

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122222\
 Data File : PL079846.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Dec 2022 13:38
 Operator : AR\AJ
 Sample : PB149843BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB149843BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 12/23/2022
 Supervised By : Ankita Jodhani 12/23/2022

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 22 20:34:18 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122022.M
 Quant Title : GC Extractables
 QLast Update : Wed Dec 21 10:00:39 2022
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.318	2.564	46209570	54532939	21.027	20.543
28)	SA Decachlor...	8.766	7.629	43538311	50098394	23.474	20.870
Target Compounds							
2)	A alpha-BHC	3.779	3.050	179.4E6	212.1E6	53.227	49.078
3)	MA gamma-BHC...	4.112	3.371	166.5E6	191.8E6	52.101	48.978
4)	MA Heptachlor	4.682	3.697	169.8E6	190.9E6	52.025	47.032
5)	MB Aldrin	5.020	3.968	162.3E6	188.2E6	53.840	49.100
6)	B beta-BHC	4.328	3.672	69185154	69430170	50.503	45.783
7)	B delta-BHC	4.569	3.891	151.8E6	192.9E6	56.515	48.461
8)	B Heptachlo...	5.454	4.465	152.5E6	165.8E6	57.605	47.518
9)	A Endosulfan I	5.838	4.827	135.0E6	154.3E6	51.995	46.031
10)	B gamma-Chl...	5.709	4.713	147.8E6	165.6E6	53.230	47.414
11)	B alpha-Chl...	5.785	4.775	145.5E6	162.1E6	52.322	47.191
12)	B 4,4'-DDE	5.969	4.969	129.4E6	154.5E6	53.643	48.038
13)	MA Dieldrin	6.115	5.089	144.9E6	173.1E6	54.890	50.006
14)	MA Endrin	6.346	5.360	124.7E6	152.3E6	53.317	53.568
15)	B Endosulfa...	6.577	5.657	124.2E6	142.9E6	50.976	48.514
16)	A 4,4'-DDD	6.494	5.519	106.4E6	133.7E6	54.253	52.482m
17)	MA 4,4'-DDT	6.803	5.766	113.1E6	127.1E6	50.500	46.918
18)	B Endrin al...	6.707	5.835	102.1E6	115.2E6	57.375	51.332
19)	B Endosulfa...	6.940	6.058	122.8E6	139.7E6	53.510	48.150
20)	A Methoxychlor	7.288	6.343	59829662	67739336	50.758	47.769
21)	B Endrin ke...	7.426	6.552	130.5E6	162.3E6	53.448	50.812m
22)	Mirex	7.883	6.725	101.7E6	115.6E6	53.065	47.354

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

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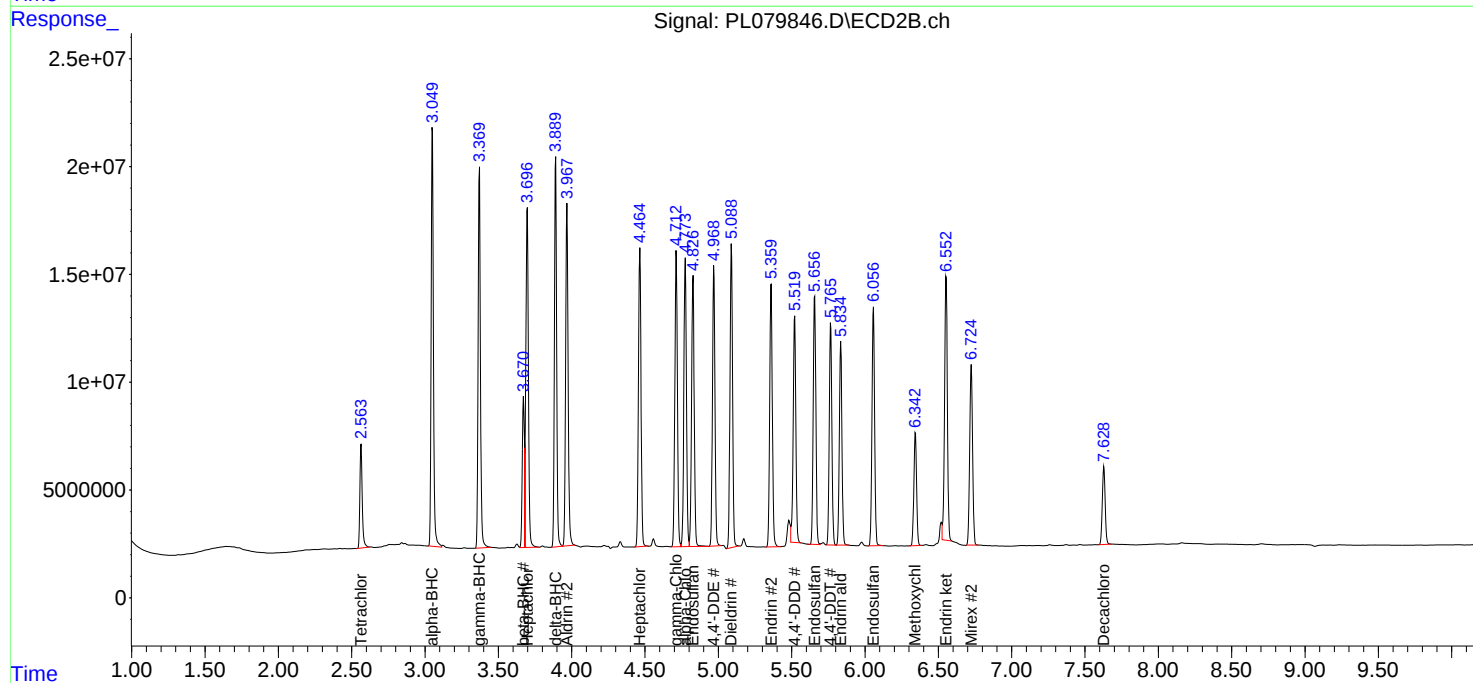
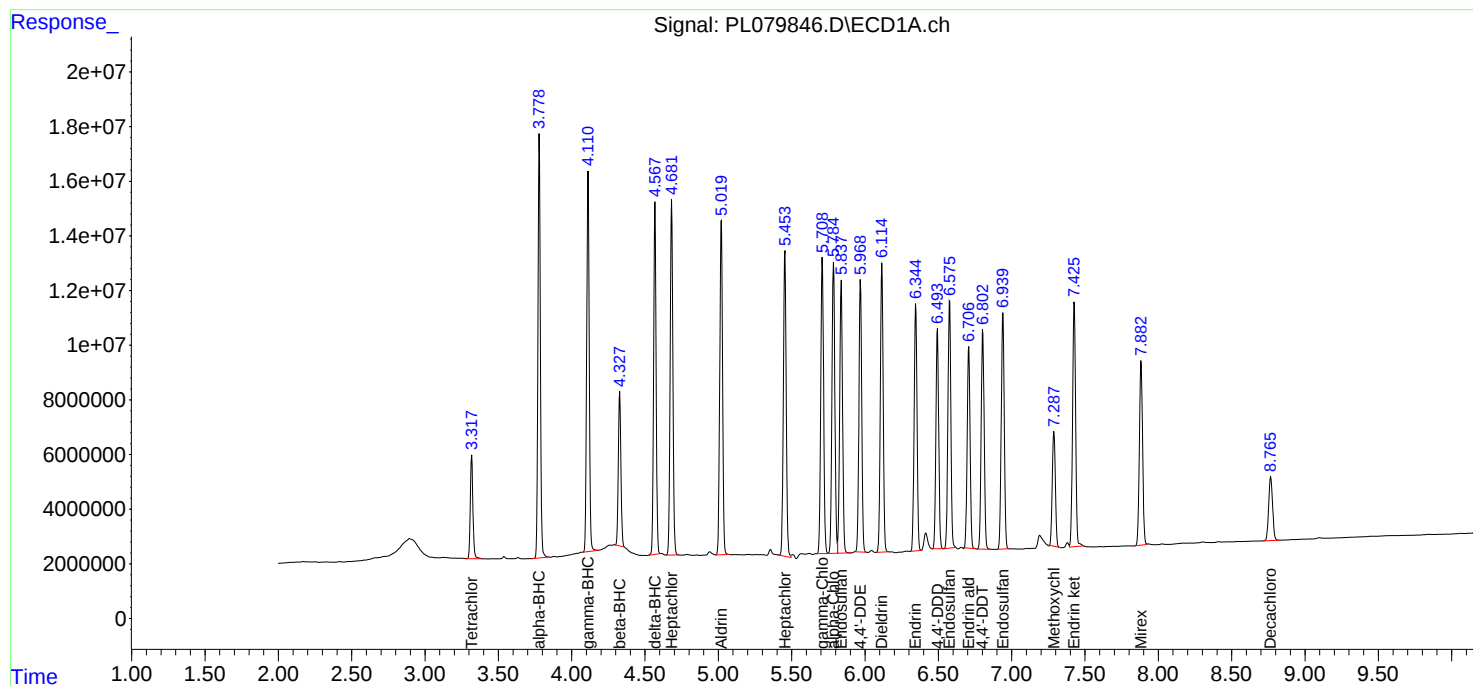
Manual Integrations

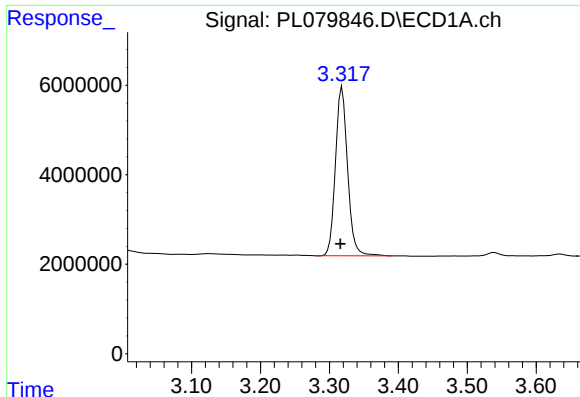
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Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 22 20:34:18 2022
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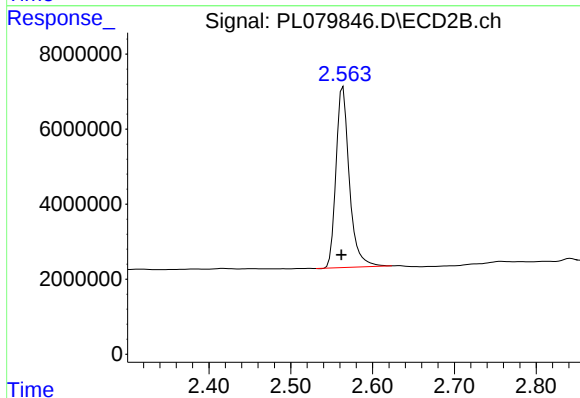
#1 Tetrachloro-m-xylene

R.T.: 3.318 min
Delta R.T.: 0.002 min
Response: 46209570
Conc: 21.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB149843BS

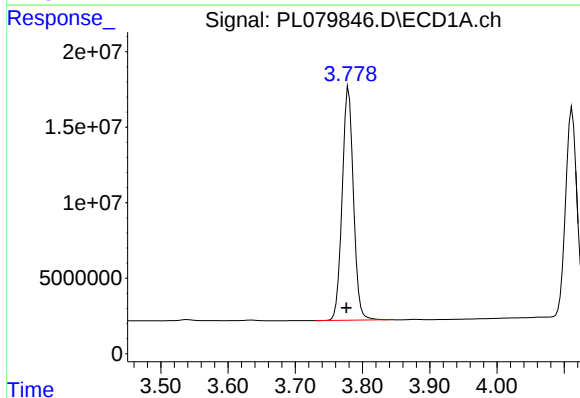
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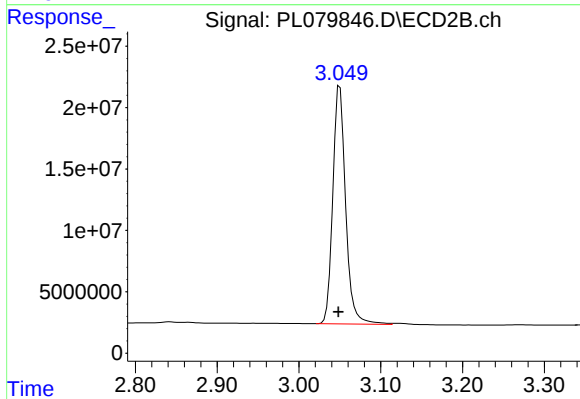
#1 Tetrachloro-m-xylene

R.T.: 2.564 min
Delta R.T.: 0.002 min
Response: 54532939
Conc: 20.54 ng/ml



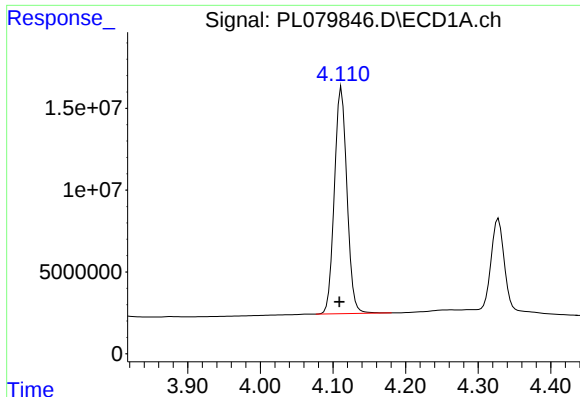
#2 alpha-BHC

R.T.: 3.779 min
Delta R.T.: 0.003 min
Response: 179440639
Conc: 53.23 ng/ml



#2 alpha-BHC

R.T.: 3.050 min
Delta R.T.: 0.002 min
Response: 212106382
Conc: 49.08 ng/ml



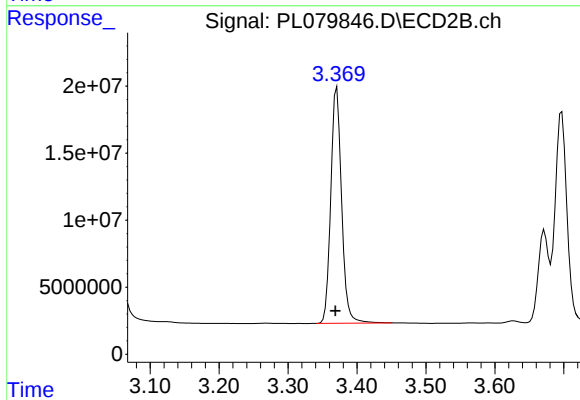
#3 gamma-BHC (Lindane)

R.T.: 4.112 min
Delta R.T.: 0.003 min
Response: 166470712
Conc: 52.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB149843BS

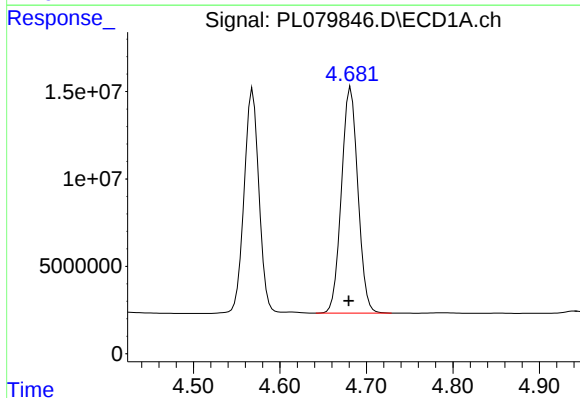
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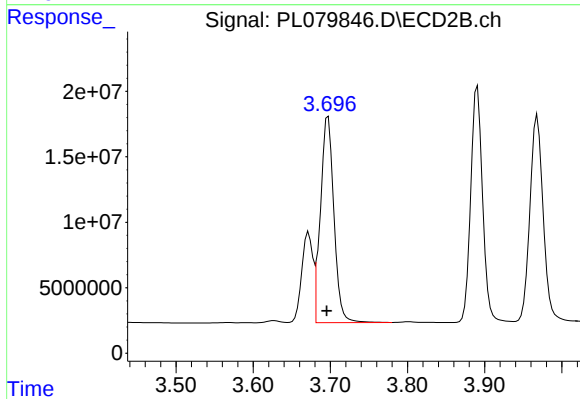
#3 gamma-BHC (Lindane)

R.T.: 3.371 min
Delta R.T.: 0.002 min
Response: 191821937
Conc: 48.98 ng/ml



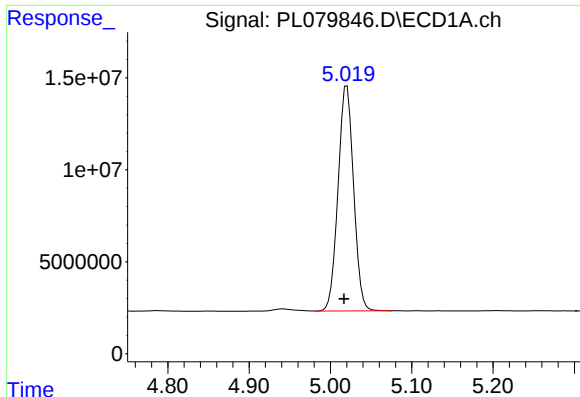
#4 Heptachlor

R.T.: 4.682 min
Delta R.T.: 0.003 min
Response: 169761010
Conc: 52.02 ng/ml



#4 Heptachlor

R.T.: 3.697 min
Delta R.T.: 0.002 min
Response: 190914082
Conc: 47.03 ng/ml



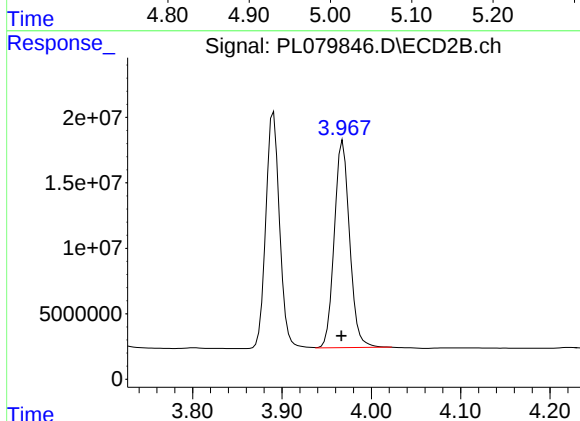
#5 Aldrin

R.T.: 5.020 min
Delta R.T.: 0.004 min
Response: 162349024
Conc: 53.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB149843BS

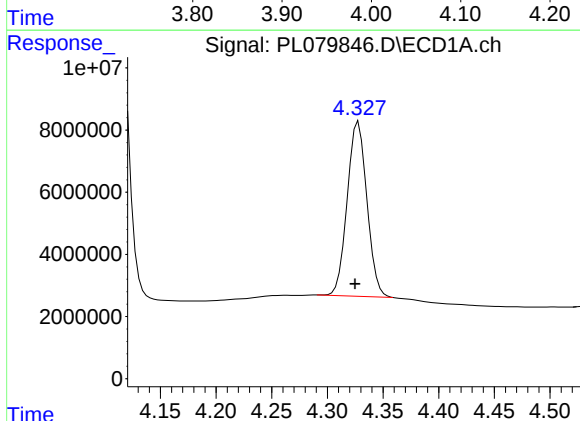
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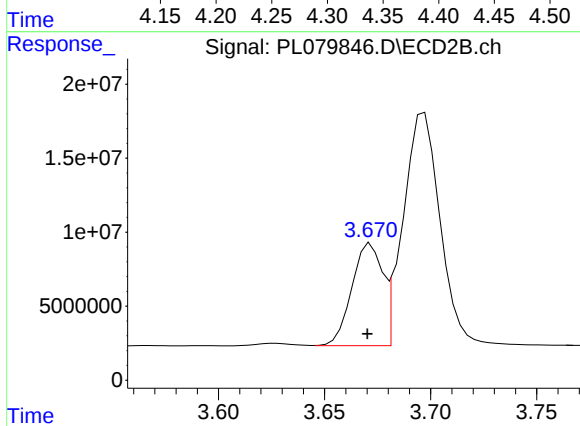
#5 Aldrin

R.T.: 3.968 min
Delta R.T.: 0.002 min
Response: 188209148
Conc: 49.10 ng/ml



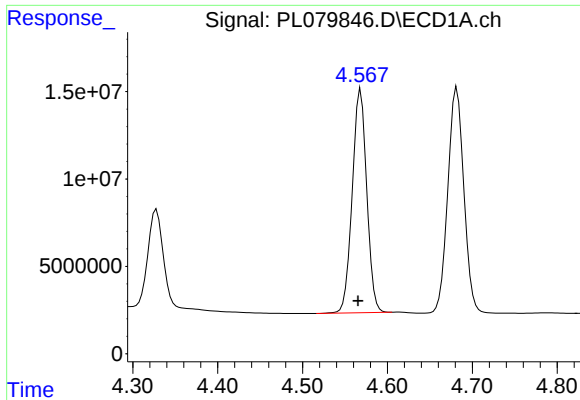
#6 beta-BHC

R.T.: 4.328 min
Delta R.T.: 0.003 min
Response: 69185154
Conc: 50.50 ng/ml



#6 beta-BHC

R.T.: 3.672 min
Delta R.T.: 0.002 min
Response: 69430170
Conc: 45.78 ng/ml



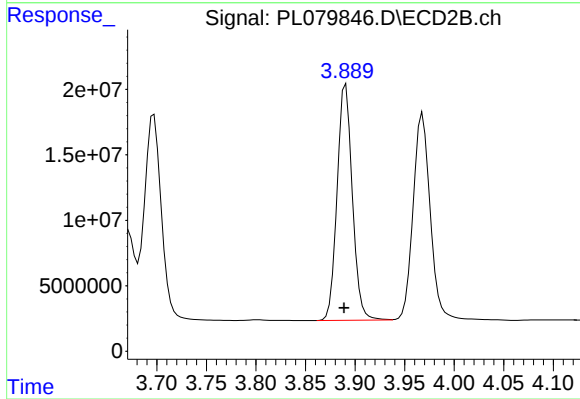
#7 delta-BHC

R.T.: 4.569 min
Delta R.T.: 0.003 min
Response: 151772404
Conc: 56.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB149843BS

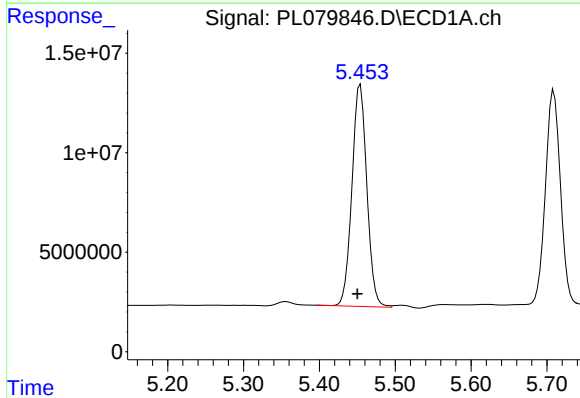
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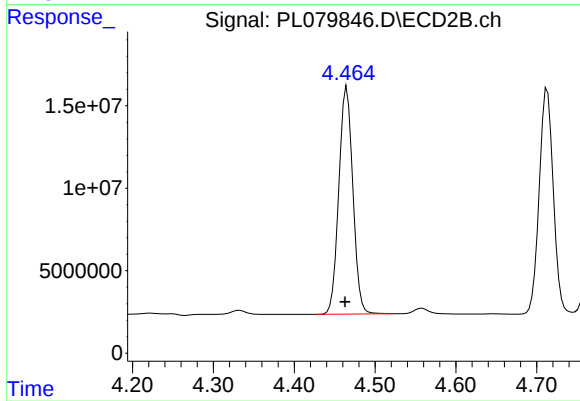
#7 delta-BHC

R.T.: 3.891 min
Delta R.T.: 0.002 min
Response: 192875050
Conc: 48.46 ng/ml



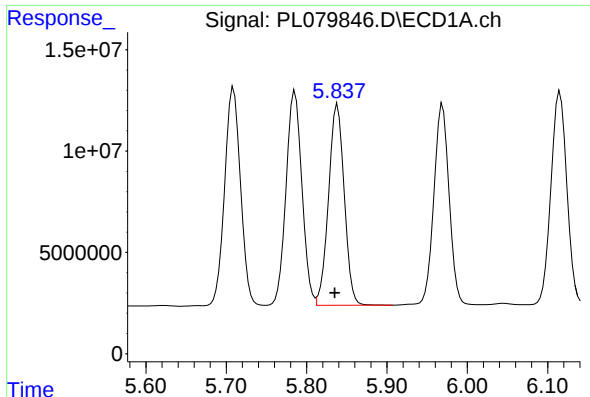
#8 Heptachlor epoxide

R.T.: 5.454 min
Delta R.T.: 0.004 min
Response: 152513381
Conc: 57.61 ng/ml



#8 Heptachlor epoxide

R.T.: 4.465 min
Delta R.T.: 0.002 min
Response: 165814875
Conc: 47.52 ng/ml



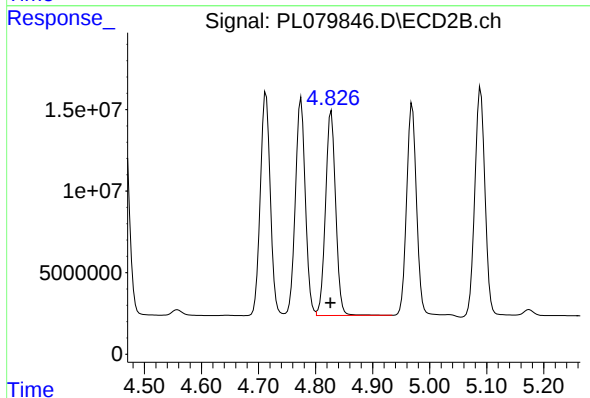
#9 Endosulfan I

R.T.: 5.838 min
Delta R.T.: 0.003 min
Response: 134978144
Conc: 52.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB149843BS

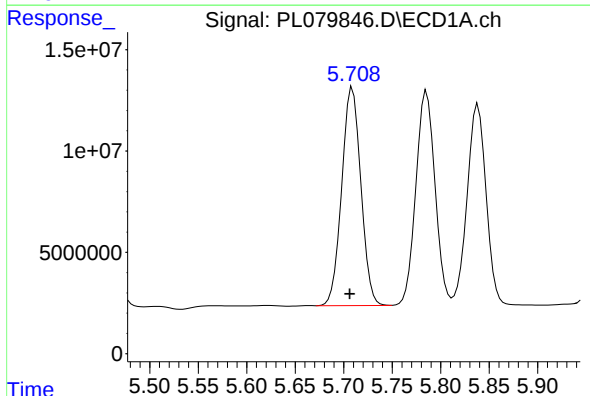
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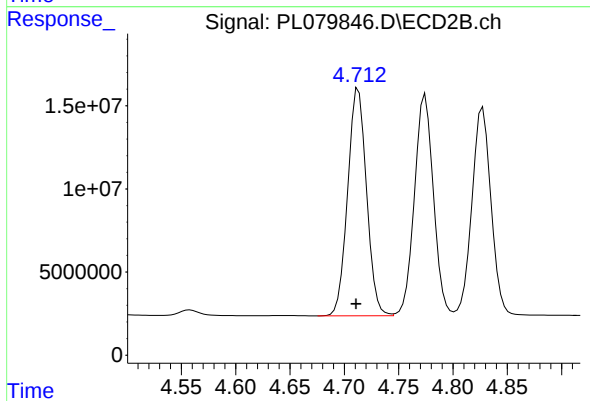
#9 Endosulfan I

R.T.: 4.827 min
Delta R.T.: 0.002 min
Response: 154267631
Conc: 46.03 ng/ml



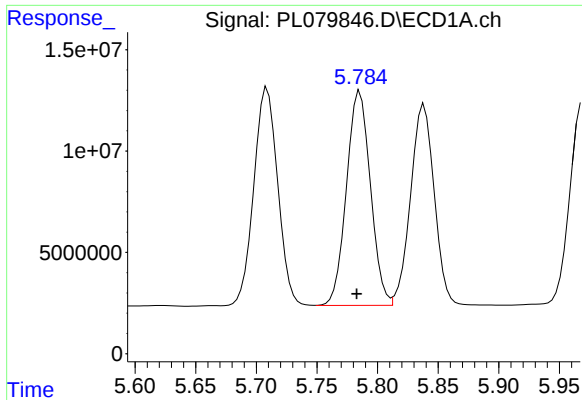
#10 gamma-Chlordane

R.T.: 5.709 min
Delta R.T.: 0.003 min
Response: 147776263
Conc: 53.23 ng/ml



#10 gamma-Chlordane

R.T.: 4.713 min
Delta R.T.: 0.002 min
Response: 165619768
Conc: 47.41 ng/ml



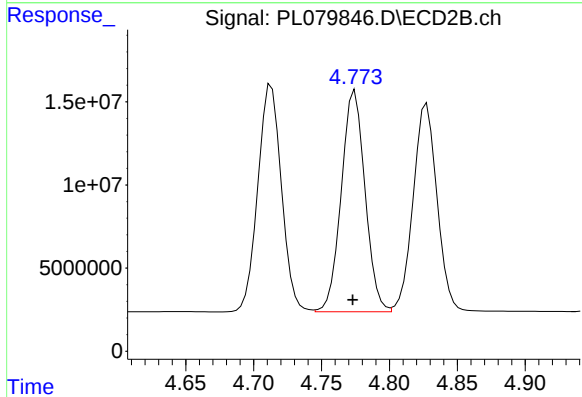
#11 alpha-Chlordane

R.T.: 5.785 min
Delta R.T.: 0.003 min
Response: 145527529
Conc: 52.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB149843BS

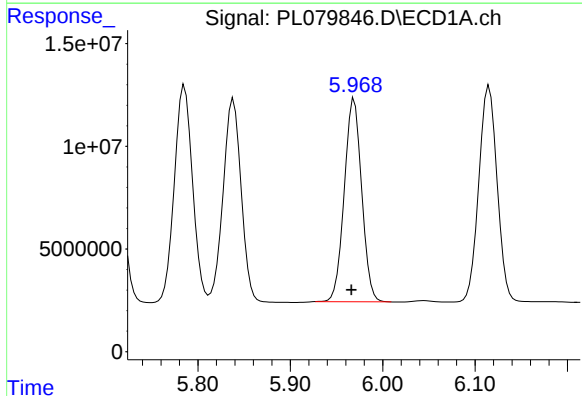
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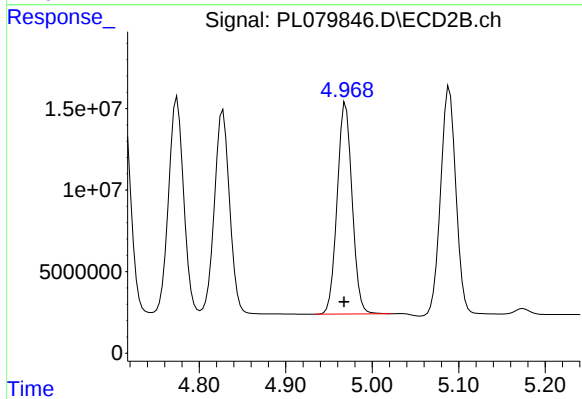
#11 alpha-Chlordane

R.T.: 4.775 min
Delta R.T.: 0.002 min
Response: 162082490
Conc: 47.19 ng/ml



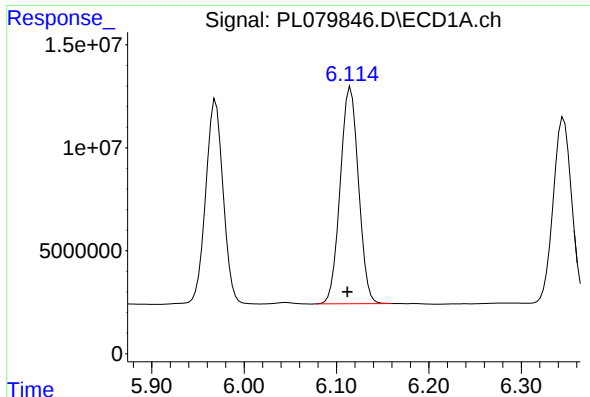
#12 4,4'-DDE

R.T.: 5.969 min
Delta R.T.: 0.003 min
Response: 129371899
Conc: 53.64 ng/ml



#12 4,4'-DDE

R.T.: 4.969 min
Delta R.T.: 0.002 min
Response: 154459580
Conc: 48.04 ng/ml



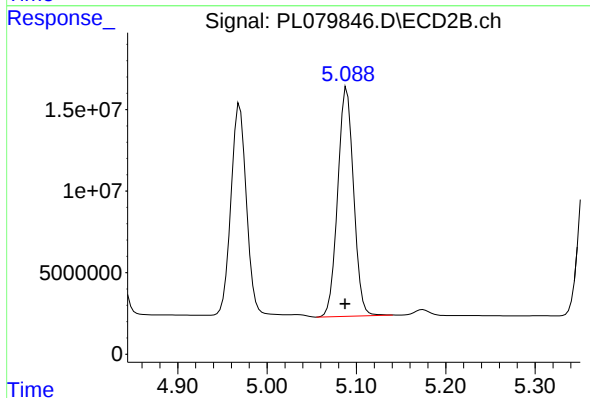
#13 Dieldrin

R.T.: 6.115 min
Delta R.T.: 0.004 min
Response: 144855694
Conc: 54.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB149843BS

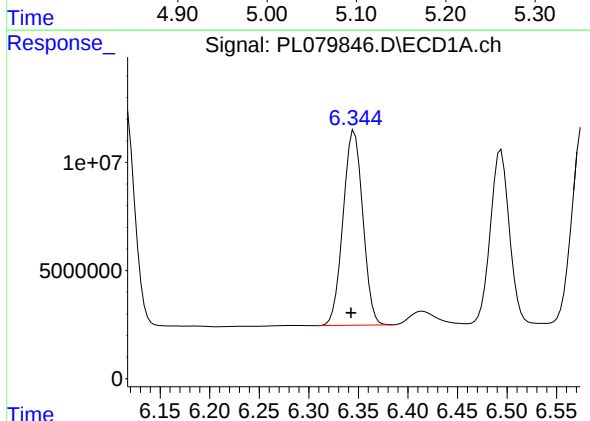
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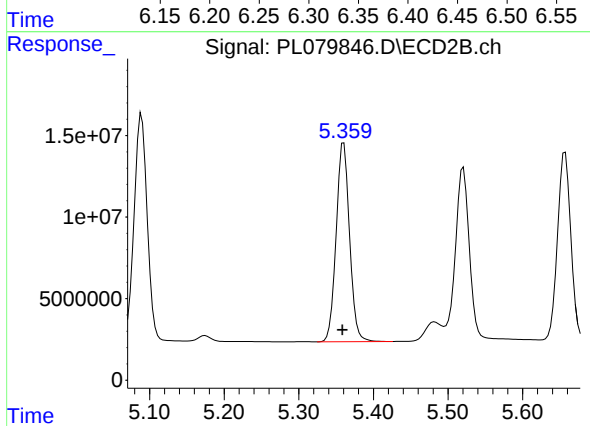
#13 Dieldrin

R.T.: 5.089 min
Delta R.T.: 0.002 min
Response: 173057908
Conc: 50.01 ng/ml



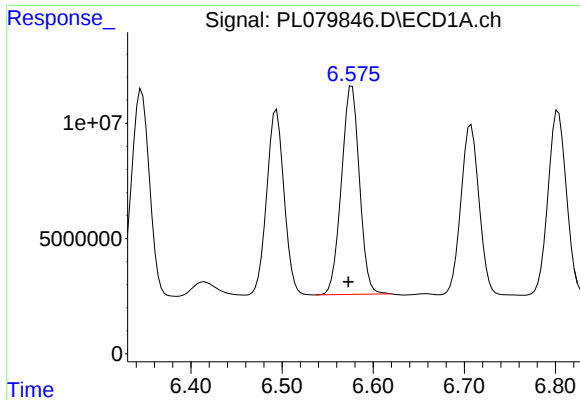
#14 Endrin

R.T.: 6.346 min
Delta R.T.: 0.003 min
Response: 124680184
Conc: 53.32 ng/ml



#14 Endrin

R.T.: 5.360 min
Delta R.T.: 0.002 min
Response: 152252372
Conc: 53.57 ng/ml



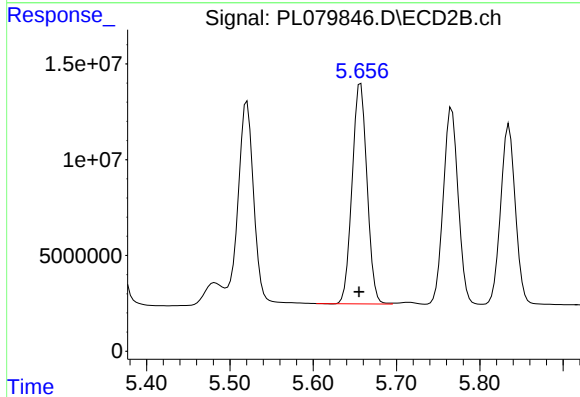
#15 Endosulfan II

R.T.: 6.577 min
Delta R.T.: 0.004 min
Response: 124192811
Conc: 50.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB149843BS

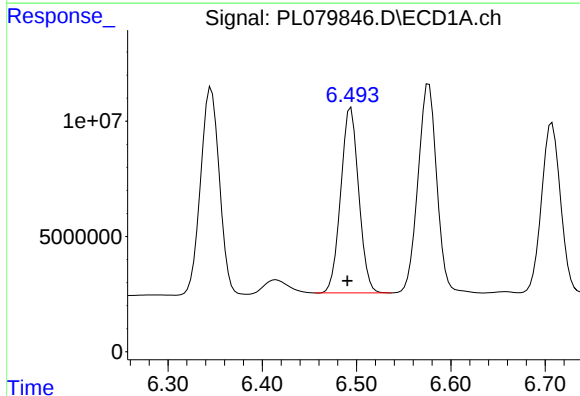
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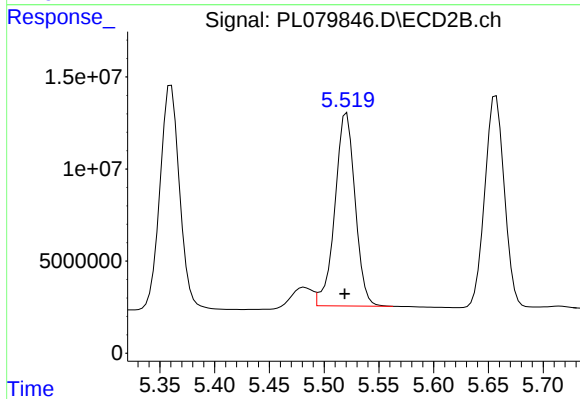
#15 Endosulfan II

R.T.: 5.657 min
Delta R.T.: 0.002 min
Response: 142883090
Conc: 48.51 ng/ml



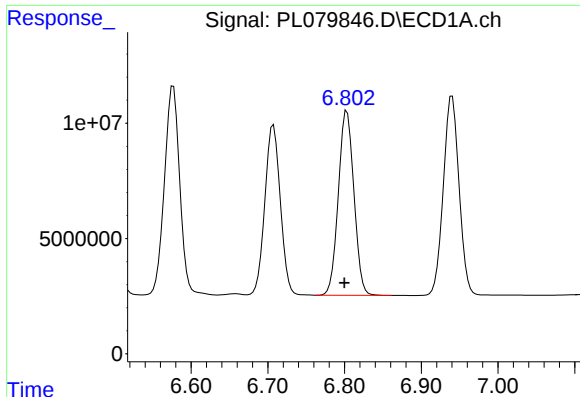
#16 4,4'-DDD

R.T.: 6.494 min
Delta R.T.: 0.004 min
Response: 106403728
Conc: 54.25 ng/ml



#16 4,4'-DDD

R.T.: 5.519 min
Delta R.T.: 0.000 min
Response: 133690881
Conc: 52.48 ng/ml m



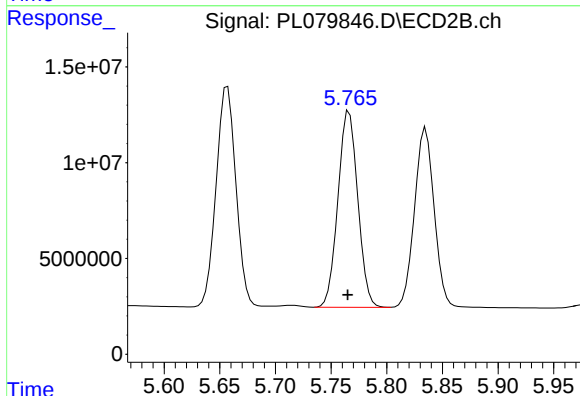
#17 4,4'-DDT

R.T.: 6.803 min
Delta R.T.: 0.003 min
Response: 113057287
Conc: 50.50 ng/ml

Instrument :
ECD_L
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PB149843BS

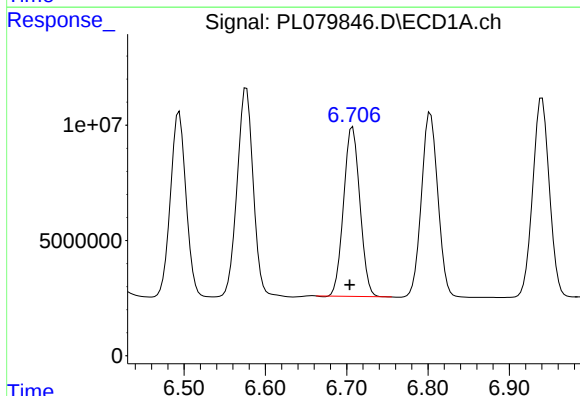
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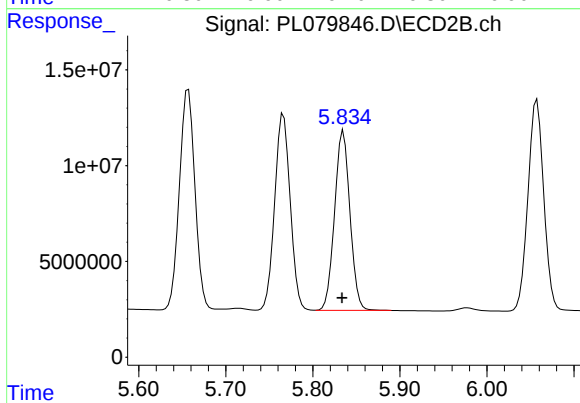
#17 4,4'-DDT

R.T.: 5.766 min
Delta R.T.: 0.001 min
Response: 127107651
Conc: 46.92 ng/ml



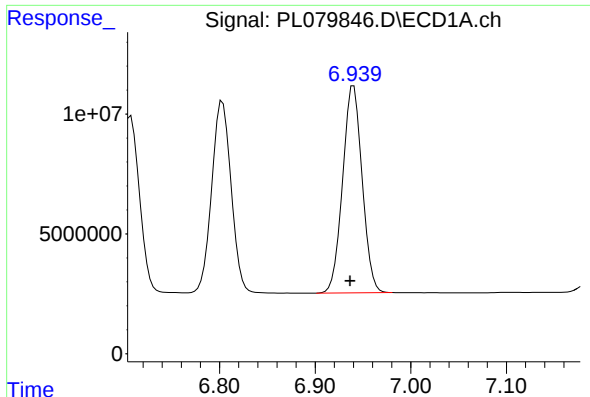
#18 Endrin aldehyde

R.T.: 6.707 min
Delta R.T.: 0.004 min
Response: 102074950
Conc: 57.38 ng/ml



#18 Endrin aldehyde

R.T.: 5.835 min
Delta R.T.: 0.002 min
Response: 115168679
Conc: 51.33 ng/ml



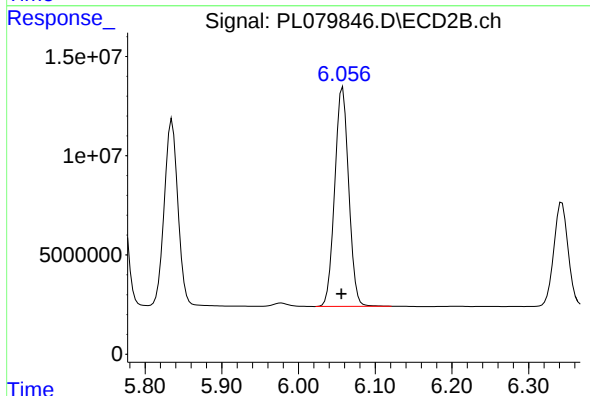
#19 Endosulfan Sulfate

R.T.: 6.940 min
Delta R.T.: 0.003 min
Response: 122784786
Conc: 53.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB149843BS

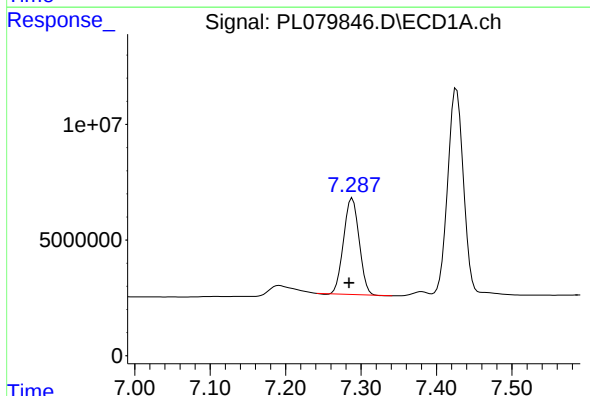
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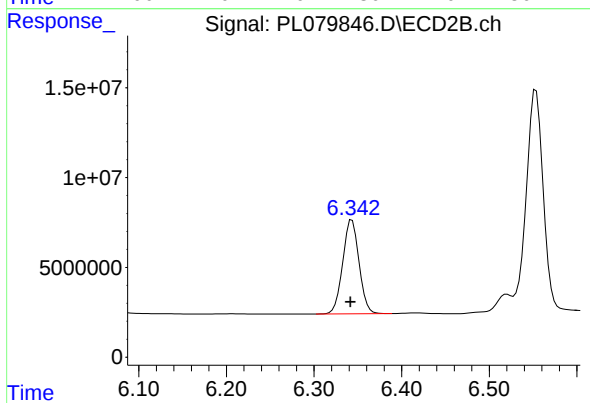
#19 Endosulfan Sulfate

R.T.: 6.058 min
Delta R.T.: 0.002 min
Response: 139736136
Conc: 48.15 ng/ml



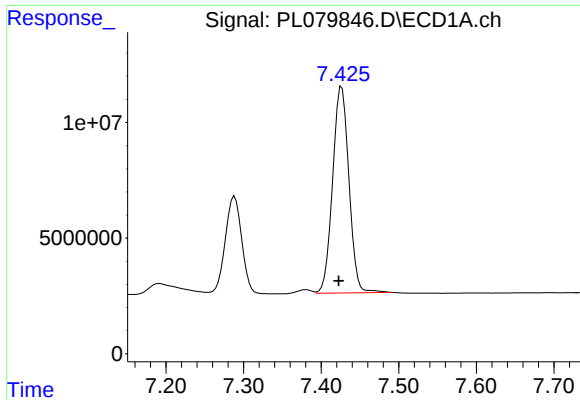
#20 Methoxychlor

R.T.: 7.288 min
Delta R.T.: 0.004 min
Response: 59829662
Conc: 50.76 ng/ml



#20 Methoxychlor

R.T.: 6.343 min
Delta R.T.: 0.002 min
Response: 67739336
Conc: 47.77 ng/ml



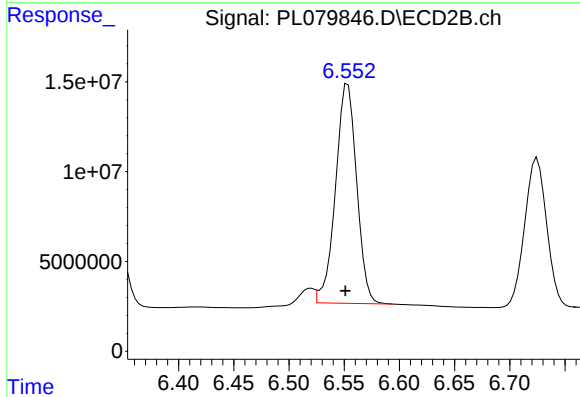
#21 Endrin ketone

R.T.: 7.426 min
Delta R.T.: 0.004 min
Response: 130499697
Conc: 53.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB149843BS

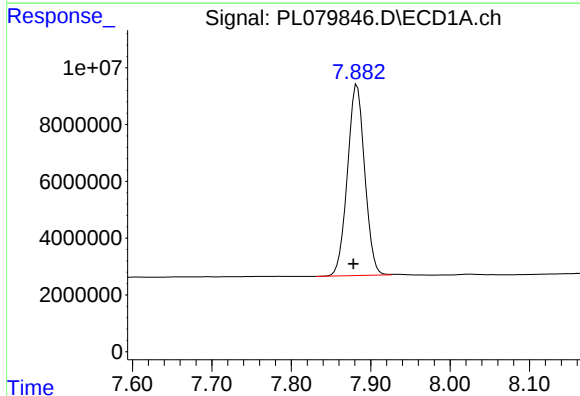
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/23/2022
Supervised By :Ankita Jodhani 12/23/2022



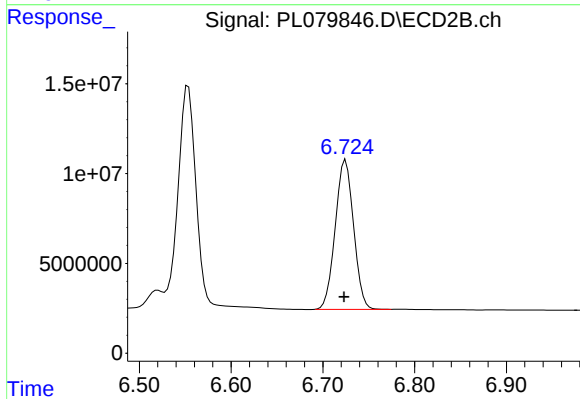
#21 Endrin ketone

R.T.: 6.552 min
Delta R.T.: 0.000 min
Response: 162272970
Conc: 50.81 ng/ml m



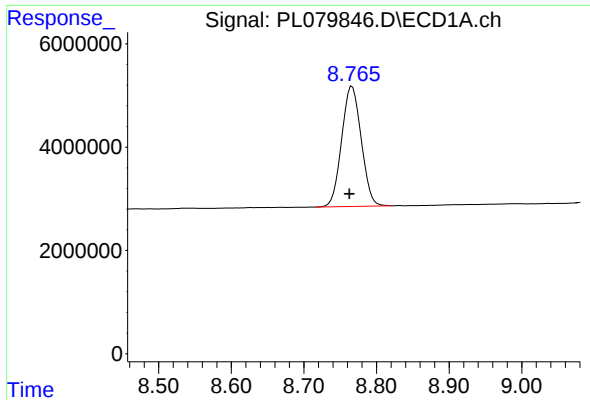
#22 Mirex

R.T.: 7.883 min
Delta R.T.: 0.005 min
Response: 101691466
Conc: 53.07 ng/ml



#22 Mirex

R.T.: 6.725 min
Delta R.T.: 0.002 min
Response: 115644509
Conc: 47.35 ng/ml



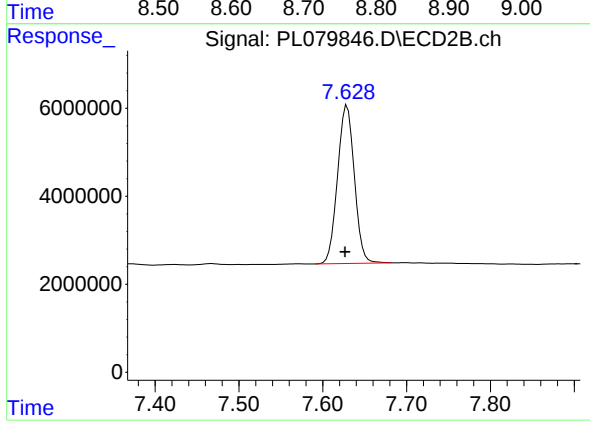
#28 Decachlorobiphenyl

R.T.: 8.766 min
Delta R.T.: 0.004 min
Response: 43538311
Conc: 23.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB149843BS

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.629 min
Delta R.T.: 0.003 min
Response: 50098394
Conc: 20.87 ng/ml