

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112921\
 Data File : PL071178.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Nov 2021 13:42
 Operator : AR\AJ
 Sample : M4843-01MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 L-1MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 11/30/2021
 Supervised By : mohammad ahmed 11/30/2021

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 29 21:04:02 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL110321.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 04 19:28:07 2021
 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...	4.565	5.501	10405781	25812383	21.245	20.472
28)	SA Decachlor...	10.329	11.392	11844525	21926280	17.334	16.395
Target Compounds							
2)	A alpha-BHC	5.271	6.081	34602323	96136057	51.691	52.225
3)	MA gamma-BHC...	5.694	6.477	34485316	86274505	51.410	49.753
4)	MA Heptachlor	6.102	7.124	50813848	114.8E6	70.820	70.706
5)	MB Aldrin	6.426	7.493	34740583	108.4E6	54.328	66.745
6)	B beta-BHC	6.076	6.734	14741494	41053188	45.382m	47.913
7)	B delta-BHC	6.337	7.000	34389777	79423677	51.963	47.495
8)	B Heptachlo...	7.003	7.959	34253157	96984683	52.685	63.632
9)	A Endosulfan I	7.405	8.365	32839156	64803785	53.609	45.046
10)	B gamma-Chl...	7.280	8.229	75433690	178.5E6	113.635	115.255m
11)	B alpha-Chl...	7.350	8.311	73679100	182.9E6	110.569	120.283
12)	B 4,4'-DDE	7.565	8.500	31695664	67581834	54.401	45.802
13)	MA Dieldrin	7.691	8.654	35419726	78180054	56.743	53.654
14)	MA Endrin	7.983	8.893	30175609	58492454	53.223	50.499
15)	B Endosulfa...	8.295	9.128	36790446	59832274	60.776	48.989
16)	A 4,4'-DDD	8.151	9.038	24683973	57546344	48.581	47.819m
17)	MA 4,4'-DDT	8.411	9.356	26457982	57140515	48.108	45.293
18)	B Endrin al...	8.482	9.262	24350558	46715817	53.598	48.307m
19)	B Endosulfa...	8.714	9.501	28781641	57196207	46.656	46.148
20)	A Methoxychlor	9.006	9.843	15958207	27778568	43.621	41.044
21)	B Endrin ke...	9.232	9.997	32106193	63231200	44.900	44.048
22)	Mirex	9.413	10.462	29621772	50586262	48.233m	48.566

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

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 ALS Vial : 11 Sample Multiplier: 1

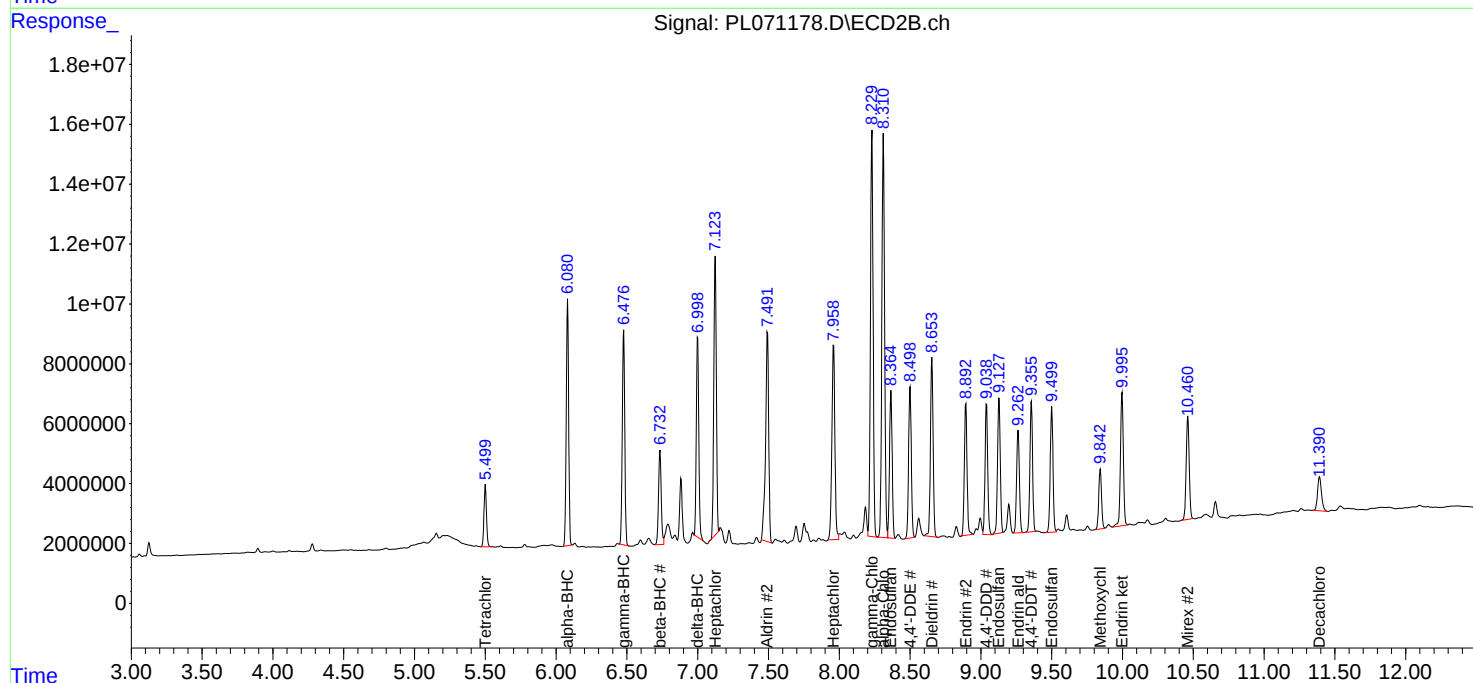
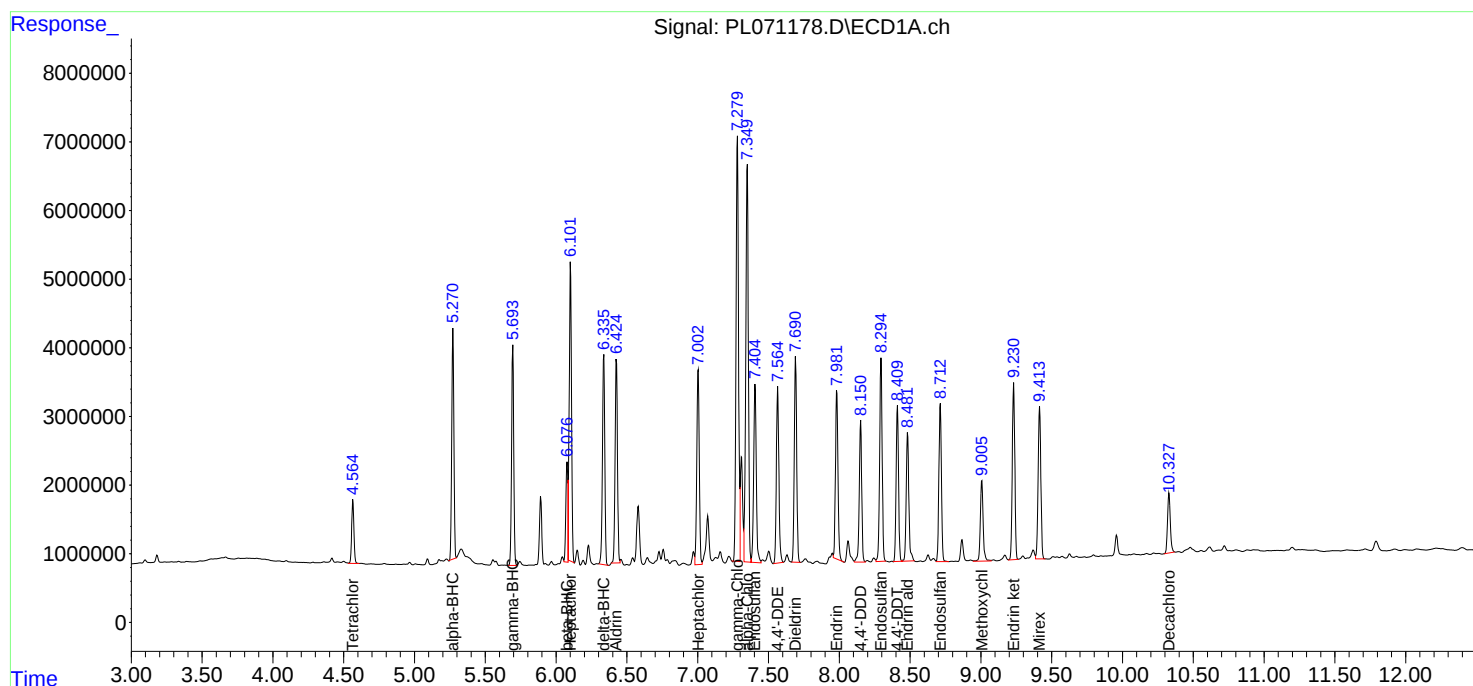
Instrument :
 ECD_L
 ClientSampleId :
 L-1MSD

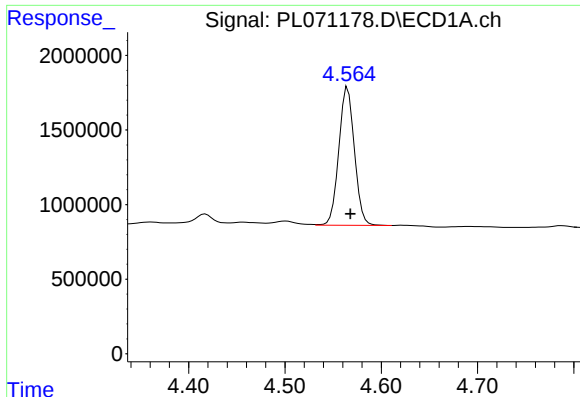
Manual Integrations APPROVED

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 Supervised By :mohammad ahmed 11/30/2021

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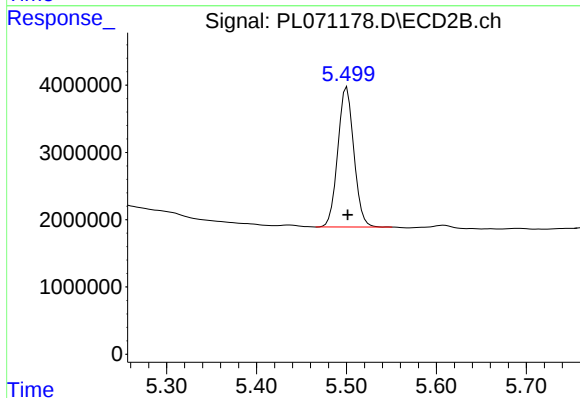
#1 Tetrachloro-m-xylene

R.T.: 4.565 min
Delta R.T.: -0.003 min
Response: 10405781
Conc: 21.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
L-1MSD

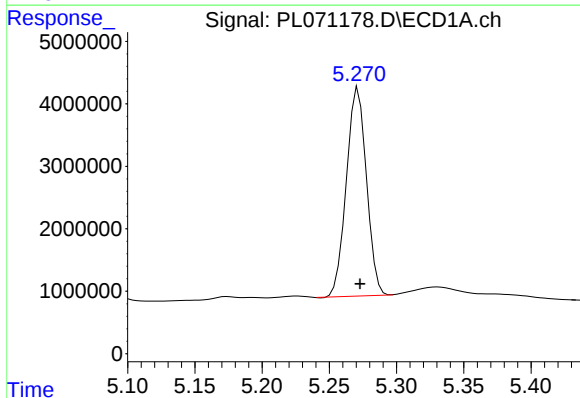
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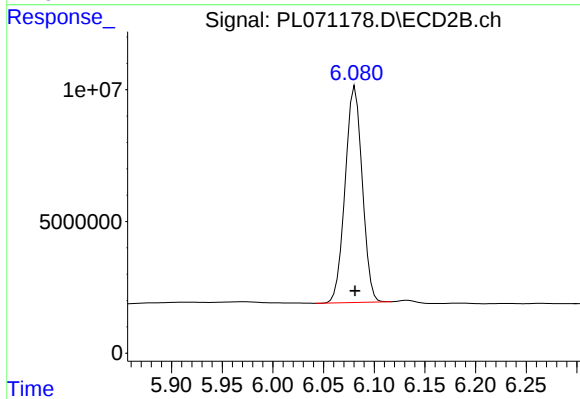
#1 Tetrachloro-m-xylene

R.T.: 5.501 min
Delta R.T.: 0.000 min
Response: 25812383
Conc: 20.47 ng/ml



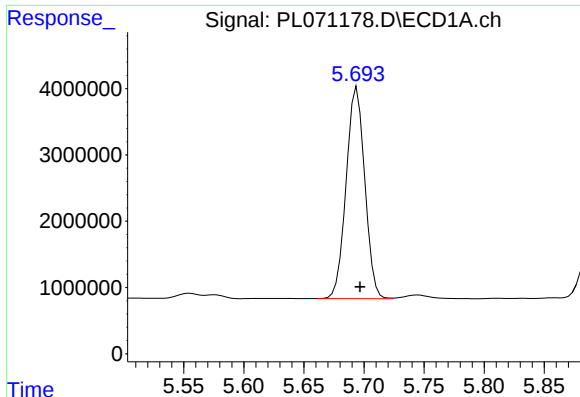
#2 alpha-BHC

R.T.: 5.271 min
Delta R.T.: -0.001 min
Response: 34602323
Conc: 51.69 ng/ml



#2 alpha-BHC

R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 96136057
Conc: 52.22 ng/ml



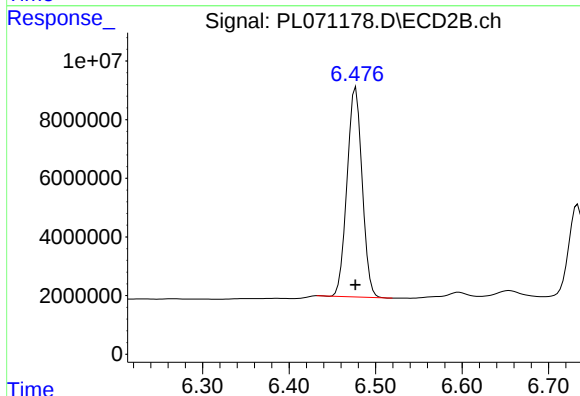
#3 gamma-BHC (Lindane)

R.T.: 5.694 min
Delta R.T.: -0.002 min
Response: 34485316
Conc: 51.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
L-1MSD

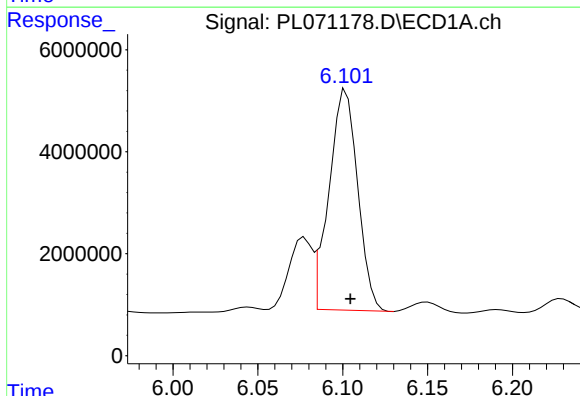
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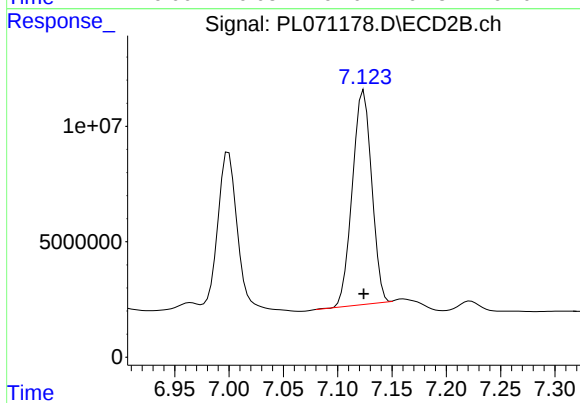
#3 gamma-BHC (Lindane)

R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 86274505
Conc: 49.75 ng/ml



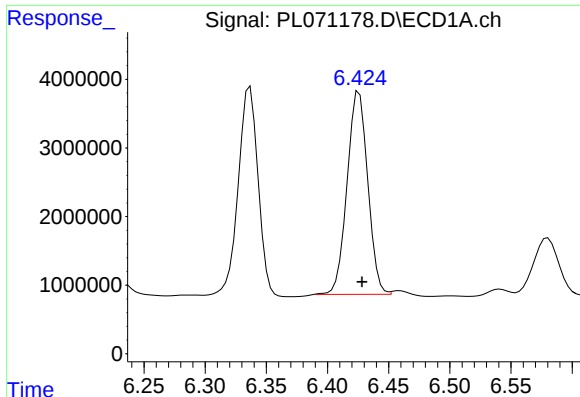
#4 Heptachlor

R.T.: 6.102 min
Delta R.T.: -0.003 min
Response: 50813848
Conc: 70.82 ng/ml



#4 Heptachlor

R.T.: 7.124 min
Delta R.T.: 0.000 min
Response: 114845664
Conc: 70.71 ng/ml



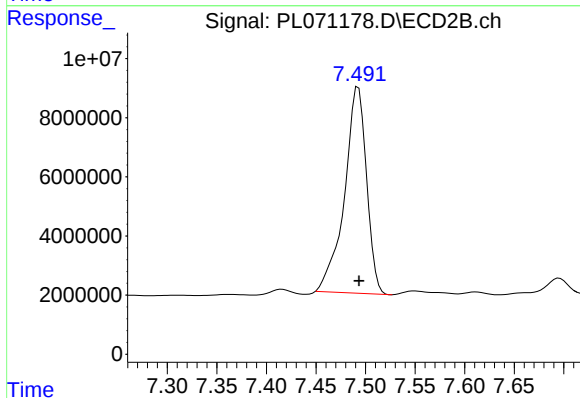
#5 Aldrin

R.T.: 6.426 min
Delta R.T.: -0.002 min
Response: 34740583
Conc: 54.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
L-1MSD

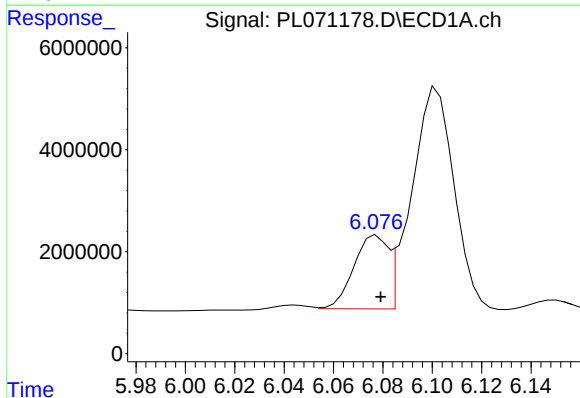
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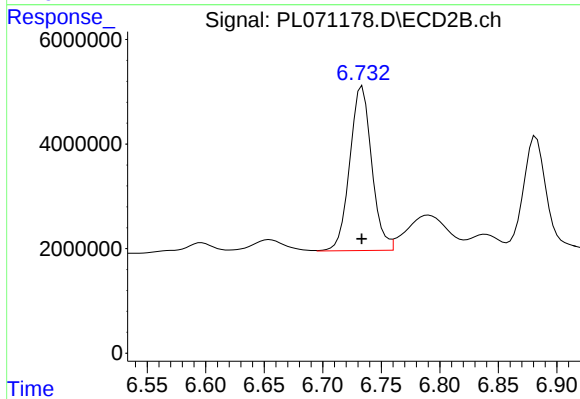
#5 Aldrin

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 108382695
Conc: 66.75 ng/ml



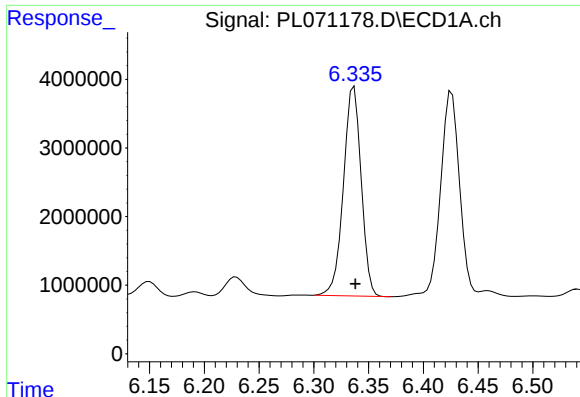
#6 beta-BHC

R.T.: 6.076 min
Delta R.T.: -0.003 min
Response: 14741494
Conc: 45.38 ng/ml m



#6 beta-BHC

R.T.: 6.734 min
Delta R.T.: 0.000 min
Response: 41053188
Conc: 47.91 ng/ml



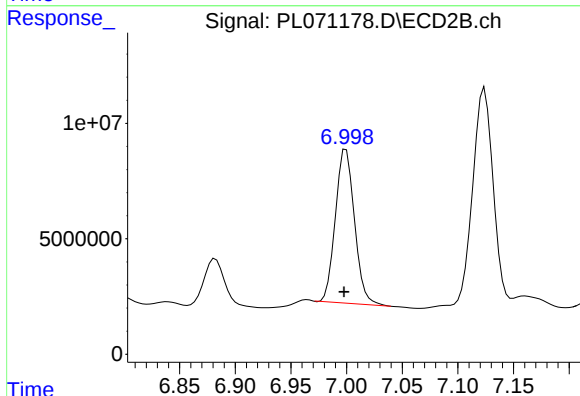
#7 delta-BHC

R.T.: 6.337 min
Delta R.T.: -0.001 min
Response: 34389777
Conc: 51.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
L-1MSD

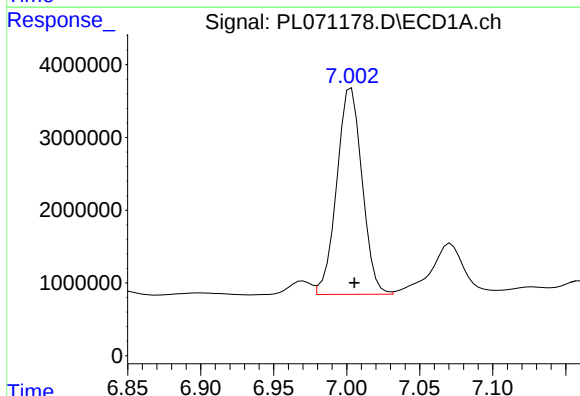
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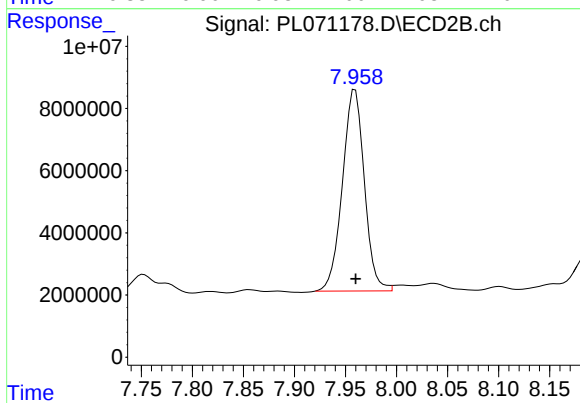
#7 delta-BHC

R.T.: 7.000 min
Delta R.T.: 0.002 min
Response: 79423677
Conc: 47.49 ng/ml



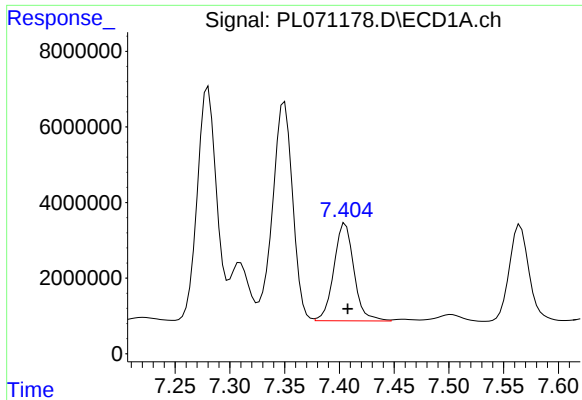
#8 Heptachlor epoxide

R.T.: 7.003 min
Delta R.T.: -0.002 min
Response: 34253157
Conc: 52.68 ng/ml



#8 Heptachlor epoxide

R.T.: 7.959 min
Delta R.T.: 0.000 min
Response: 96984683
Conc: 63.63 ng/ml



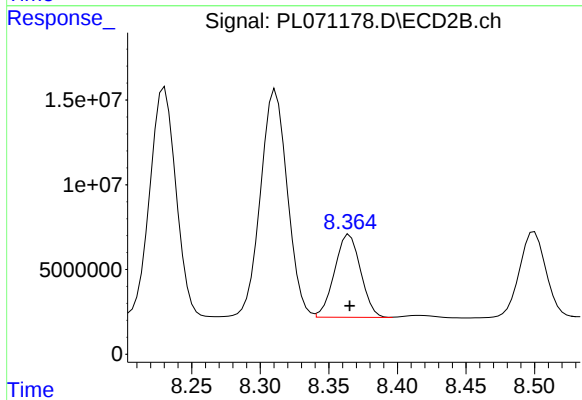
#9 Endosulfan I

R.T.: 7.405 min
Delta R.T.: -0.002 min
Response: 32839156
Conc: 53.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
L-1MSD

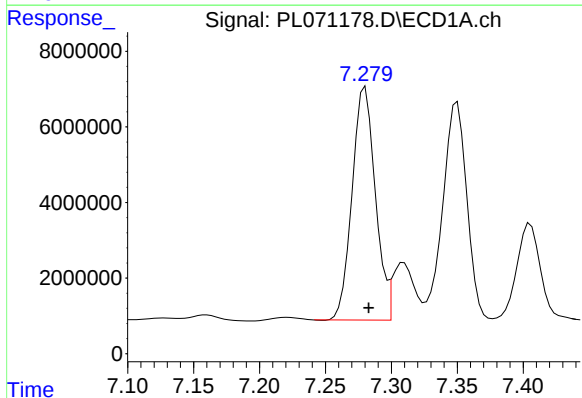
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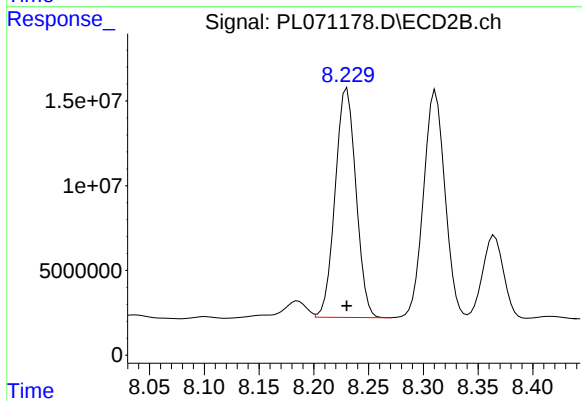
#9 Endosulfan I

R.T.: 8.365 min
Delta R.T.: 0.000 min
Response: 64803785
Conc: 45.05 ng/ml



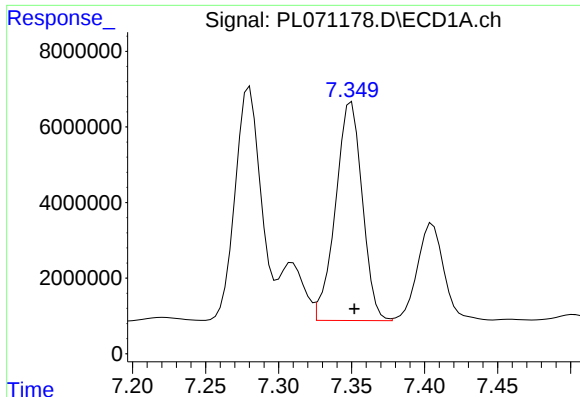
#10 gamma-Chlordane

R.T.: 7.280 min
Delta R.T.: -0.003 min
Response: 75433690
Conc: 113.64 ng/ml



#10 gamma-Chlordane

R.T.: 8.229 min
Delta R.T.: -0.001 min
Response: 178456044
Conc: 115.26 ng/ml m



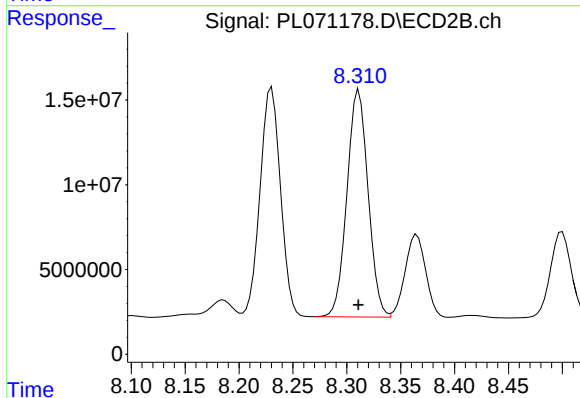
#11 alpha-Chlordane

R.T.: 7.350 min
Delta R.T.: -0.002 min
Response: 73679100
Conc: 110.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
L-1MSD

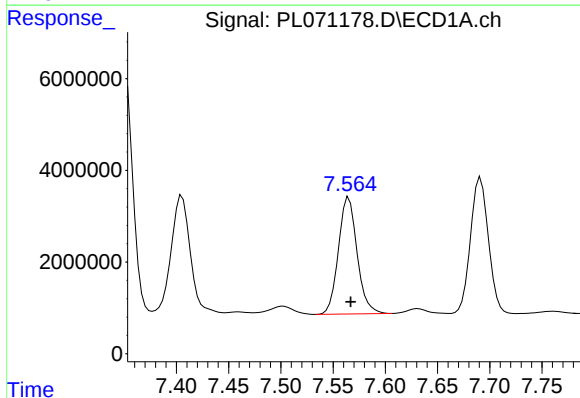
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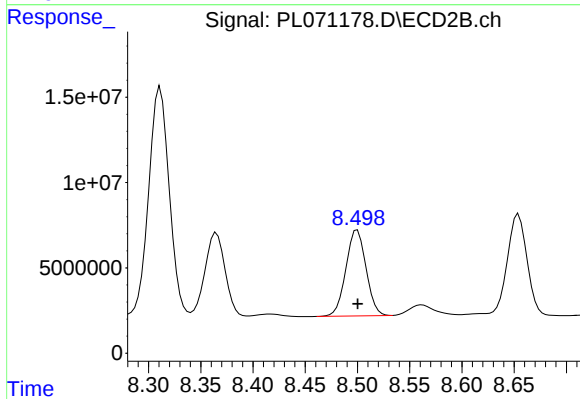
#11 alpha-Chlordane

R.T.: 8.311 min
Delta R.T.: 0.000 min
Response: 182947602
Conc: 120.28 ng/ml



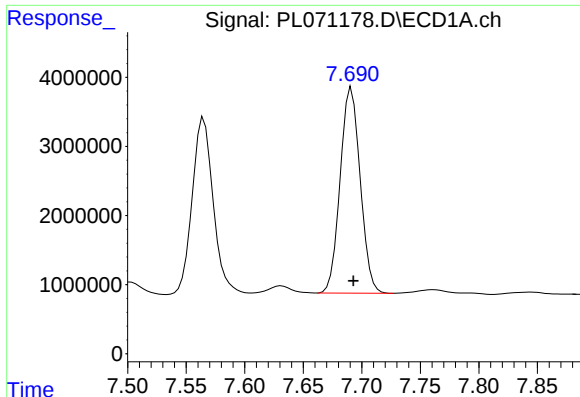
#12 4,4'-DDE

R.T.: 7.565 min
Delta R.T.: -0.002 min
Response: 31695664
Conc: 54.40 ng/ml



#12 4,4'-DDE

R.T.: 8.500 min
Delta R.T.: 0.000 min
Response: 67581834
Conc: 45.80 ng/ml



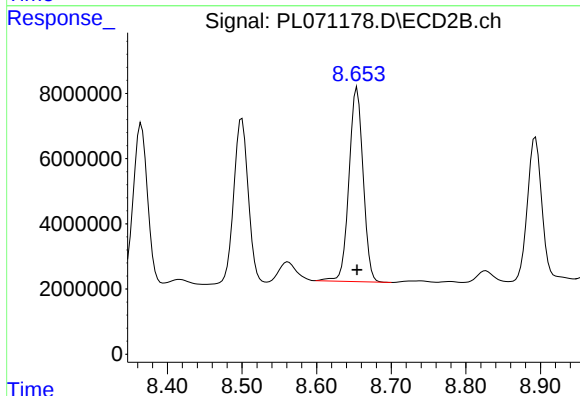
#13 Dieldrin

R.T.: 7.691 min
Delta R.T.: -0.002 min
Response: 35419726
Conc: 56.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
L-1MSD

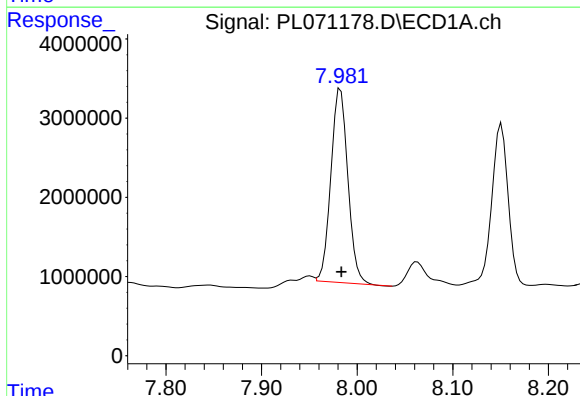
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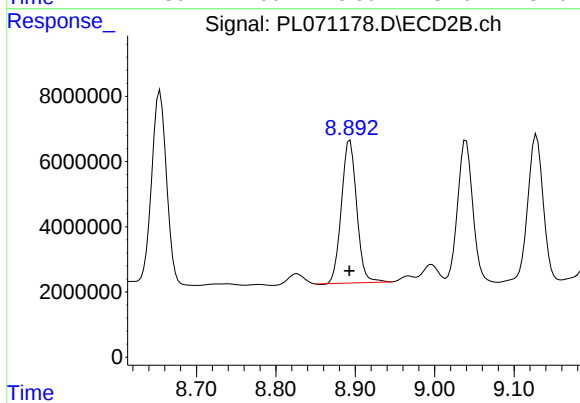
#13 Dieldrin

R.T.: 8.654 min
Delta R.T.: 0.000 min
Response: 78180054
Conc: 53.65 ng/ml



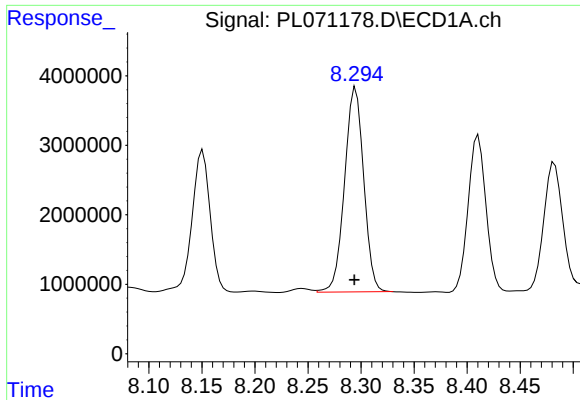
#14 Endrin

R.T.: 7.983 min
Delta R.T.: -0.001 min
Response: 30175609
Conc: 53.22 ng/ml



#14 Endrin

R.T.: 8.893 min
Delta R.T.: 0.000 min
Response: 58492454
Conc: 50.50 ng/ml



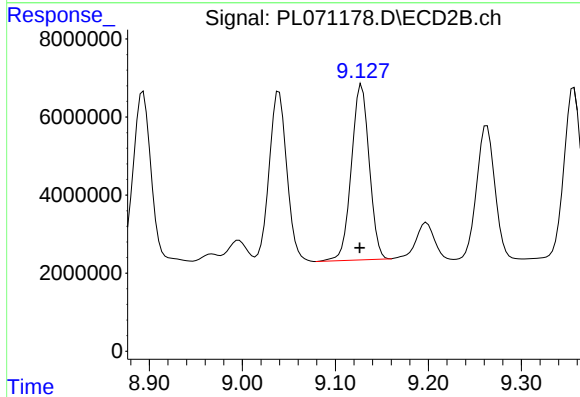
#15 Endosulfan II

R.T.: 8.295 min
Delta R.T.: 0.001 min
Response: 36790446
Conc: 60.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
L-1MSD

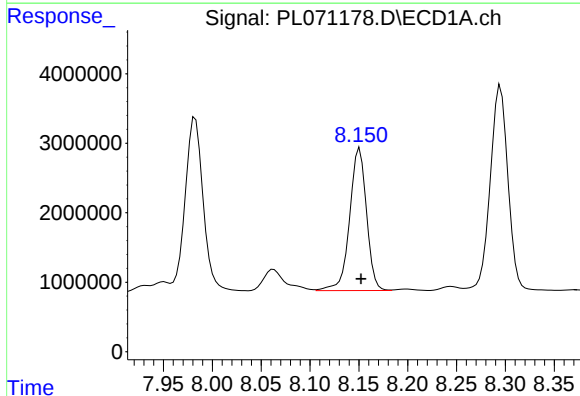
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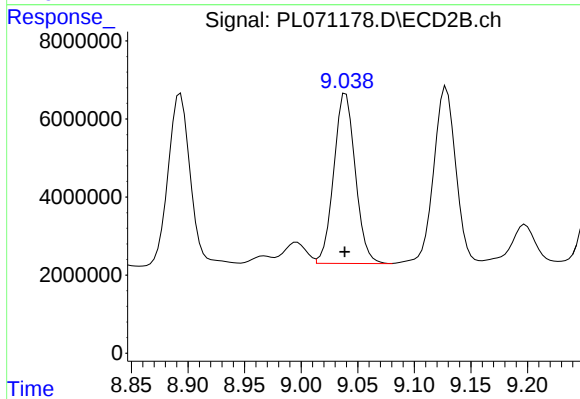
#15 Endosulfan II

R.T.: 9.128 min
Delta R.T.: 0.002 min
Response: 59832274
Conc: 48.99 ng/ml



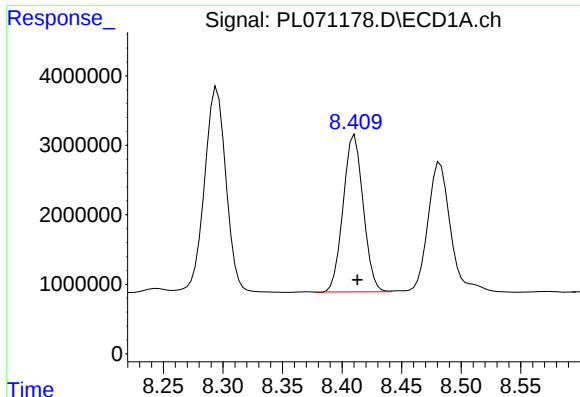
#16 4,4'-DDD

R.T.: 8.151 min
Delta R.T.: -0.001 min
Response: 24683973
Conc: 48.58 ng/ml



#16 4,4'-DDD

R.T.: 9.038 min
Delta R.T.: 0.000 min
Response: 57546344
Conc: 47.82 ng/ml m



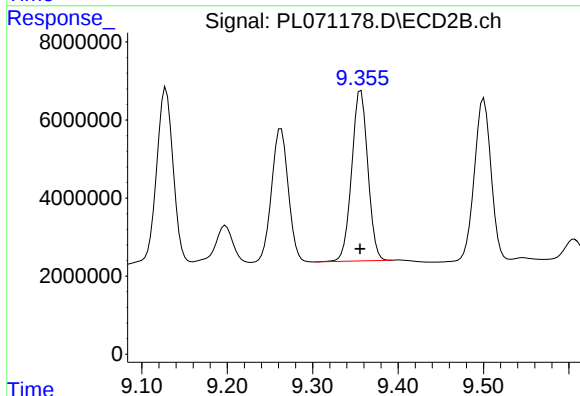
#17 4,4'-DDT

R.T.: 8.411 min
Delta R.T.: -0.002 min
Response: 26457982
Conc: 48.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
L-1MSD

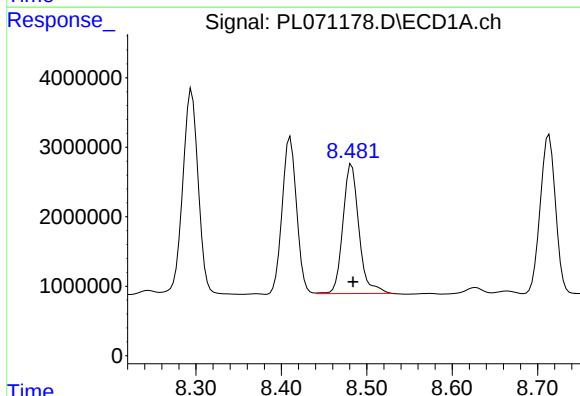
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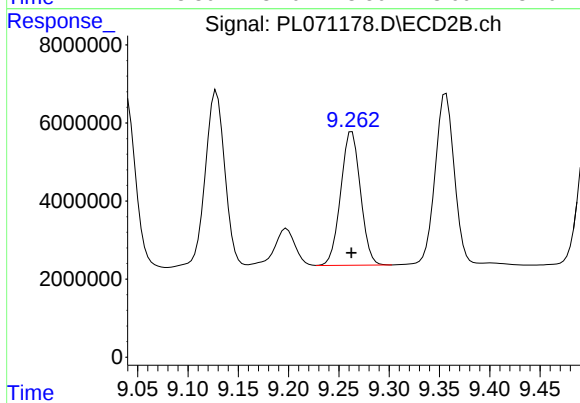
#17 4,4'-DDT

R.T.: 9.356 min
Delta R.T.: 0.000 min
Response: 57140515
Conc: 45.29 ng/ml



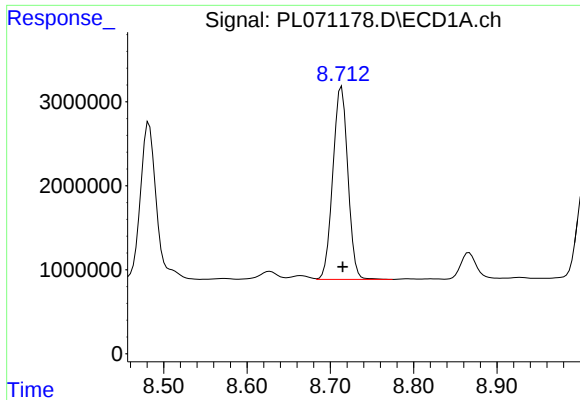
#18 Endrin aldehyde

R.T.: 8.482 min
Delta R.T.: -0.002 min
Response: 24350558
Conc: 53.60 ng/ml



#18 Endrin aldehyde

R.T.: 9.262 min
Delta R.T.: 0.000 min
Response: 46715817
Conc: 48.31 ng/ml m



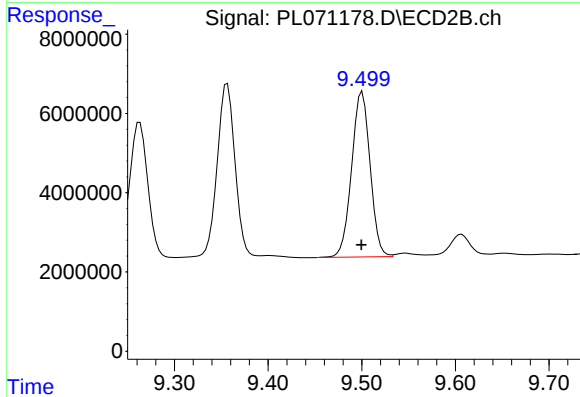
#19 Endosulfan Sulfate

R.T.: 8.714 min
Delta R.T.: -0.001 min
Response: 28781641
Conc: 46.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
L-1MSD

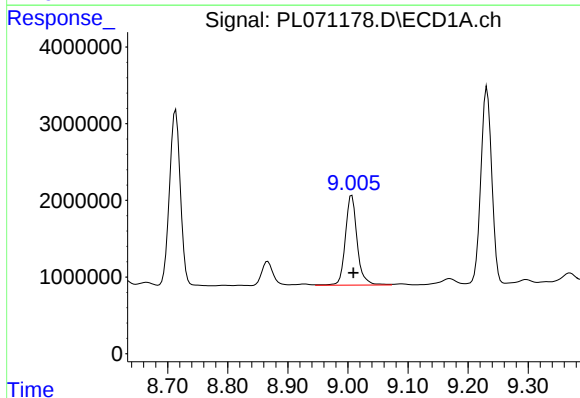
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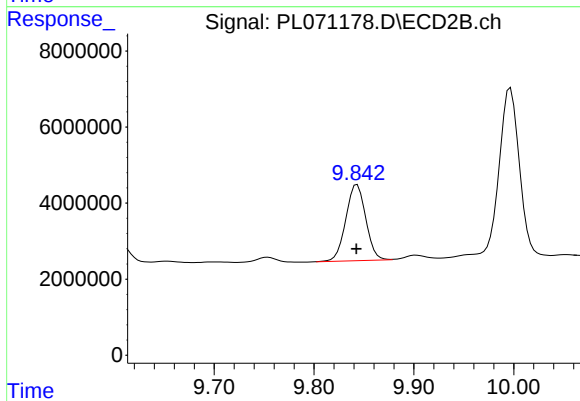
#19 Endosulfan Sulfate

R.T.: 9.501 min
Delta R.T.: 0.001 min
Response: 57196207
Conc: 46.15 ng/ml



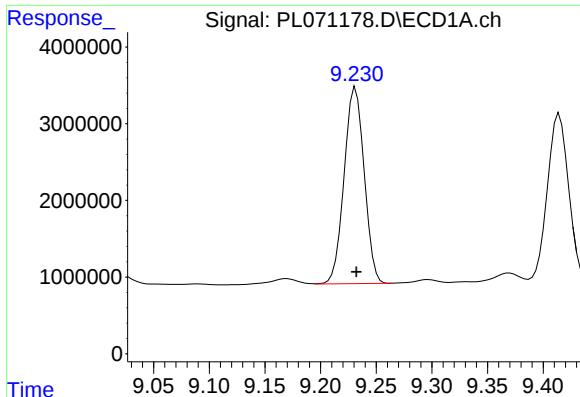
#20 Methoxychlor

R.T.: 9.006 min
Delta R.T.: -0.002 min
Response: 15958207
Conc: 43.62 ng/ml



#20 Methoxychlor

R.T.: 9.843 min
Delta R.T.: 0.000 min
Response: 27778568
Conc: 41.04 ng/ml



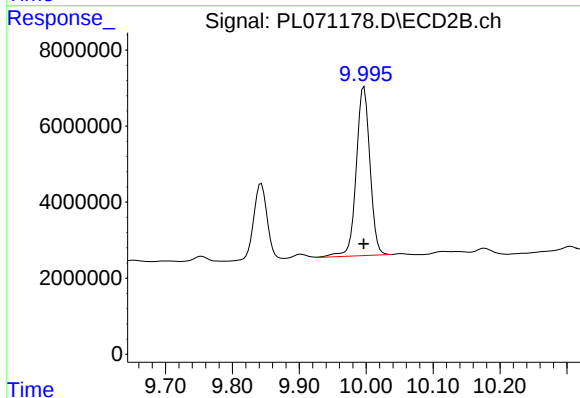
#21 Endrin ketone

R.T.: 9.232 min
Delta R.T.: 0.000 min
Response: 32106193
Conc: 44.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
L-1MSD

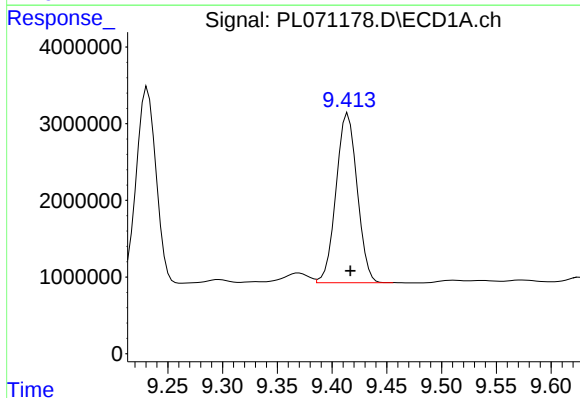
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/30/2021
Supervised By :mohammad ahmed 11/30/2021



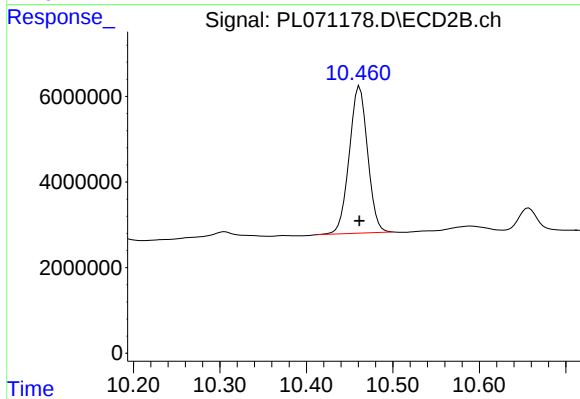
#21 Endrin ketone

R.T.: 9.997 min
Delta R.T.: 0.000 min
Response: 63231200
Conc: 44.05 ng/ml



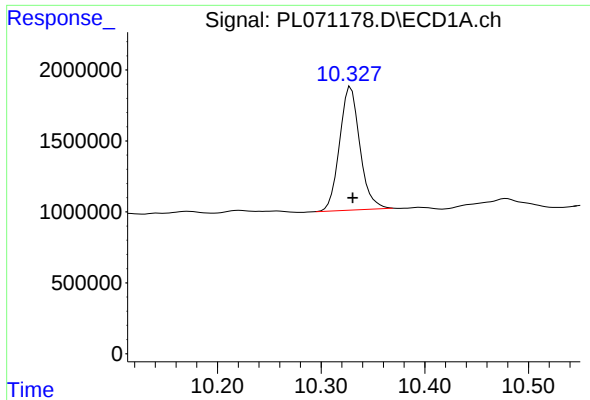
#22 Mirex

R.T.: 9.413 min
Delta R.T.: -0.004 min
Response: 29621772
Conc: 48.23 ng/ml m



#22 Mirex

R.T.: 10.462 min
Delta R.T.: 0.000 min
Response: 50586262
Conc: 48.57 ng/ml



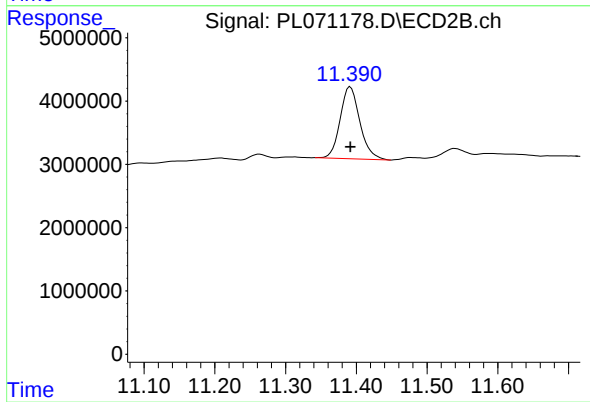
#28 Decachlorobiphenyl

R.T.: 10.329 min
Delta R.T.: -0.002 min
Response: 11844525
Conc: 17.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
L-1MSD

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 11.392 min
Delta R.T.: 0.000 min
Response: 21926280
Conc: 16.40 ng/ml