

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
 Data File : PL097348.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Sep 2025 23:11
 Operator : AR\AJ
 Sample : Q3153-01MSD
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OR-500-COMP-39MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 09/23/2025
 Supervised By : mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 01:50:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 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...	3.526	2.825	67261866	101.6E6	14.857m	15.448
28)	SA Decachlor...	9.000	7.983	42166111	65305002	12.886	11.474
Target Compounds							
2)	A alpha-BHC	3.974	3.330	270.2E6	389.0E6	38.672	39.069
3)	MA gamma-BHC...	4.302	3.661	254.5E6	358.4E6	38.482	38.481
4)	MA Heptachlor	4.893	4.009	249.7E6	347.1E6	37.443	37.298
5)	MB Aldrin	5.232	4.291	241.1E6	330.8E6	38.057	38.116
6)	B beta-BHC	4.489	3.957	104.7E6	152.2E6	38.400	37.463
7)	B delta-BHC	4.733	4.189	236.8E6	343.3E6	39.023m	37.342
8)	B Heptachlo...	5.651	4.793	223.9E6	299.5E6	38.965	37.756
9)	A Endosulfan I	6.033	5.163	200.0E6	276.9E6	38.592	36.041
10)	B gamma-Chl...	5.904	5.044	219.3E6	327.1E6	38.786	37.447
11)	B alpha-Chl...	5.985	5.108	217.5E6	314.2E6	38.290	37.849
12)	B 4,4'-DDE	6.155	5.296	182.7E6	287.4E6	38.345	37.402
13)	MA Dieldrin	6.305	5.427	207.7E6	304.9E6	37.889	37.294
14)	MA Endrin	6.531	5.702	168.4E6	269.2E6	36.494	35.847
15)	B Endosulfa...	6.745	5.994	166.7E6	260.4E6	33.896	36.625
16)	A 4,4'-DDD	6.664	5.849	154.1E6	233.0E6	40.861	36.131
17)	MA 4,4'-DDT	6.978	6.101	147.0E6	227.4E6	34.780	32.852
18)	B Endrin al...	6.873	6.172	127.1E6	199.0E6	41.221	37.289
19)	B Endosulfa...	7.107	6.395	153.0E6	240.9E6	37.484	35.168
20)	A Methoxychlor	7.451	6.674	71507940	124.0E6	34.290	32.890
21)	B Endrin ke...	7.586	6.899	161.1E6	261.4E6	37.964	34.715
22)	Mirex	8.064	7.089	127.4E6	204.0E6	35.896	34.119

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

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Data File : PL097348.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 23:11
Operator : AR\AJ
Sample : Q3153-01MSD
Misc :
ALS Vial : 30 Sample Multiplier: 1

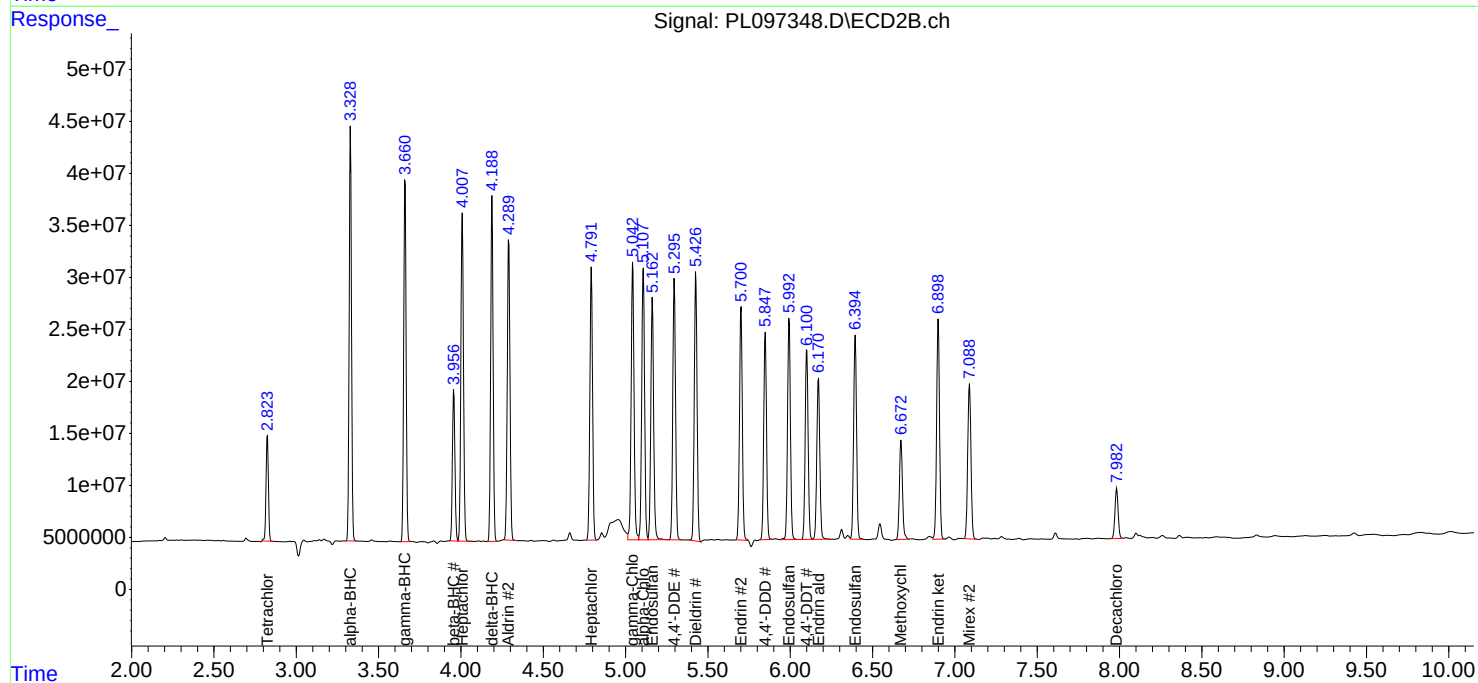
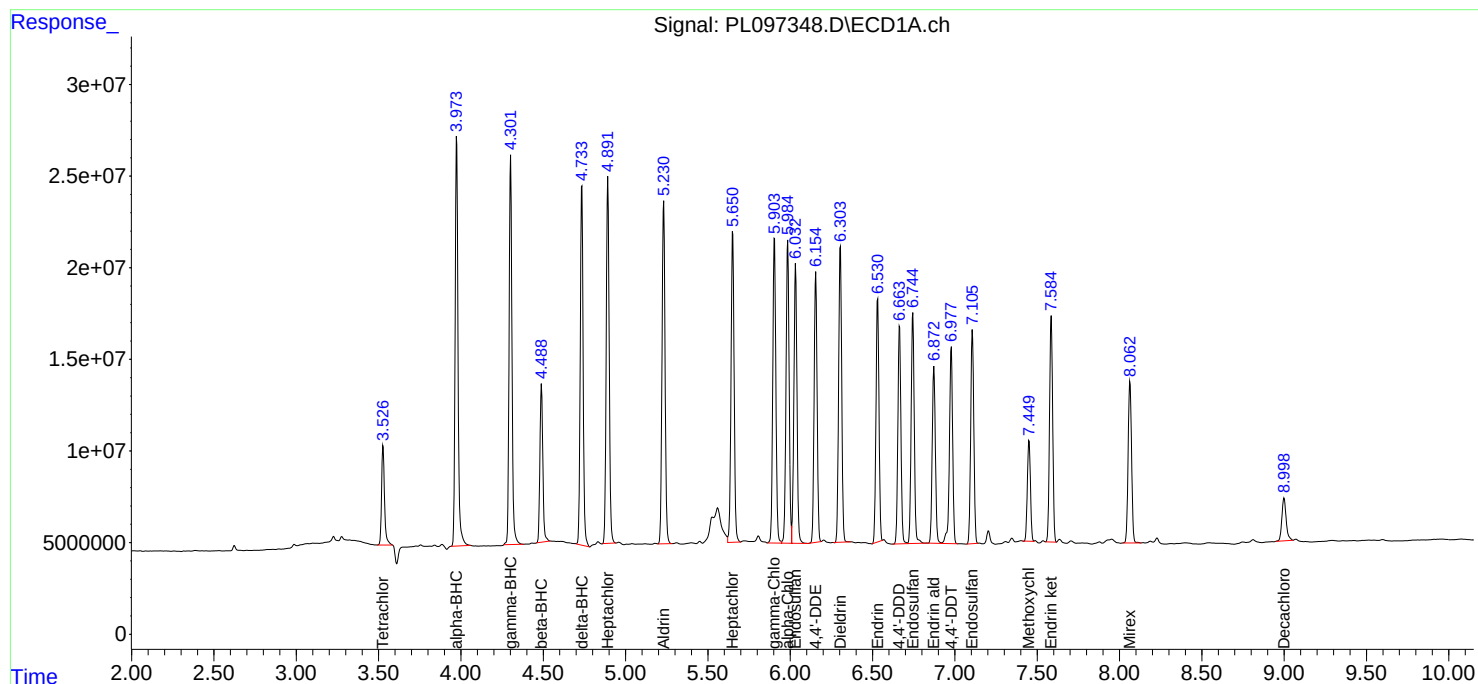
Instrument :
ECD_L
ClientSampleId :
OR-500-COMP-39MSD

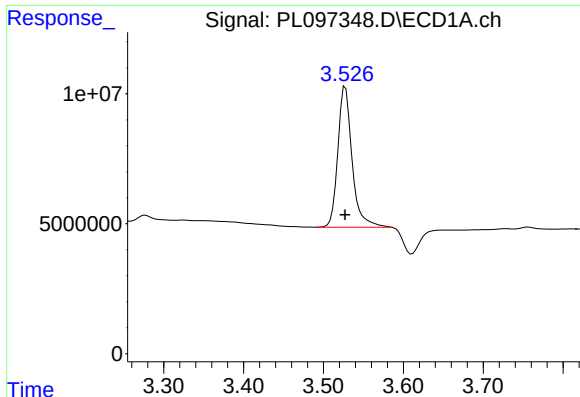
Manual Integrations
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Supervised By :mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:50:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 2025
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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





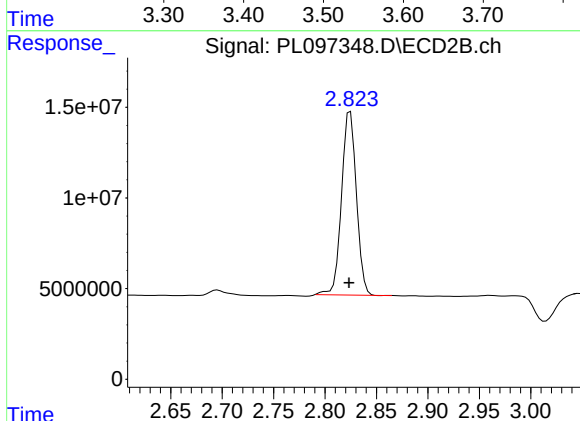
#1 Tetrachloro-m-xylene

R.T.: 3.526 min
Delta R.T.: -0.001 min
Response: 67261866
Conc: 14.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-500-COMP-39MSD

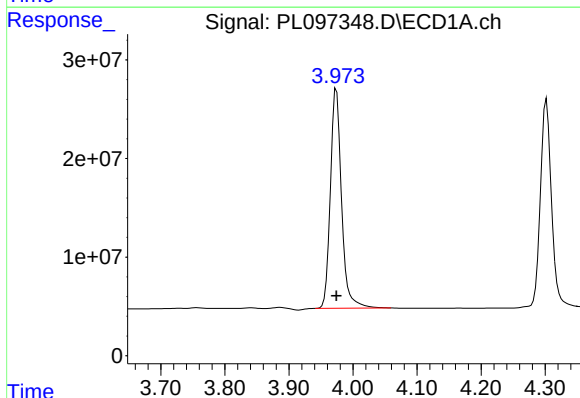
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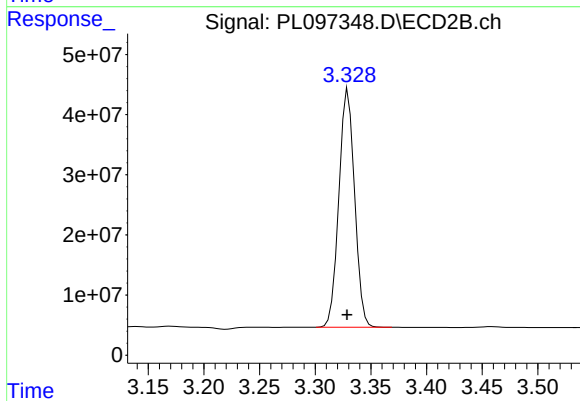
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: 0.001 min
Response: 101580603
Conc: 15.45 ng/ml



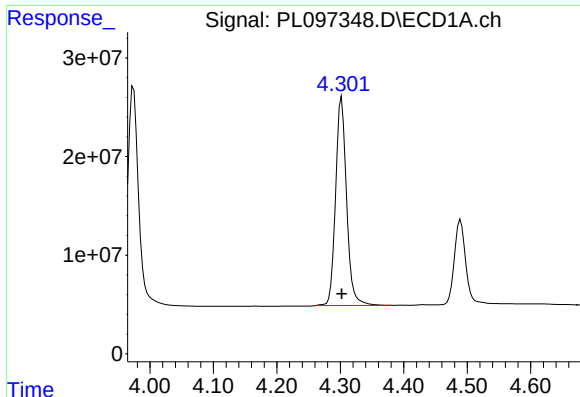
#2 alpha-BHC

R.T.: 3.974 min
Delta R.T.: 0.000 min
Response: 270216867
Conc: 38.67 ng/ml



#2 alpha-BHC

R.T.: 3.330 min
Delta R.T.: 0.000 min
Response: 389035855
Conc: 39.07 ng/ml



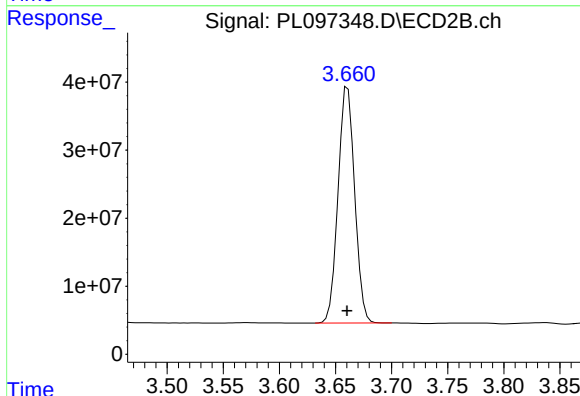
#3 gamma-BHC (Lindane)

R.T.: 4.302 min
Delta R.T.: 0.000 min
Response: 254486532
Conc: 38.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-500-COMP-39MSD

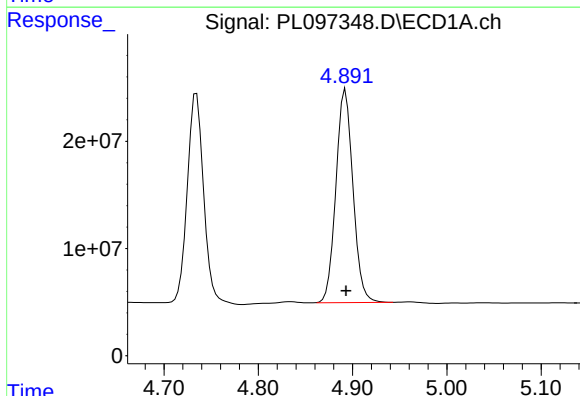
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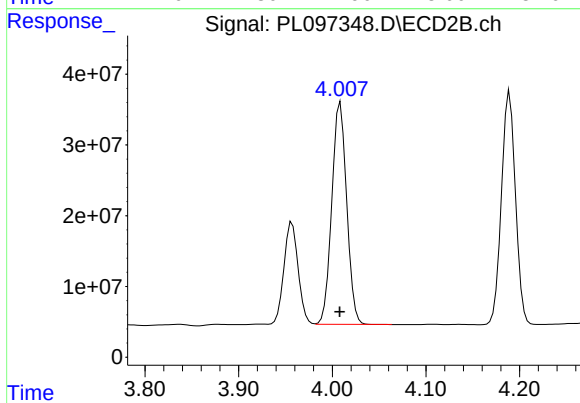
#3 gamma-BHC (Lindane)

R.T.: 3.661 min
Delta R.T.: 0.000 min
Response: 358435064
Conc: 38.48 ng/ml



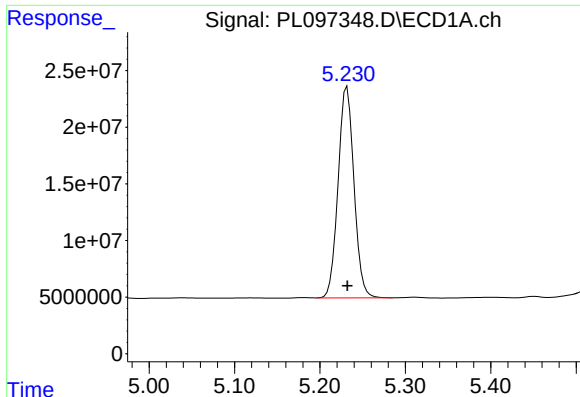
#4 Heptachlor

R.T.: 4.893 min
Delta R.T.: 0.000 min
Response: 249747860
Conc: 37.44 ng/ml



#4 Heptachlor

R.T.: 4.009 min
Delta R.T.: 0.000 min
Response: 347067515
Conc: 37.30 ng/ml



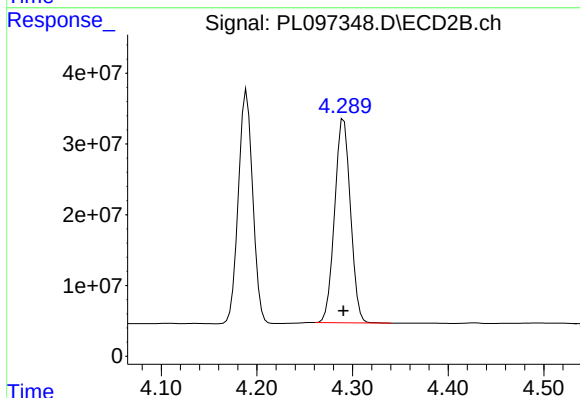
#5 Aldrin

R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 241050489
Conc: 38.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-500-COMP-39MSD

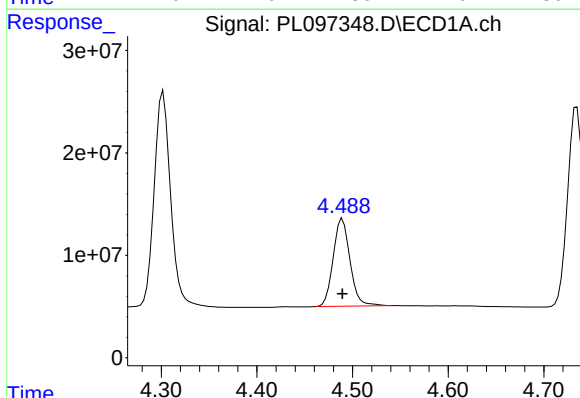
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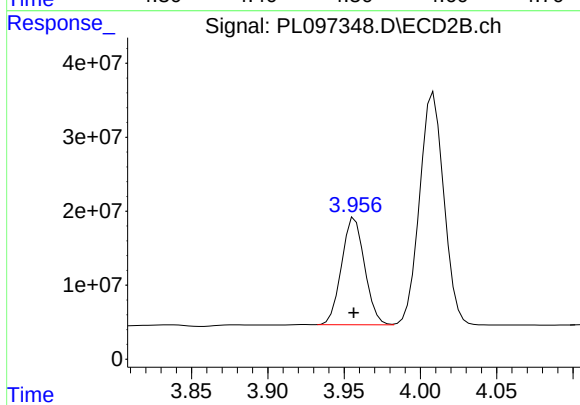
#5 Aldrin

R.T.: 4.291 min
Delta R.T.: 0.000 min
Response: 330824692
Conc: 38.12 ng/ml



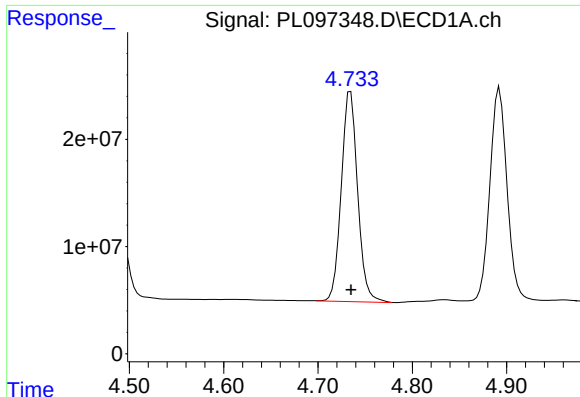
#6 beta-BHC

R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 104686198
Conc: 38.40 ng/ml



#6 beta-BHC

R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 152176363
Conc: 37.46 ng/ml



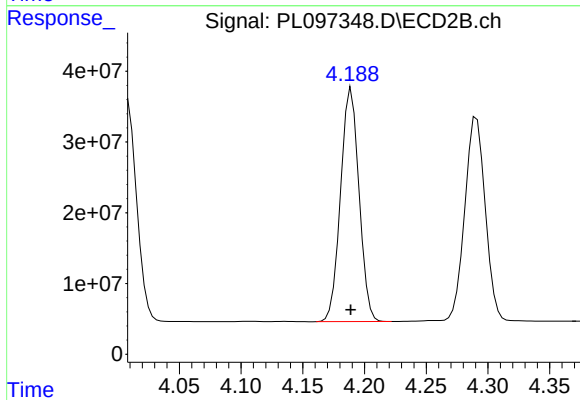
#7 delta-BHC

R.T.: 4.733 min
Delta R.T.: -0.002 min
Response: 236807810
Conc: 39.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-500-COMP-39MSD

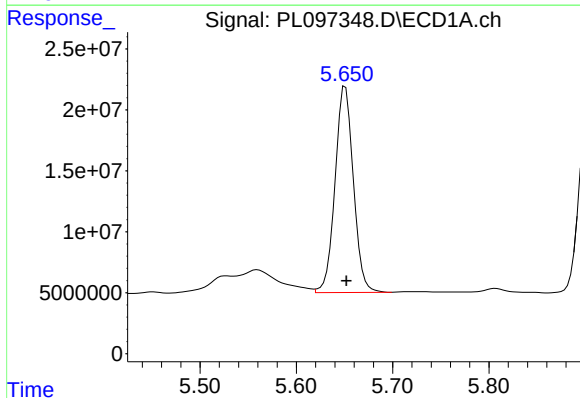
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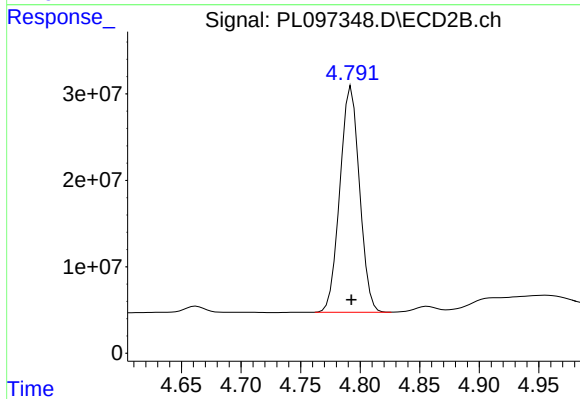
#7 delta-BHC

R.T.: 4.189 min
Delta R.T.: 0.000 min
Response: 343254571
Conc: 37.34 ng/ml



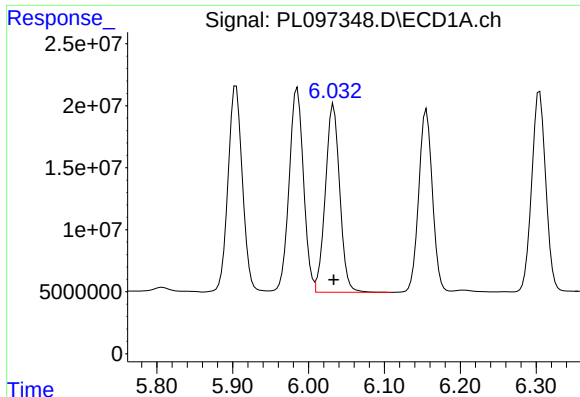
#8 Heptachlor epoxide

R.T.: 5.651 min
Delta R.T.: 0.000 min
Response: 223929612
Conc: 38.96 ng/ml



#8 Heptachlor epoxide

R.T.: 4.793 min
Delta R.T.: 0.000 min
Response: 299465412
Conc: 37.76 ng/ml



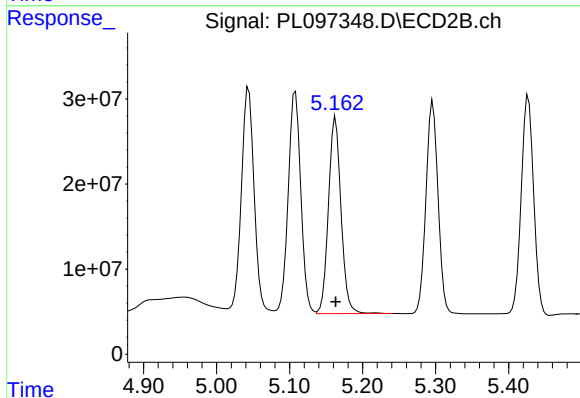
#9 Endosulfan I

R.T.: 6.033 min
Delta R.T.: 0.000 min
Response: 199958452
Conc: 38.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-500-COMP-39MSD

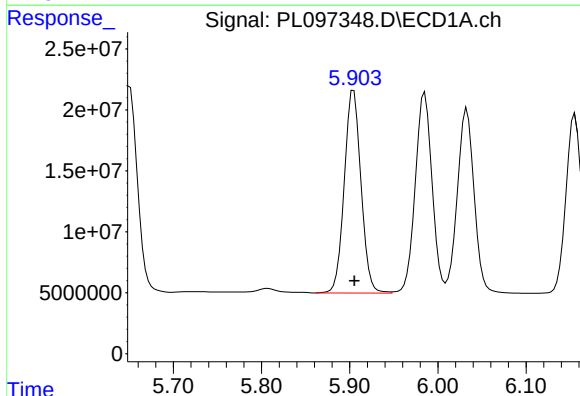
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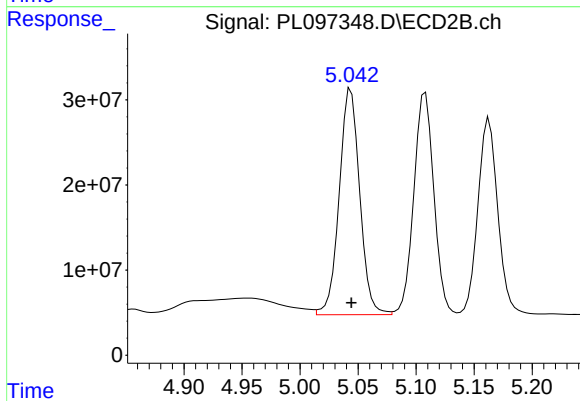
#9 Endosulfan I

R.T.: 5.163 min
Delta R.T.: 0.000 min
Response: 276929048
Conc: 36.04 ng/ml



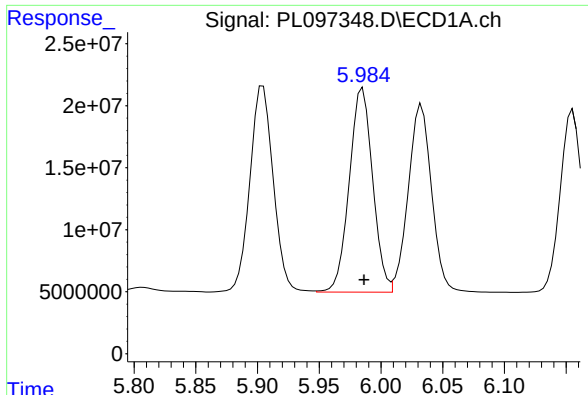
#10 gamma-Chlordane

R.T.: 5.904 min
Delta R.T.: 0.000 min
Response: 219277680
Conc: 38.79 ng/ml



#10 gamma-Chlordane

R.T.: 5.044 min
Delta R.T.: 0.000 min
Response: 327057948
Conc: 37.45 ng/ml



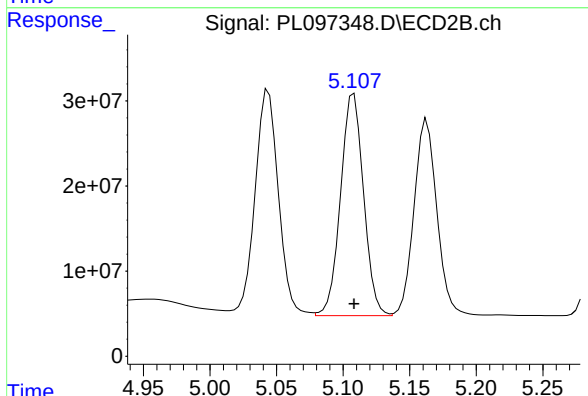
#11 alpha-Chlordane

R.T.: 5.985 min
Delta R.T.: 0.000 min
Response: 217484976
Conc: 38.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-500-COMP-39MSD

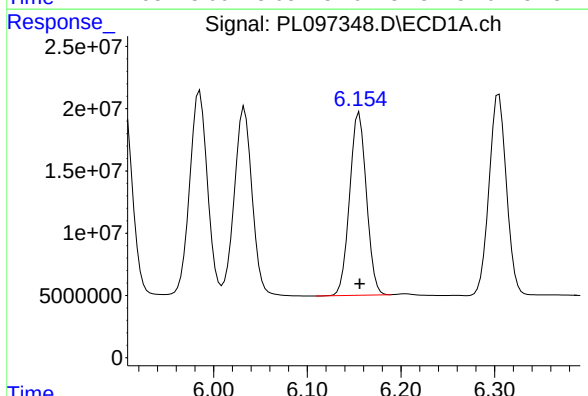
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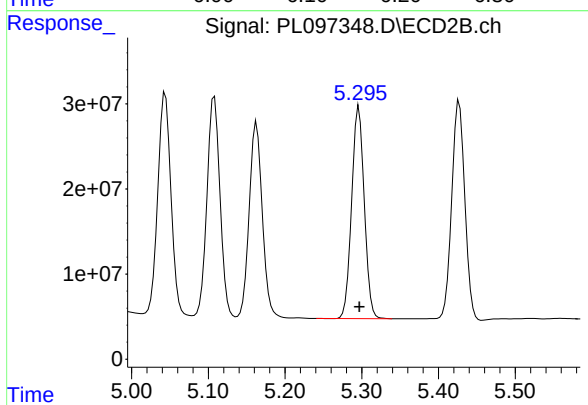
#11 alpha-Chlordane

R.T.: 5.108 min
Delta R.T.: 0.000 min
Response: 314165683
Conc: 37.85 ng/ml



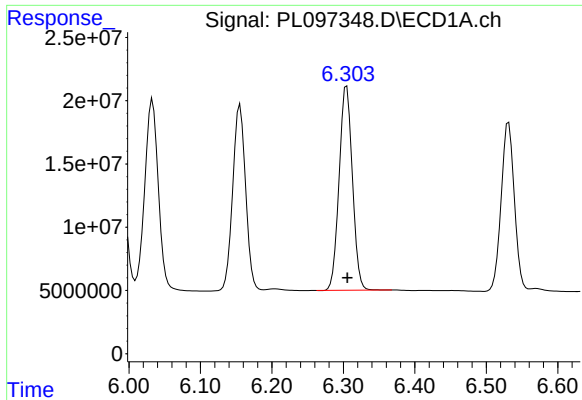
#12 4,4'-DDE

R.T.: 6.155 min
Delta R.T.: 0.000 min
Response: 182703580
Conc: 38.35 ng/ml



#12 4,4'-DDE

R.T.: 5.296 min
Delta R.T.: 0.000 min
Response: 287423085
Conc: 37.40 ng/ml



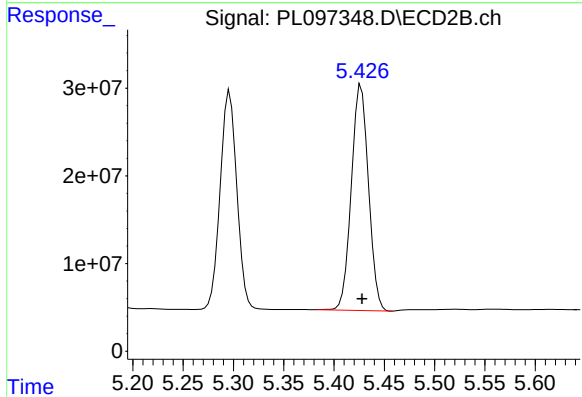
#13 Dieldrin

R.T.: 6.305 min
Delta R.T.: 0.000 min
Response: 207713972
Conc: 37.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-500-COMP-39MSD

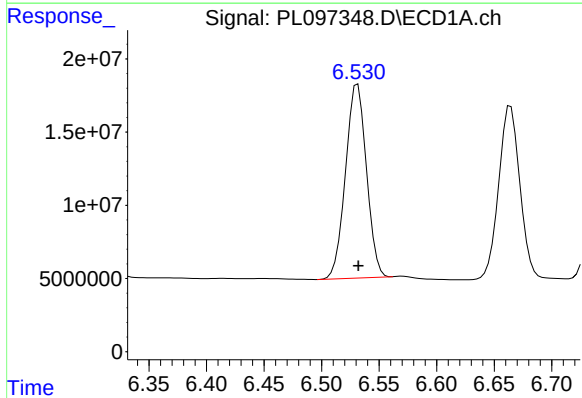
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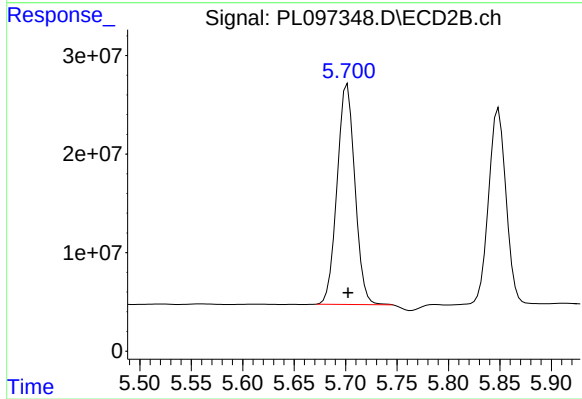
#13 Dieldrin

R.T.: 5.427 min
Delta R.T.: 0.000 min
Response: 304948663
Conc: 37.29 ng/ml



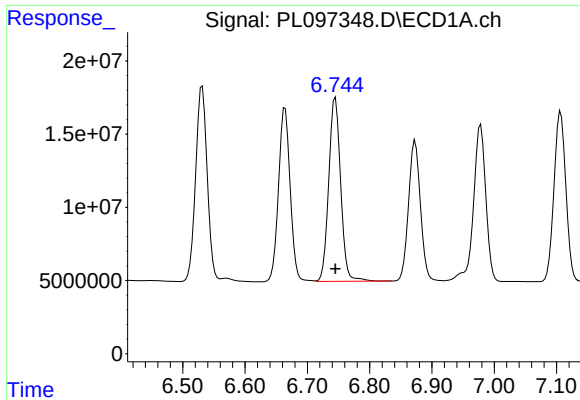
#14 Endrin

R.T.: 6.531 min
Delta R.T.: 0.000 min
Response: 168350028
Conc: 36.49 ng/ml



#14 Endrin

R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 269232677
Conc: 35.85 ng/ml



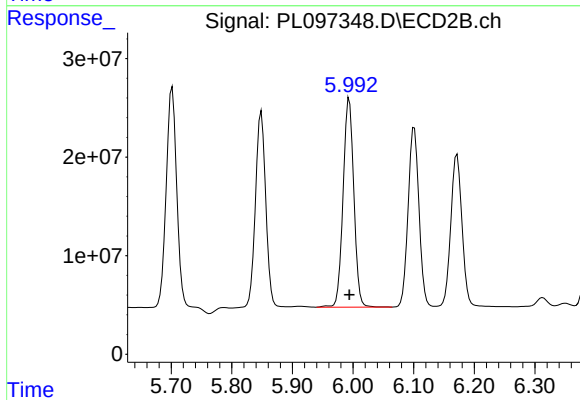
#15 Endosulfan II

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 166713597
Conc: 33.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-500-COMP-39MSD

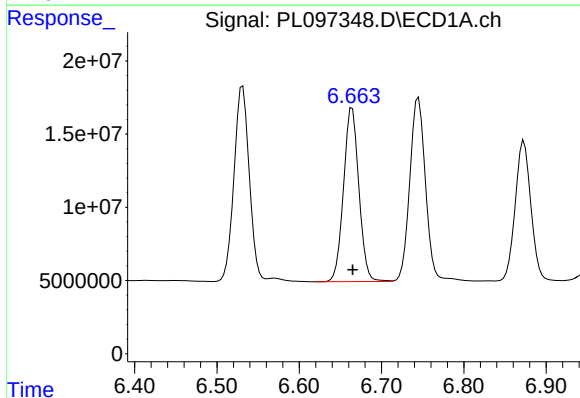
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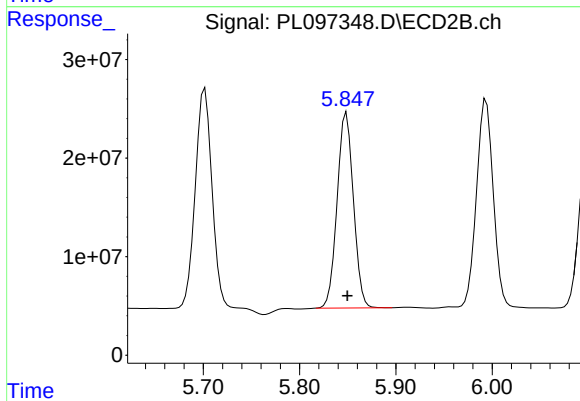
#15 Endosulfan II

R.T.: 5.994 min
Delta R.T.: 0.000 min
Response: 260377389
Conc: 36.63 ng/ml



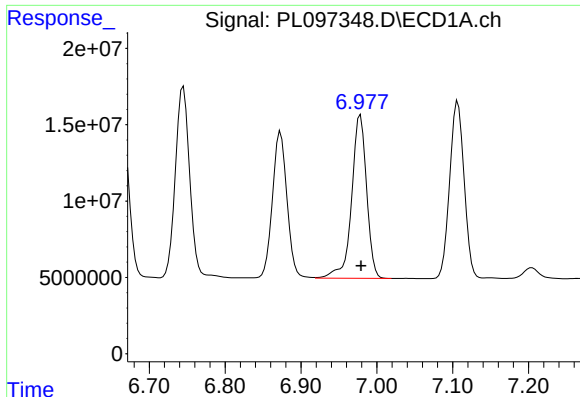
#16 4,4'-DDD

R.T.: 6.664 min
Delta R.T.: 0.000 min
Response: 154066509
Conc: 40.86 ng/ml



#16 4,4'-DDD

R.T.: 5.849 min
Delta R.T.: 0.000 min
Response: 233011810
Conc: 36.13 ng/ml



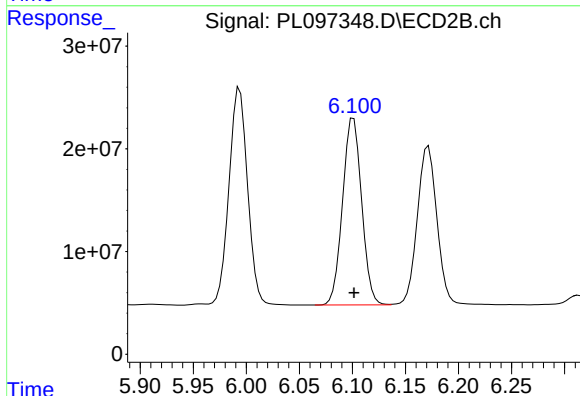
#17 4,4'-DDT

R.T.: 6.978 min
Delta R.T.: 0.000 min
Response: 147022471
Conc: 34.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-500-COMP-39MSD

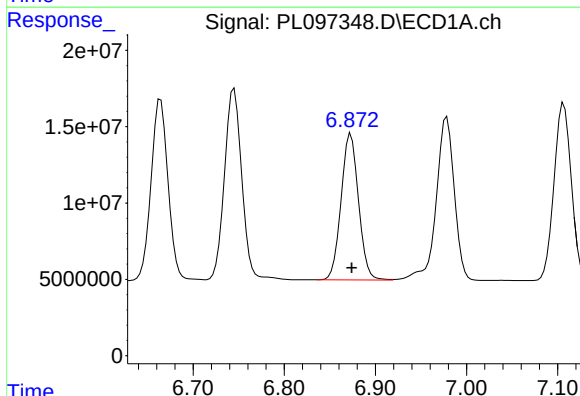
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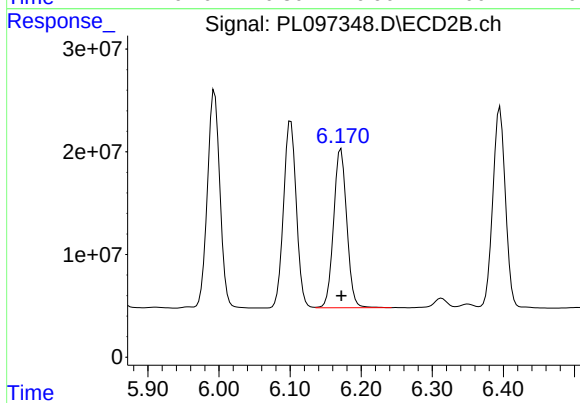
#17 4,4'-DDT

R.T.: 6.101 min
Delta R.T.: 0.000 min
Response: 227352279
Conc: 32.85 ng/ml



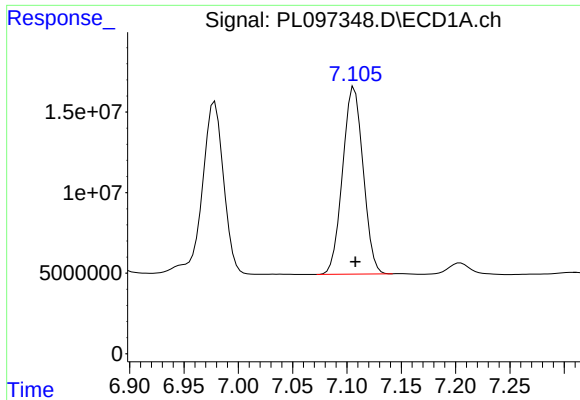
#18 Endrin aldehyde

R.T.: 6.873 min
Delta R.T.: -0.001 min
Response: 127076149
Conc: 41.22 ng/ml



#18 Endrin aldehyde

R.T.: 6.172 min
Delta R.T.: 0.000 min
Response: 199026689
Conc: 37.29 ng/ml



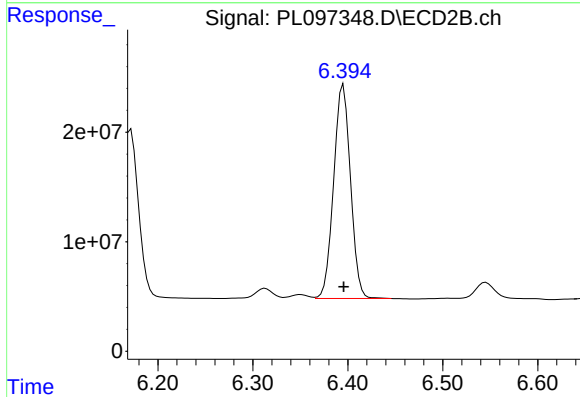
#19 Endosulfan Sulfate

R.T.: 7.107 min
Delta R.T.: 0.000 min
Response: 153038754
Conc: 37.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-500-COMP-39MSD

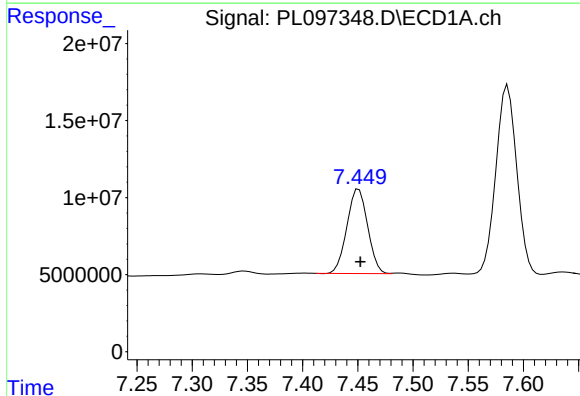
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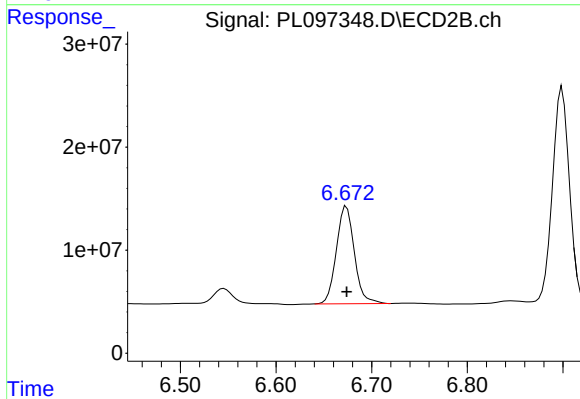
#19 Endosulfan Sulfate

R.T.: 6.395 min
Delta R.T.: 0.000 min
Response: 240892786
Conc: 35.17 ng/ml



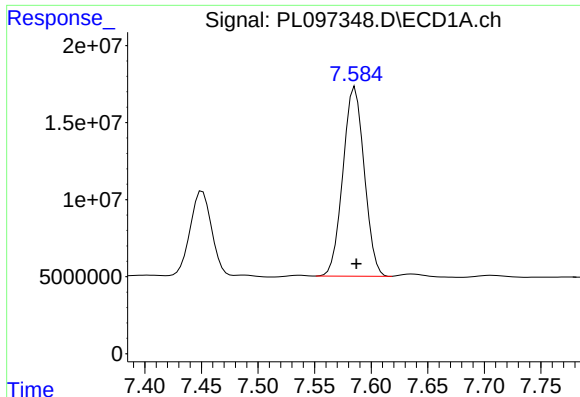
#20 Methoxychlor

R.T.: 7.451 min
Delta R.T.: -0.001 min
Response: 71507940
Conc: 34.29 ng/ml



#20 Methoxychlor

R.T.: 6.674 min
Delta R.T.: 0.000 min
Response: 123976392
Conc: 32.89 ng/ml



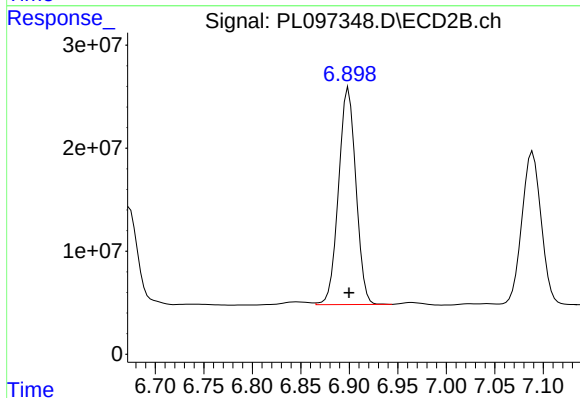
#21 Endrin ketone

R.T.: 7.586 min
Delta R.T.: -0.001 min
Response: 161132604
Conc: 37.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-500-COMP-39MSD

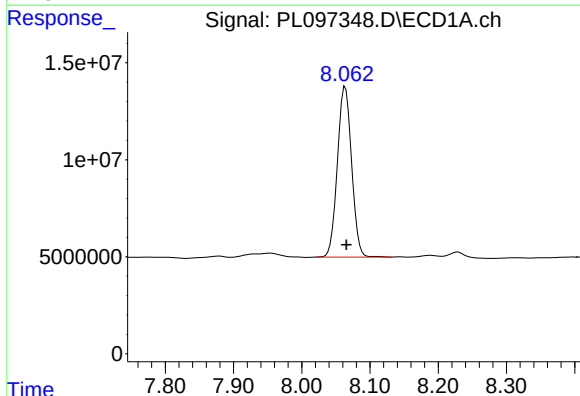
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/23/2025
Supervised By :mohammad ahmed 09/24/2025



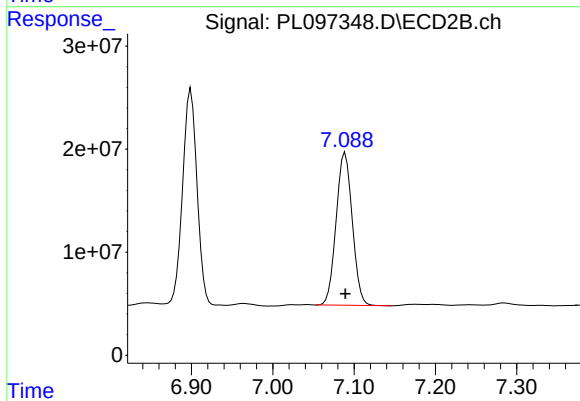
#21 Endrin ketone

R.T.: 6.899 min
Delta R.T.: 0.000 min
Response: 261416476
Conc: 34.72 ng/ml



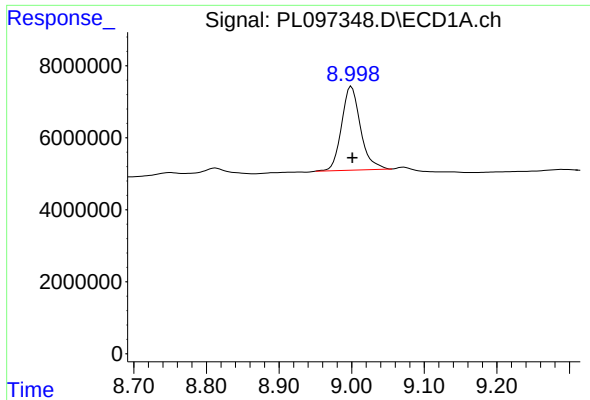
#22 Mirex

R.T.: 8.064 min
Delta R.T.: -0.002 min
Response: 127440125
Conc: 35.90 ng/ml



#22 Mirex

R.T.: 7.089 min
Delta R.T.: 0.000 min
Response: 203986291
Conc: 34.12 ng/ml



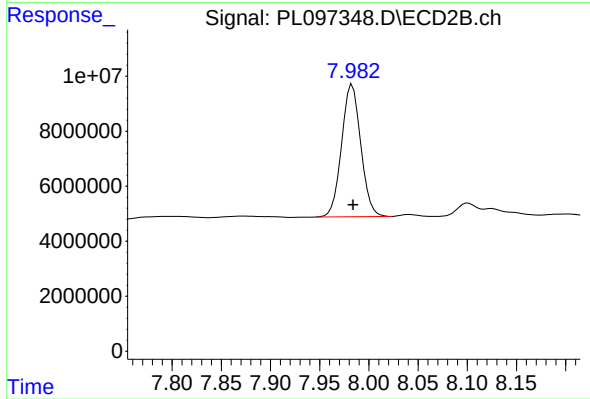
#28 Decachlorobiphenyl

R.T.: 9.000 min
Delta R.T.: -0.001 min
Response: 42166111
Conc: 12.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-500-COMP-39MSD

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#28 Decachlorobiphenyl

R.T.: 7.983 min
Delta R.T.: 0.000 min
Response: 65305002
Conc: 11.47 ng/ml