
Conc: 49.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-1MSD

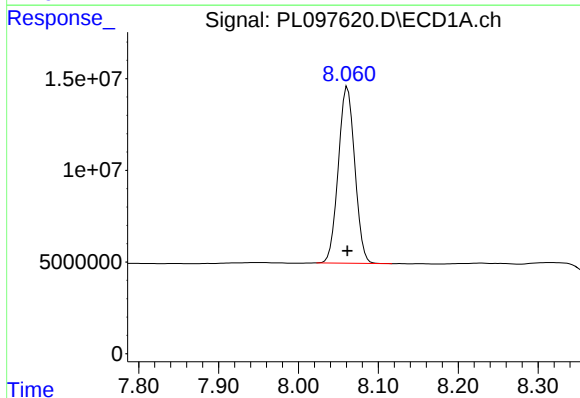
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



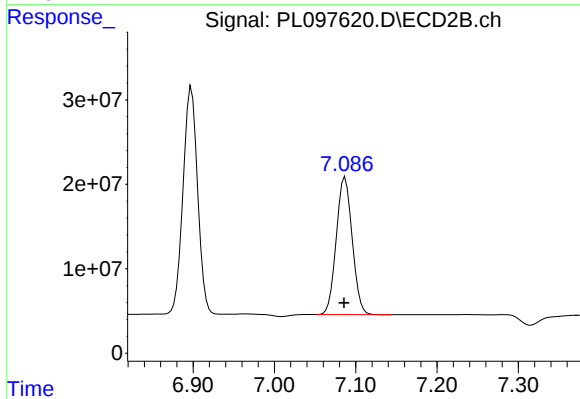
#21 Endrin ketone

R.T.: 6.898 min
Delta R.T.: 0.001 min
Response: 337355668
Conc: 42.70 ng/ml



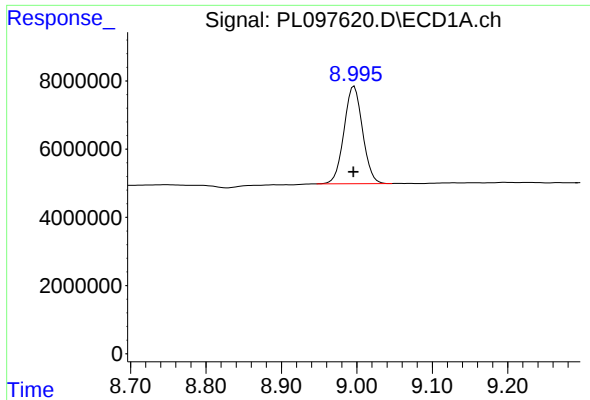
#22 Mirex

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 137769726
Conc: 44.34 ng/ml



#22 Mirex

R.T.: 7.087 min
Delta R.T.: 0.001 min
Response: 221466317
Conc: 41.40 ng/ml



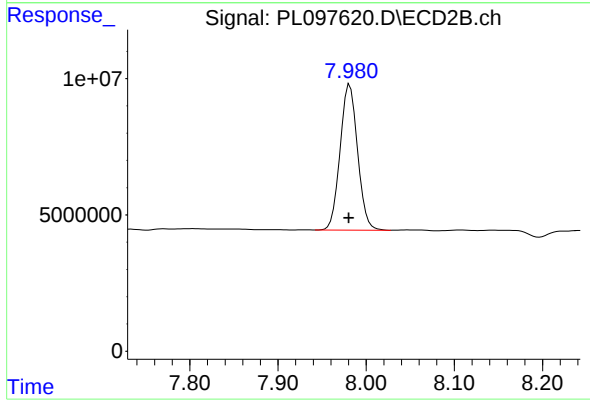
#28 Decachlorobiphenyl

R.T.: 8.996 min
Delta R.T.: 0.001 min
Response: 48833950
Conc: 16.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-1MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



#28 Decachlorobiphenyl

R.T.: 7.981 min
Delta R.T.: 0.001 min
Response: 73615889
Conc: 14.19 ng/ml