

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
 Data File : PL097445.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2025 14:16
 Operator : AR\AJ
 Sample : Q3178-03MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 EME-TS14-01MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/01/2025
 Supervised By :mohammad ahmed 10/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 01 02:22:43 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...	3.525	2.824	45833730	65928158	10.124m	10.026
28)	SA Decachlor...	8.996	7.982	17767854	24895421	5.430m	4.374
Target Compounds							
2)	A alpha-BHC	3.973	3.328	243.0E6	345.6E6	34.772	34.706
3)	MA gamma-BHC...	4.301	3.660	58079119	80263000	8.782	8.617
4)	MA Heptachlor	4.892	4.008	92599158	127.7E6	13.883	13.722
5)	MB Aldrin	5.230	4.290	198.5E6	288.5E6	31.332	33.245
6)	B beta-BHC	4.488	3.956	91562013	133.5E6	33.586	32.870
7)	B delta-BHC	4.732	4.188	181.3E6	268.8E6	29.869m	29.238
8)	B Heptachlo...	5.648	4.791	181.7E6	257.7E6	31.611m	32.495
9)	A Endosulfan I	6.030	5.162	162.8E6	216.0E6	31.414m	28.112
10)	B gamma-Chl...	5.902	5.043	191.5E6	278.4E6	33.874m	31.879
11)	B alpha-Chl...	5.982	5.107	186.5E6	260.5E6	32.840m	31.378
12)	B 4,4'-DDE	6.153	5.296	168.0E6	236.2E6	35.263m	30.738
13)	MA Dieldrin	6.303	5.427	171.1E6	257.6E6	31.219	31.502
14)	MA Endrin	6.530	5.702	145.5E6	262.5E6	31.549	34.951
15)	B Endosulfa...	6.742	5.993	139.4E6	189.5E6	28.353m	26.657
16)	A 4,4'-DDD	6.662	5.848	131.3E6	177.0E6	34.813m	27.449
17)	MA 4,4'-DDT	6.975	6.100	105.9E6	140.2E6	25.062m	20.262
18)	B Endrin al...	6.870	6.171	41692420	54187811	13.524m	10.152
19)	B Endosulfa...	7.105	6.394	110.4E6	155.8E6	27.044	22.739
20)	A Methoxychlor	7.449	6.672	48410025	77117673	23.214	20.458
21)	B Endrin ke...	7.582	6.898	136.3E6	162.4E6	32.120m	21.568 #
22)	Mirex	8.063	7.088	113.4E6	154.6E6	31.945	25.860

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
Data File : PL097445.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2025 14:16
Operator : AR\AJ
Sample : Q3178-03MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

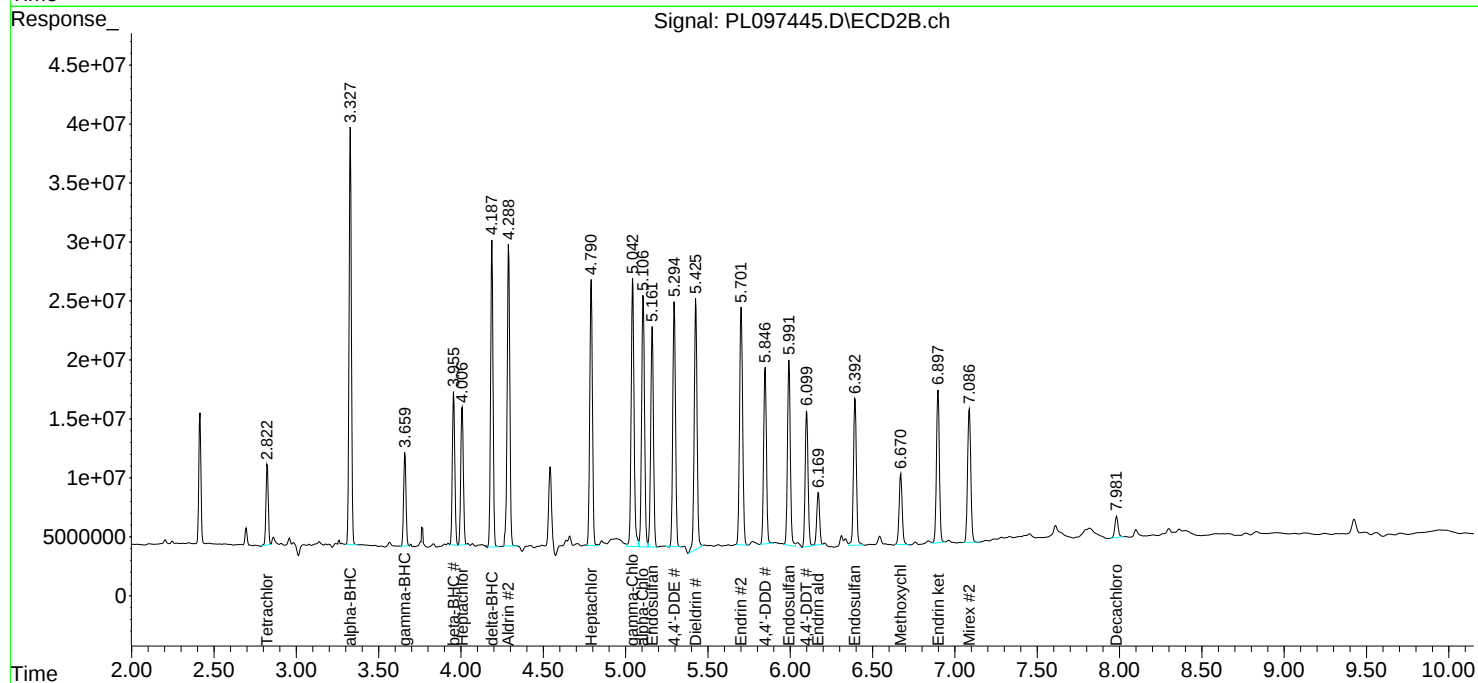
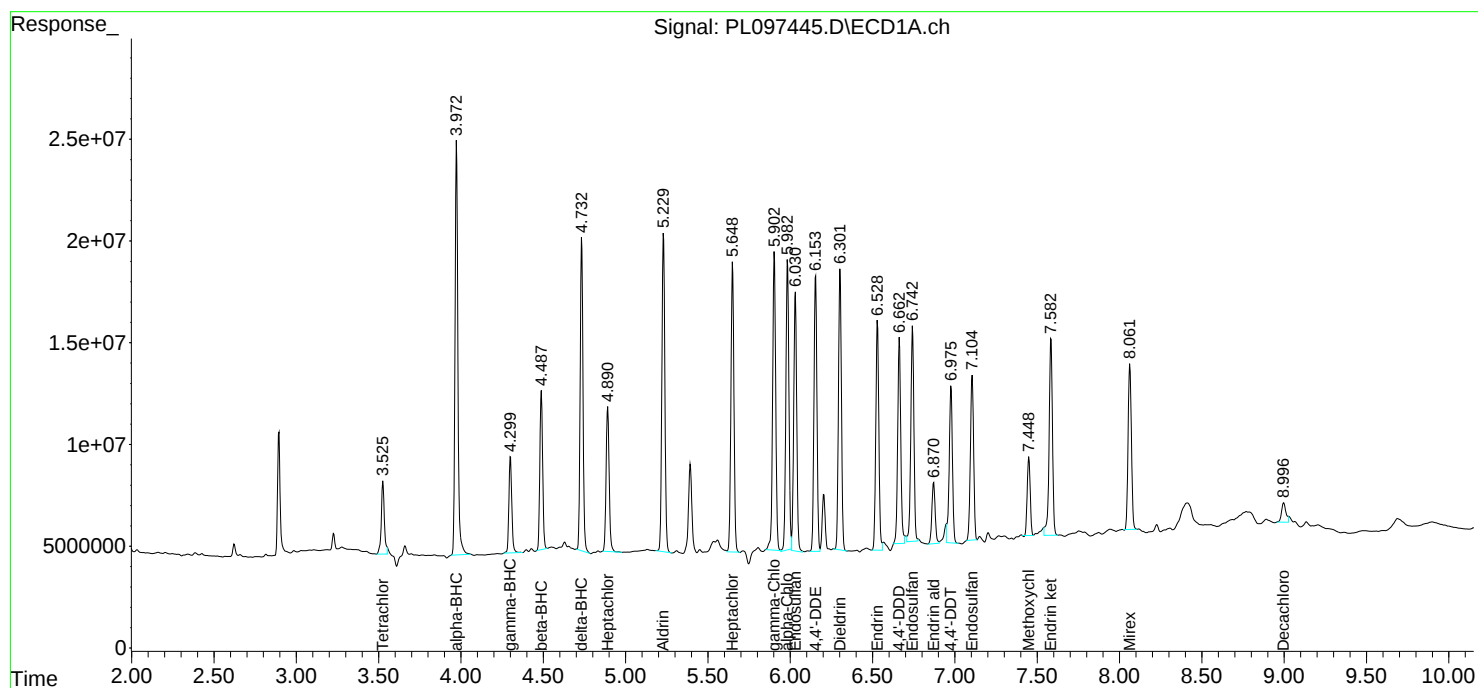
Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MSD

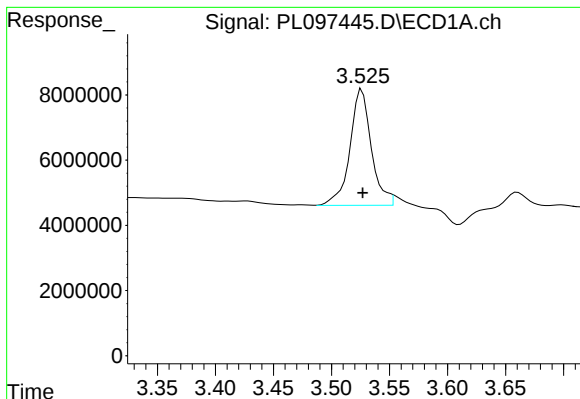
Manual Integrations
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Supervised By :mohammad ahmed 10/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 01 02:22:43 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





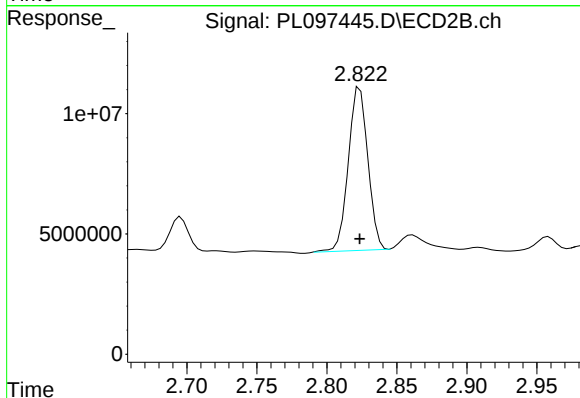
#1 Tetrachloro-m-xylene

R.T.: 3.525 min
Delta R.T.: -0.002 min
Response: 45833730
Conc: 10.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MSD

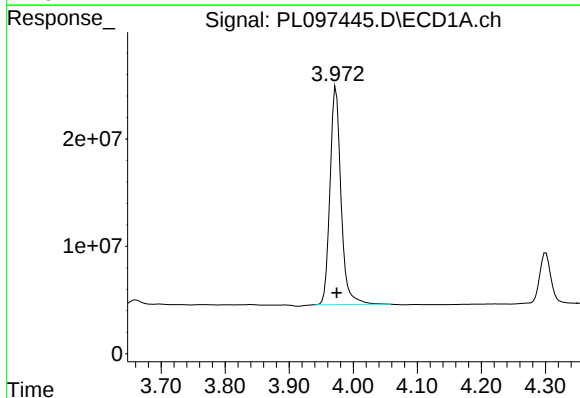
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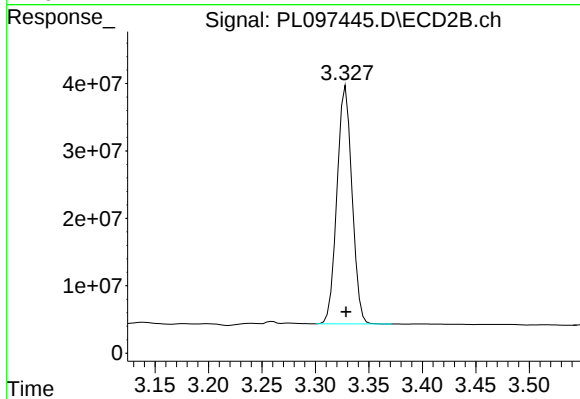
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 65928158
Conc: 10.03 ng/ml



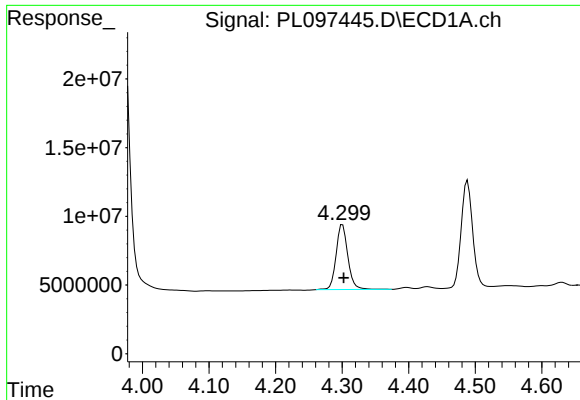
#2 alpha-BHC

R.T.: 3.973 min
Delta R.T.: -0.001 min
Response: 242969229
Conc: 34.77 ng/ml



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: 0.000 min
Response: 345588327
Conc: 34.71 ng/ml



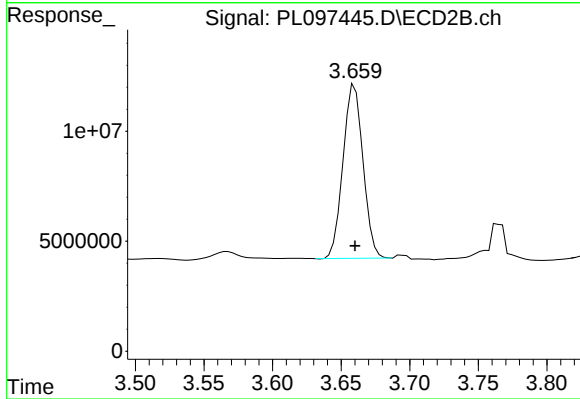
#3 gamma-BHC (Lindane)

R.T.: 4.301 min
Delta R.T.: -0.002 min
Response: 58079119
Conc: 8.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MSD

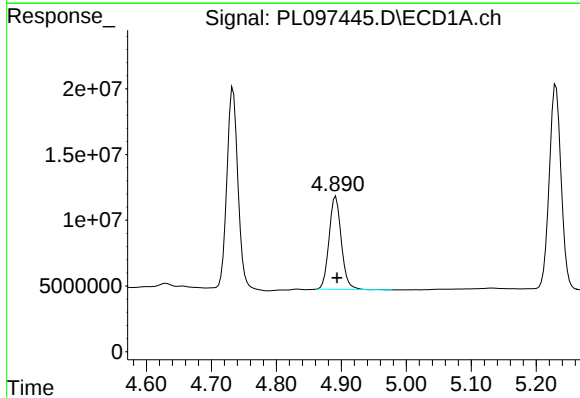
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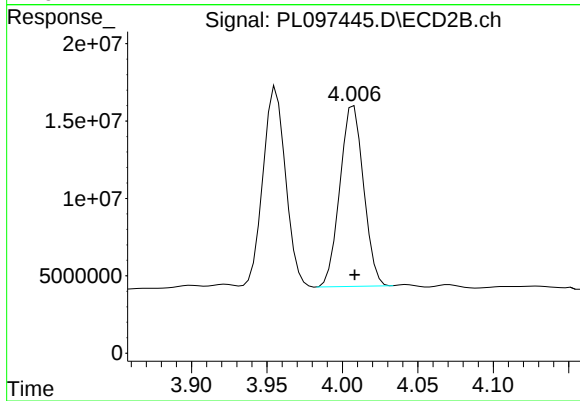
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 80263000
Conc: 8.62 ng/ml



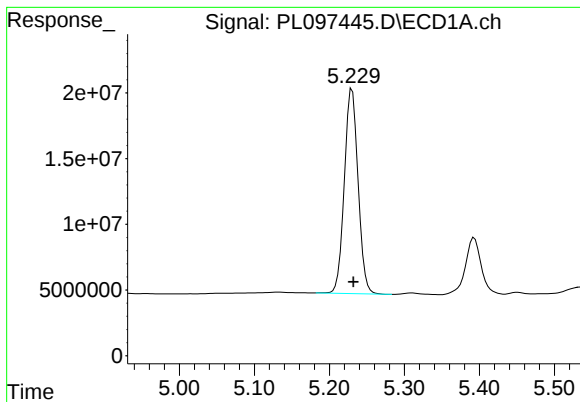
#4 Heptachlor

R.T.: 4.892 min
Delta R.T.: -0.002 min
Response: 92599158
Conc: 13.88 ng/ml



#4 Heptachlor

R.T.: 4.008 min
Delta R.T.: 0.000 min
Response: 127685701
Conc: 13.72 ng/ml



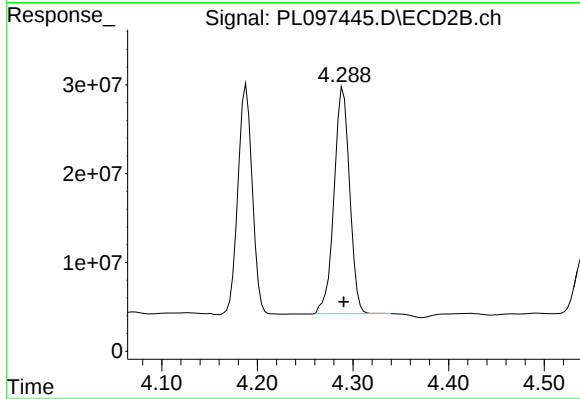
#5 Aldrin

R.T.: 5.230 min
Delta R.T.: -0.002 min
Response: 198451357
Conc: 31.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MSD

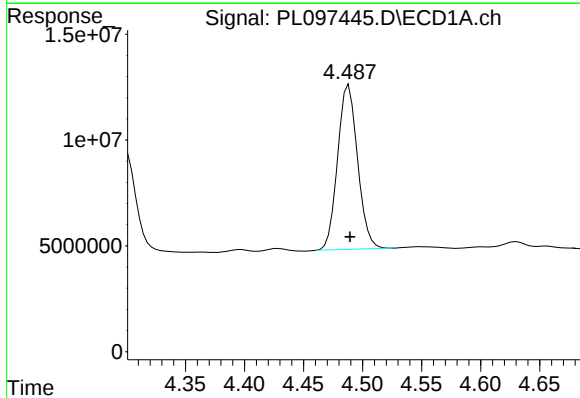
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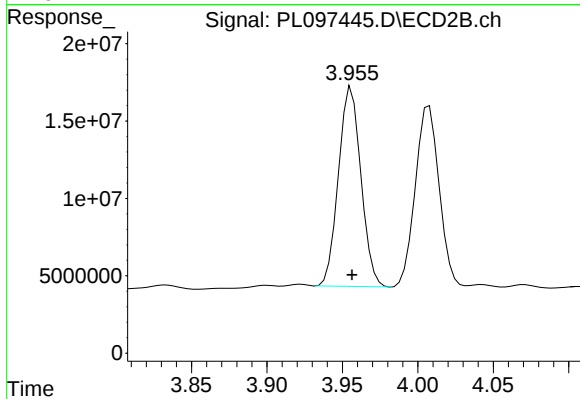
#5 Aldrin

R.T.: 4.290 min
Delta R.T.: 0.000 min
Response: 288543487
Conc: 33.24 ng/ml



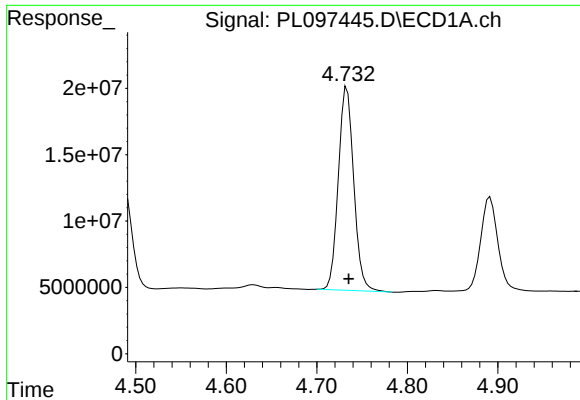
#6 beta-BHC

R.T.: 4.488 min
Delta R.T.: -0.001 min
Response: 91562013
Conc: 33.59 ng/ml



#6 beta-BHC

R.T.: 3.956 min
Delta R.T.: 0.000 min
Response: 133519103
Conc: 32.87 ng/ml



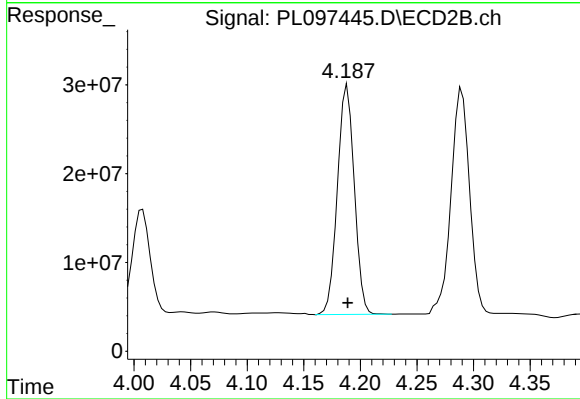
#7 delta-BHC

R.T.: 4.732 min
Delta R.T.: -0.003 min
Response: 181252974
Conc: 29.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MSD

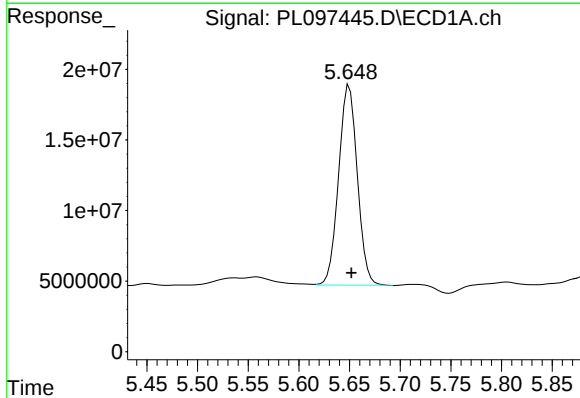
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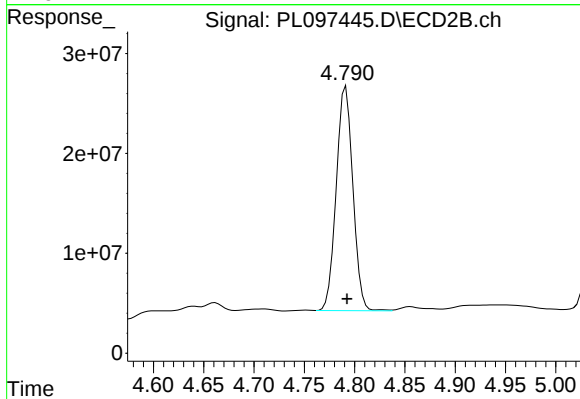
#7 delta-BHC

R.T.: 4.188 min
Delta R.T.: 0.000 min
Response: 268758370
Conc: 29.24 ng/ml



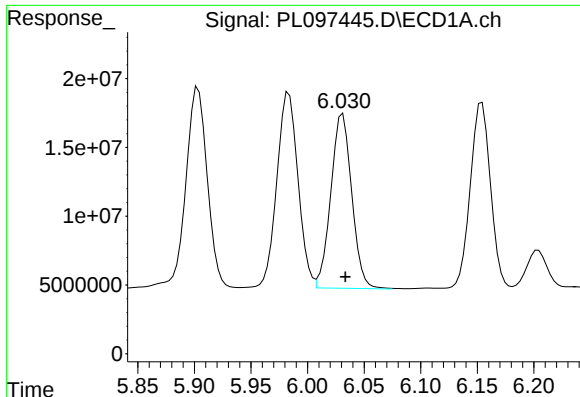
#8 Heptachlor epoxide

R.T.: 5.648 min
Delta R.T.: -0.003 min
Response: 181666301
Conc: 31.61 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.791 min
Delta R.T.: -0.001 min
Response: 257735329
Conc: 32.49 ng/ml



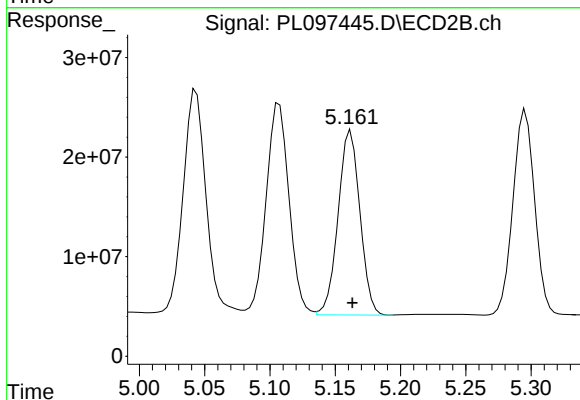
#9 Endosulfan I

R.T.: 6.030 min
Delta R.T.: -0.004 min
Response: 162764551
Conc: 31.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MSD

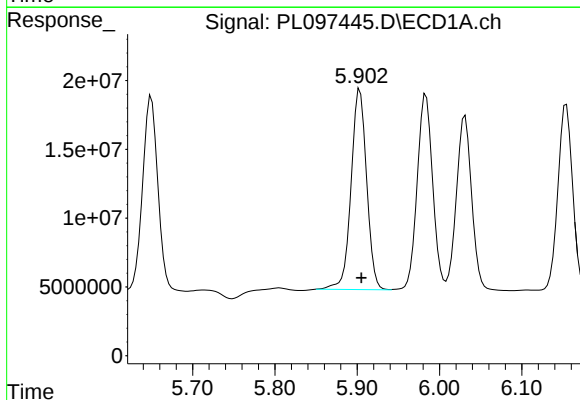
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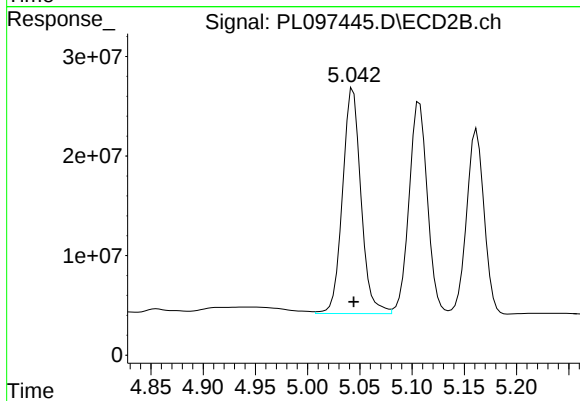
#9 Endosulfan I

R.T.: 5.162 min
Delta R.T.: -0.001 min
Response: 216001209
Conc: 28.11 ng/ml



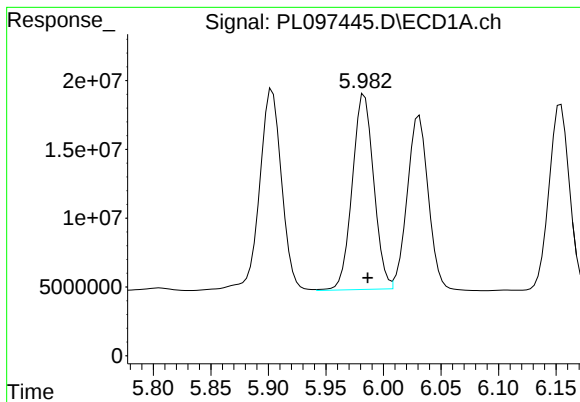
#10 gamma-Chlordane

R.T.: 5.902 min
Delta R.T.: -0.003 min
Response: 191505419
Conc: 33.87 ng/ml m



#10 gamma-Chlordane

R.T.: 5.043 min
Delta R.T.: 0.000 min
Response: 278423882
Conc: 31.88 ng/ml



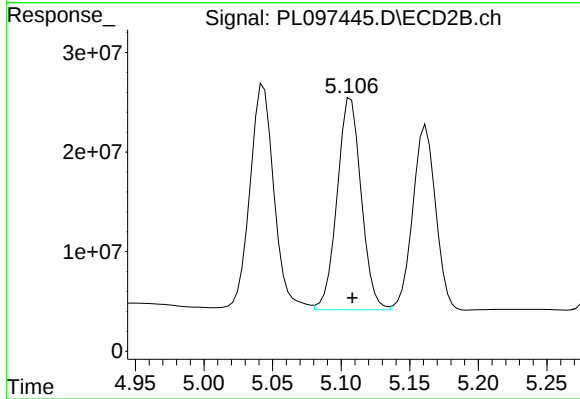
#11 alpha-Chlordane

R.T.: 5.982 min
Delta R.T.: -0.004 min
Response: 186530353
Conc: 32.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MSD

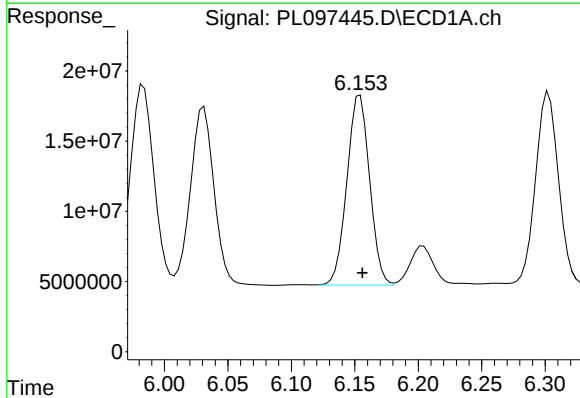
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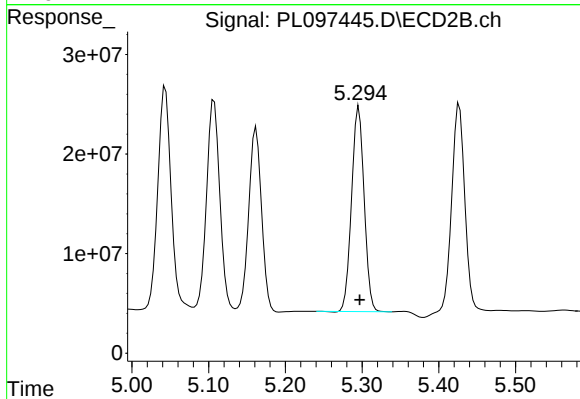
#11 alpha-Chlordane

R.T.: 5.107 min
Delta R.T.: 0.000 min
Response: 260452043
Conc: 31.38 ng/ml



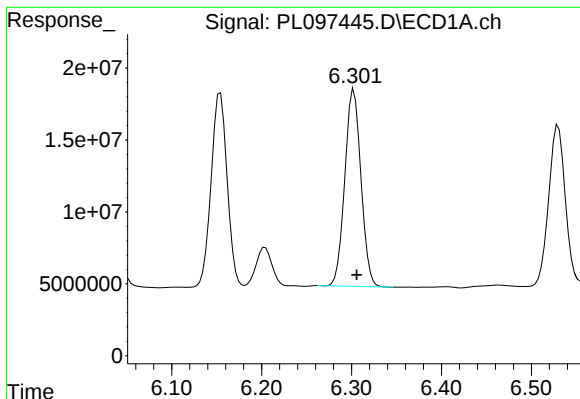
#12 4,4'-DDE

R.T.: 6.153 min
Delta R.T.: -0.003 min
Response: 168018221
Conc: 35.26 ng/ml m



#12 4,4'-DDE

R.T.: 5.296 min
Delta R.T.: -0.001 min
Response: 236212887
Conc: 30.74 ng/ml



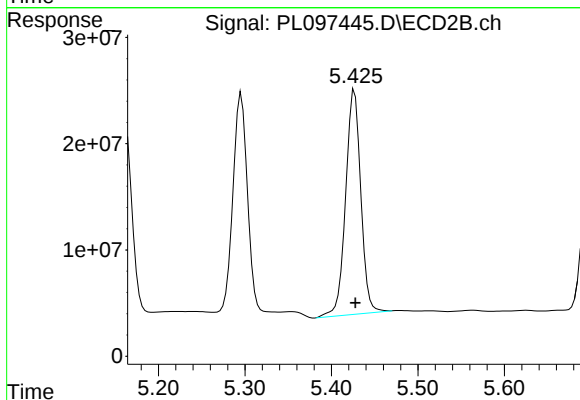
#13 Dieldrin

R.T.: 6.303 min
Delta R.T.: -0.003 min
Response: 171145238
Conc: 31.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MSD

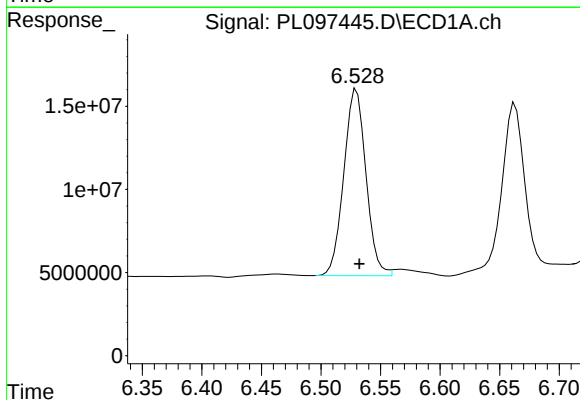
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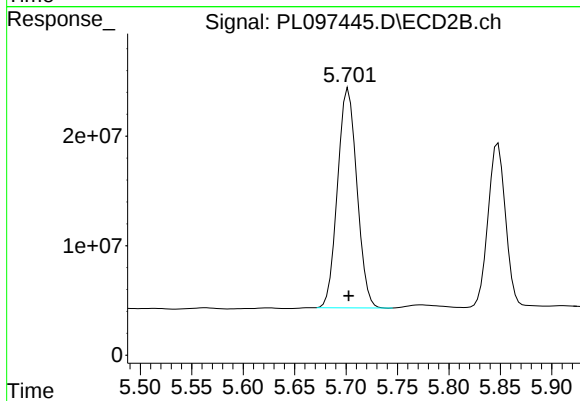
#13 Dieldrin

R.T.: 5.427 min
Delta R.T.: -0.001 min
Response: 257581303
Conc: 31.50 ng/ml



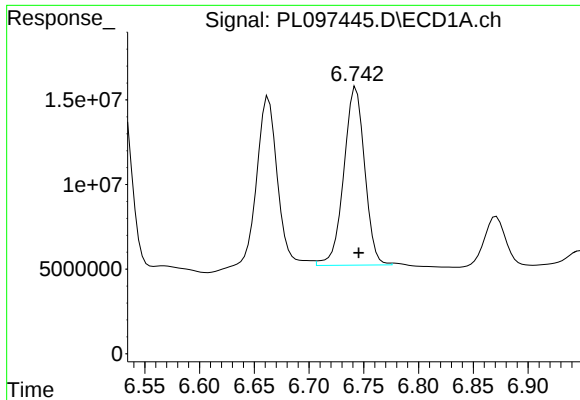
#14 Endrin

R.T.: 6.530 min
Delta R.T.: -0.002 min
Response: 145540048
Conc: 31.55 ng/ml



#14 Endrin

R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 262500342
Conc: 34.95 ng/ml



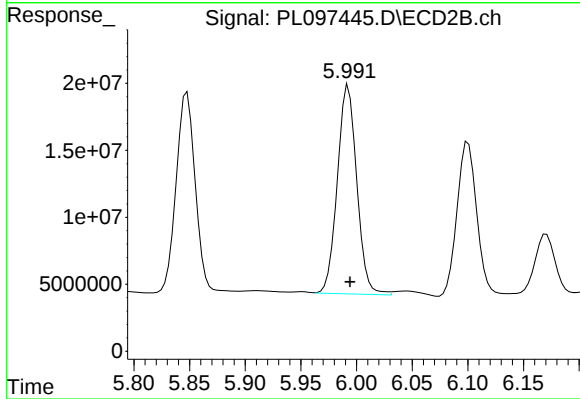
#15 Endosulfan II

R.T.: 6.742 min
Delta R.T.: -0.004 min
Response: 139448372
Conc: 28.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MSD

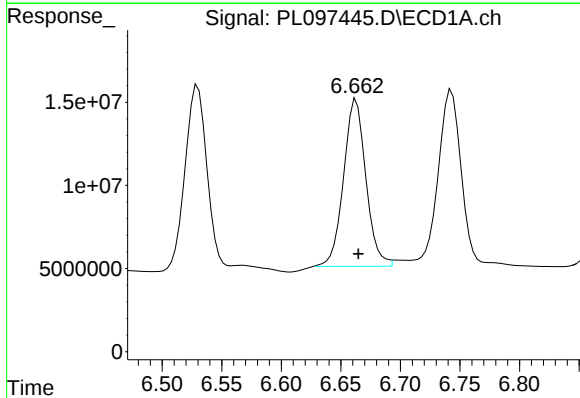
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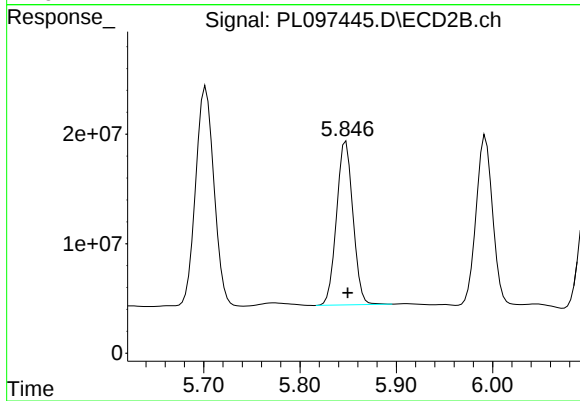
#15 Endosulfan II

R.T.: 5.993 min
Delta R.T.: -0.002 min
Response: 189509132
Conc: 26.66 ng/ml



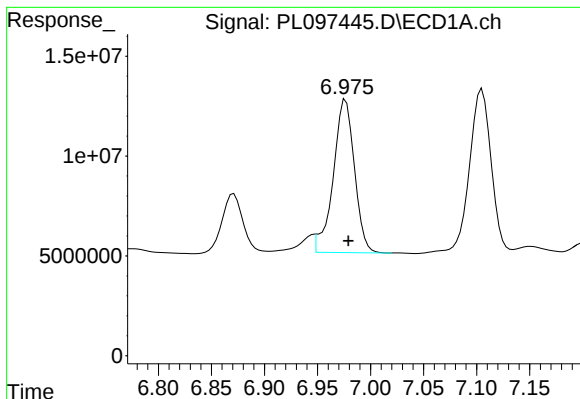
#16 4,4'-DDD

R.T.: 6.662 min
Delta R.T.: -0.003 min
Response: 131265232
Conc: 34.81 ng/ml m



#16 4,4'-DDD

R.T.: 5.848 min
Delta R.T.: -0.002 min
Response: 177019413
Conc: 27.45 ng/ml



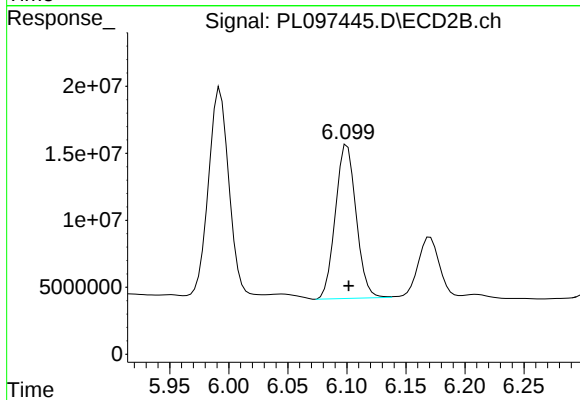
#17 4,4'-DDT

R.T.: 6.975 min
Delta R.T.: -0.004 min
Response: 105943231
Conc: 25.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MSD

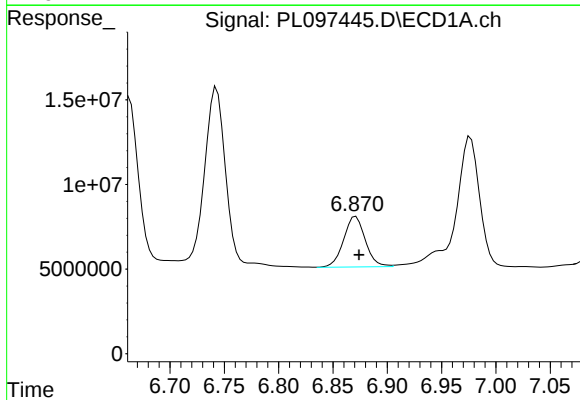
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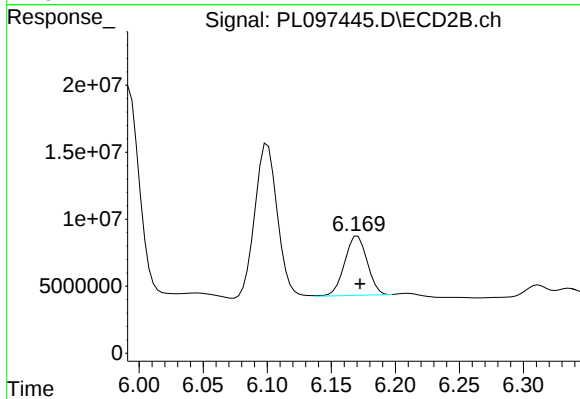
#17 4,4'-DDT

R.T.: 6.100 min
Delta R.T.: -0.001 min
Response: 140223995
Conc: 20.26 ng/ml



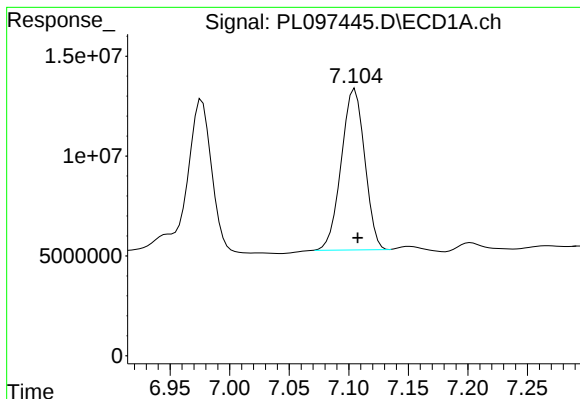
#18 Endrin aldehyde

R.T.: 6.870 min
Delta R.T.: -0.004 min
Response: 41692420
Conc: 13.52 ng/ml m



#18 Endrin aldehyde

R.T.: 6.171 min
Delta R.T.: -0.002 min
Response: 54187811
Conc: 10.15 ng/ml



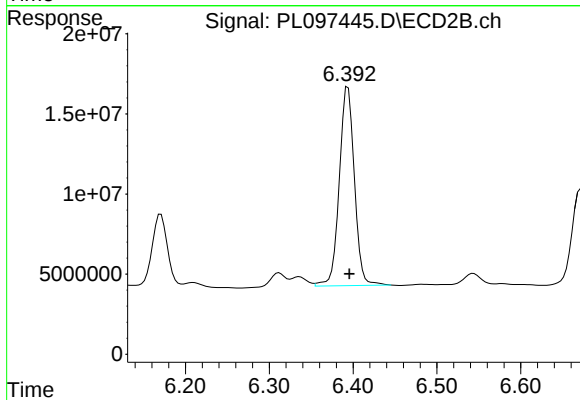
#19 Endosulfan Sulfate

R.T.: 7.105 min
Delta R.T.: -0.003 min
Response: 110412178
Conc: 27.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MSD

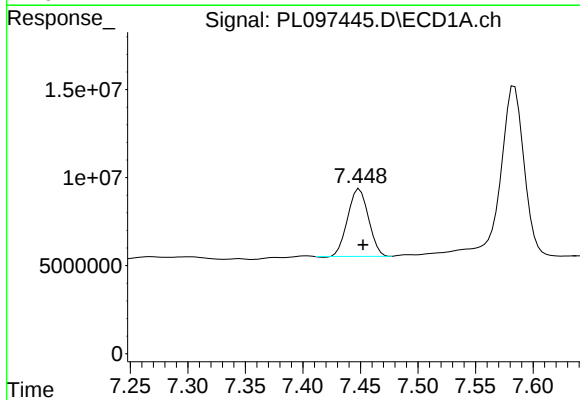
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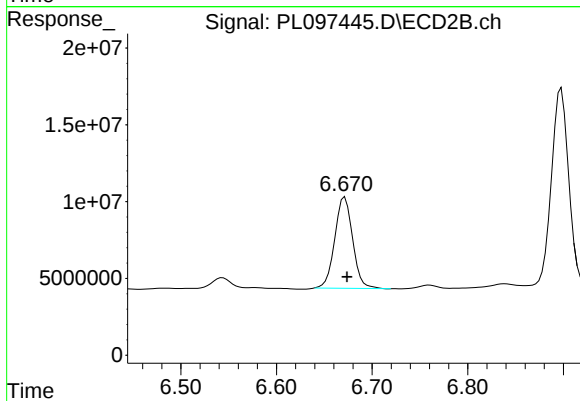
#19 Endosulfan Sulfate

R.T.: 6.394 min
Delta R.T.: -0.002 min
Response: 155758365
Conc: 22.74 ng/ml



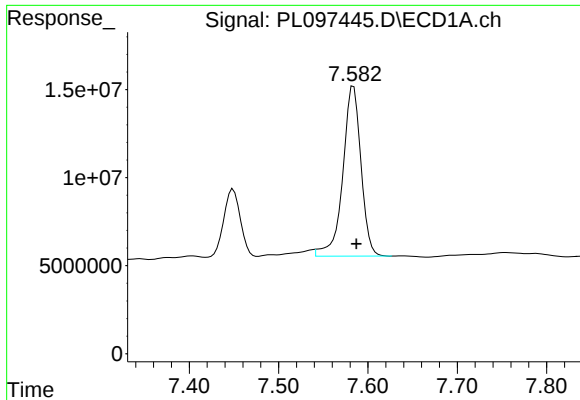
#20 Methoxychlor

R.T.: 7.449 min
Delta R.T.: -0.003 min
Response: 48410025
Conc: 23.21 ng/ml



#20 Methoxychlor

R.T.: 6.672 min
Delta R.T.: -0.002 min
Response: 77117673
Conc: 20.46 ng/ml



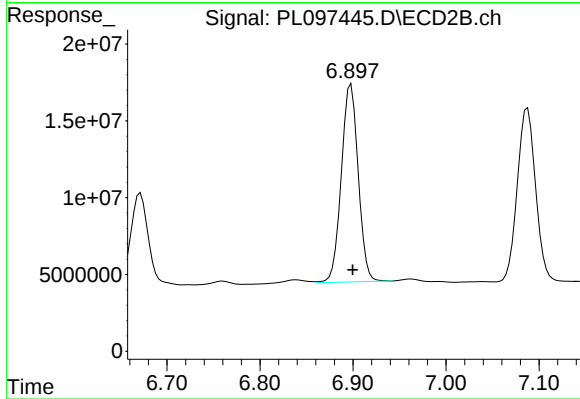
#21 Endrin ketone

R.T.: 7.582 min
Delta R.T.: -0.004 min
Response: 136328184
Conc: 32.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MSD

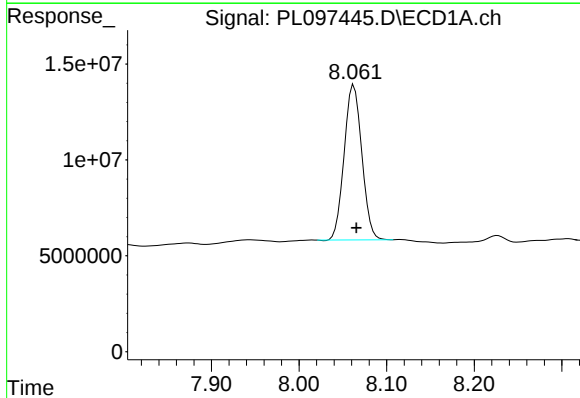
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :mohammad ahmed 10/03/2025



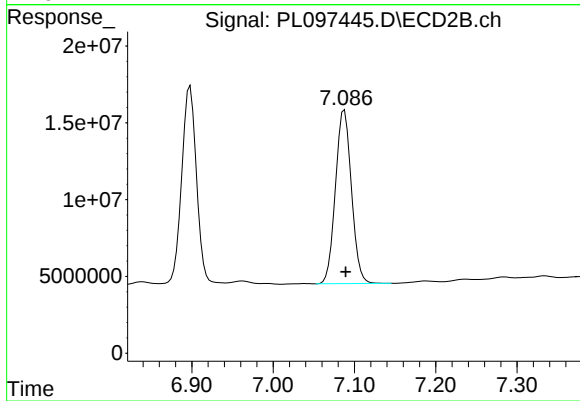
#21 Endrin ketone

R.T.: 6.898 min
Delta R.T.: -0.002 min
Response: 162414941
Conc: 21.57 ng/ml



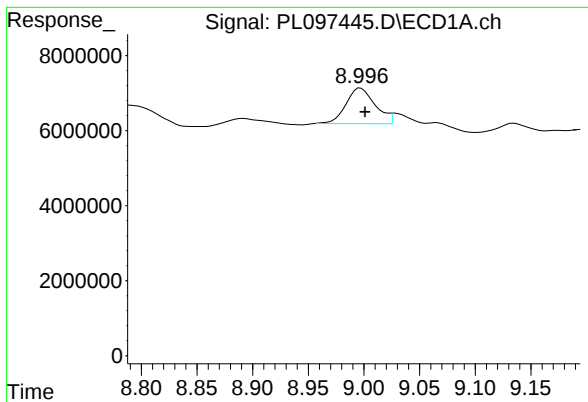
#22 Mirex

R.T.: 8.063 min
Delta R.T.: -0.003 min
Response: 113413947
Conc: 31.94 ng/ml



#22 Mirex

R.T.: 7.088 min
Delta R.T.: -0.002 min
Response: 154607425
Conc: 25.86 ng/ml



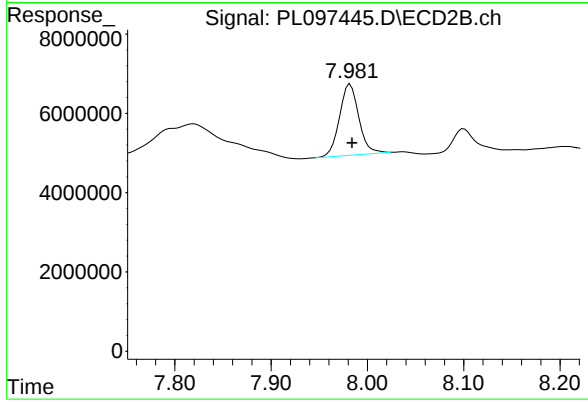
#28 Decachlorobiphenyl

R.T.: 8.996 min
Delta R.T.: -0.005 min
Response: 17767854
Conc: 5.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
EME-TS14-01MSD

Manual Integrations
APPROVED

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#28 Decachlorobiphenyl

R.T.: 7.982 min
Delta R.T.: -0.002 min
Response: 24895421
Conc: 4.37 ng/ml