

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081123\
 Data File : PL084688.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Aug 2023 22:15
 Operator : AR\AJ
 Sample : 03572-03
 Misc : TOX MDL 50PPB
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/14/2023
 Supervised By :Ankita Jodhani 08/14/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 11 23:16:00 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL080323.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 03 16:21:43 2023
 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...	3.488	2.687	42957428	20245250	18.488	18.618
28)	SA Decachlor...	9.043	7.873	33575269	26135291	20.635	20.962
Target Compounds							
2)	A alpha-BHC	0.000	3.192	0	66064	N.D.	0.043 #
3)	MA gamma-BHC...	0.000	3.522	0	32760	N.D.	0.022 #
4)	MA Heptachlor	4.864	3.842f	2178240	3289	0.648	0.002 #
5)	MB Aldrin	5.204	0.000	68123	0	0.021	N.D. #
6)	B beta-BHC	4.451f	3.826	51953	-15912	0.037	N.D. #
7)	B delta-BHC	4.729f	4.065	6095817	36961	1.890	0.024 #
8)	B Heptachlo...	5.646	4.657	3277846	40000	1.088	0.030 #
9)	A Endosulfan I	6.024	5.044f	534667	89088	0.203	0.072 #
10)	B gamma-Chl...	5.883	4.876f	365298	85936	0.128	0.063 #
11)	B alpha-Chl...	0.000	4.995f	0	193341	N.D.	0.142 #
12)	B 4,4'-DDE	0.000	5.187f	0	26480	N.D.	0.022 #
13)	MA Dieldrin	6.299	5.286	261474	15417	0.099	0.011 #
14)	MA Endrin	6.509f	5.587f	183436	116285	0.084	0.095
15)	B Endosulfa...	6.717f	5.862	1088671	297443	0.515	0.247 #
16)	A 4,4'-DDD	6.641f	5.737	265739	37750	0.158	0.037 #
17)	MA 4,4'-DDT	0.000	5.975	0	94792	N.D.	0.082 #
18)	B Endrin al...	0.000	6.057f	0	343323	N.D.	0.346 #
19)	B Endosulfa...	7.117	6.265	2502846	103005	1.253	0.087 #
20)	A Methoxychlor	0.000	6.538f	0	224594	N.D.	0.327 #
21)	B Endrin ke...	7.597	6.787f	2569177	-96415	1.284	N.D. #
22)	Mirex	0.000	6.981f	0	1239070	N.D.	1.074 #
24)	Chlordane-2	5.204f	4.260	68123	-16434	0.597	N.D. #
25)	Chlordane-3	5.883	4.876f	365298	85936	0.906	0.620 #
26)	Chlordane-4	0.000	4.995f	0	193341	N.D.	1.347 #
27)	Chlordane-5	6.821	5.862	594542	297443	7.986	5.840 #

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

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 Sample : 03572-03
 Misc : TOX MDL 50PPB
 ALS Vial : 20 Sample Multiplier: 1

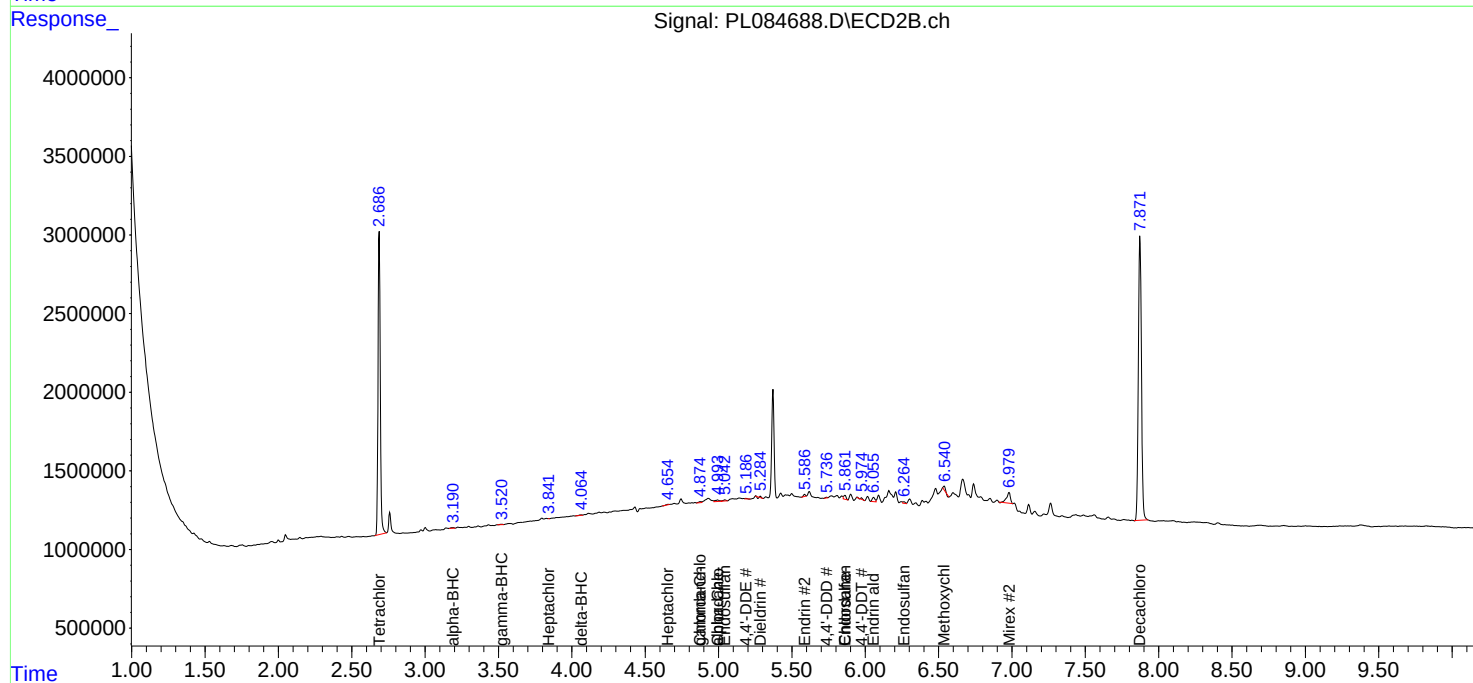
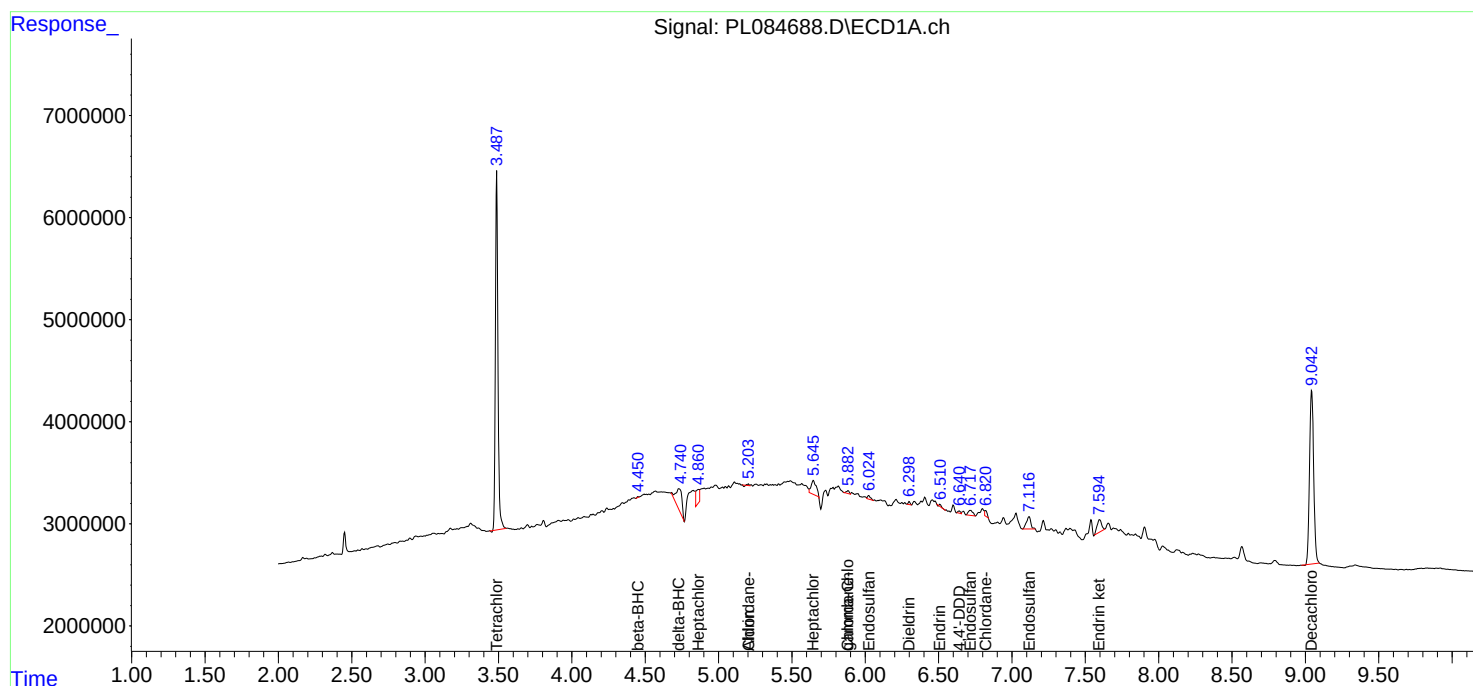
Instrument :
 ECD_L
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

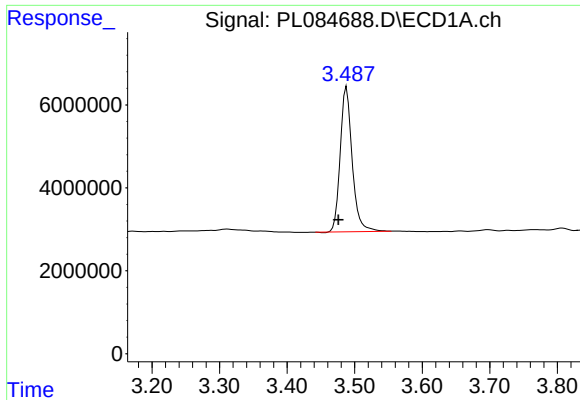
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 Supervised By : Ankita Jodhani 08/14/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 11 23:16:00 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL080323.M
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Volume Inj. : 1 µl
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 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





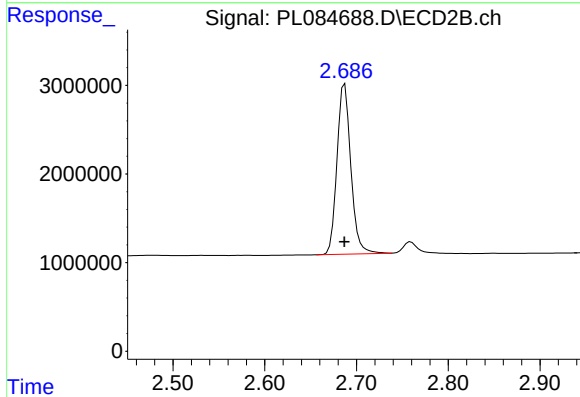
#1 Tetrachloro-m-xylene

R.T.: 3.488 min
Delta R.T.: 0.012 min
Response: 42957428
Conc: 18.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT3-2023

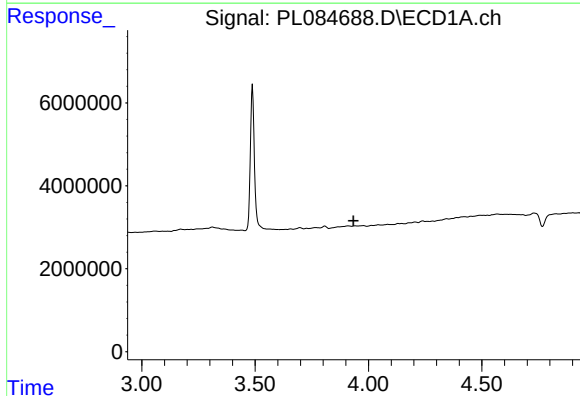
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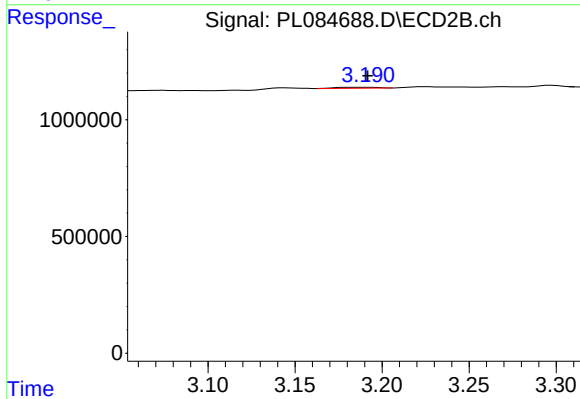
#1 Tetrachloro-m-xylene

R.T.: 2.687 min
Delta R.T.: 0.000 min
Response: 20245250
Conc: 18.62 ng/ml



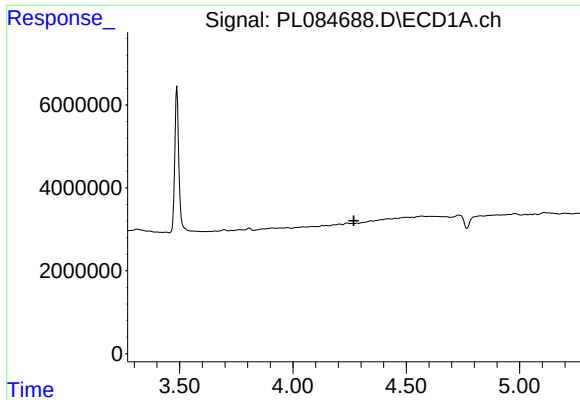
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.934 min
Response: 0
Conc: N.D.



#2 alpha-BHC

R.T.: 3.192 min
Delta R.T.: 0.000 min
Response: 66064
Conc: 0.04 ng/ml



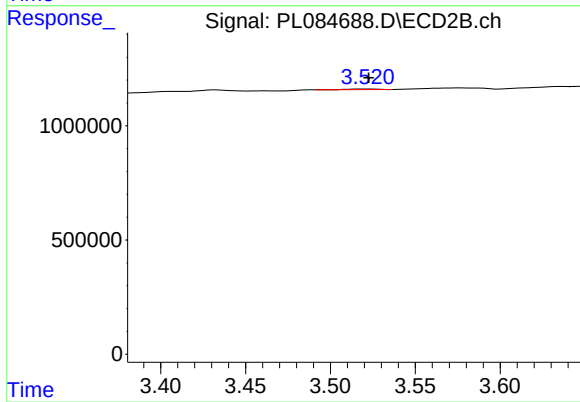
#3 gamma-BHC (Lindane)

R.T.: 0.000 min
Exp R.T.: 4.268 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT3-2023

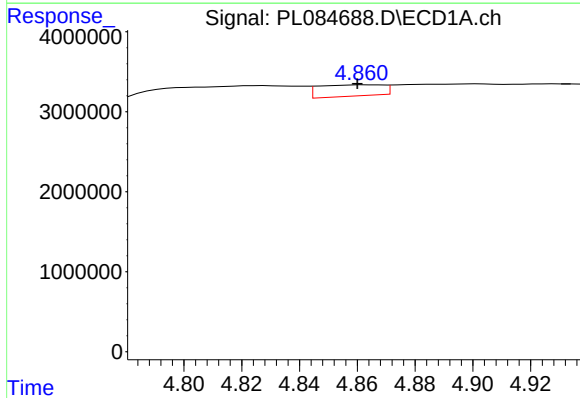
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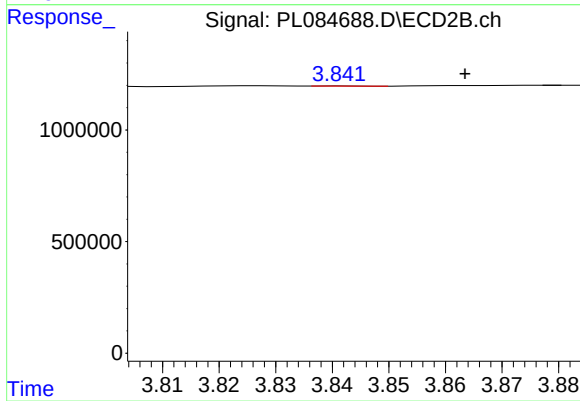
#3 gamma-BHC (Lindane)

R.T.: 3.522 min
Delta R.T.: 0.000 min
Response: 32760
Conc: 0.02 ng/ml



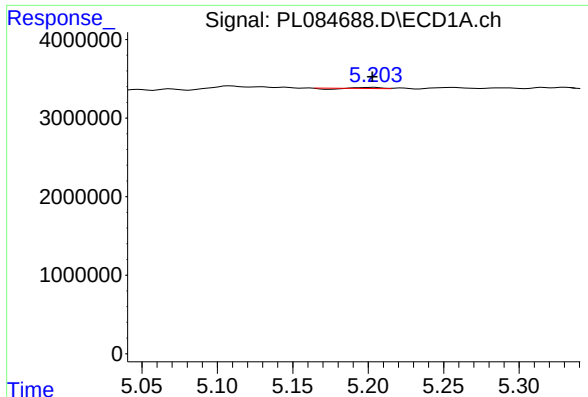
#4 Heptachlor

R.T.: 4.864 min
Delta R.T.: 0.003 min
Response: 2178240
Conc: 0.65 ng/ml



#4 Heptachlor

R.T.: 3.842 min
Delta R.T.: -0.021 min
Response: 3289
Conc: 0.00 ng/ml



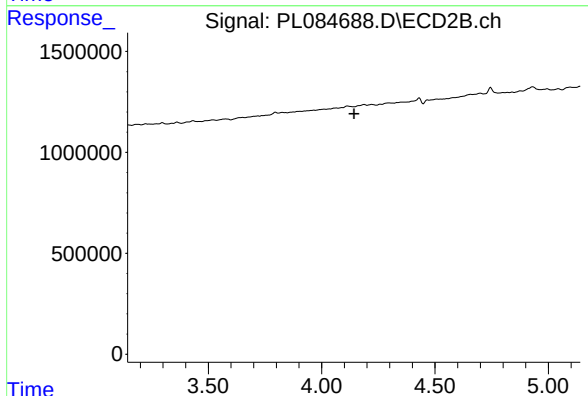
#5 Aldrin

R.T.: 5.204 min
Delta R.T.: 0.002 min
Response: 68123
Conc: 0.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT3-2023

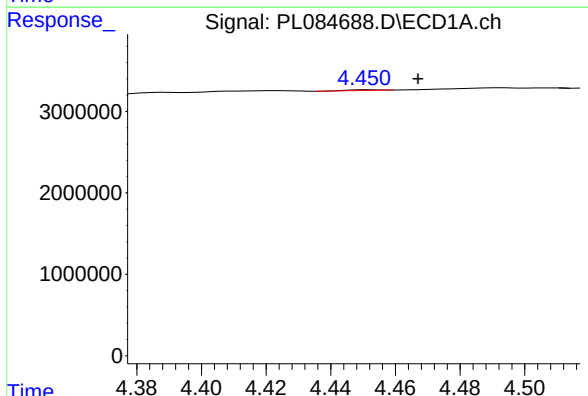
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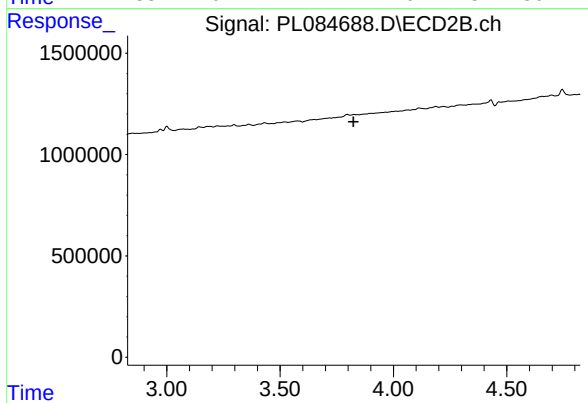
#5 Aldrin

R.T.: 0.000 min
Exp R.T. : 4.144 min
Response: 0
Conc: N.D.



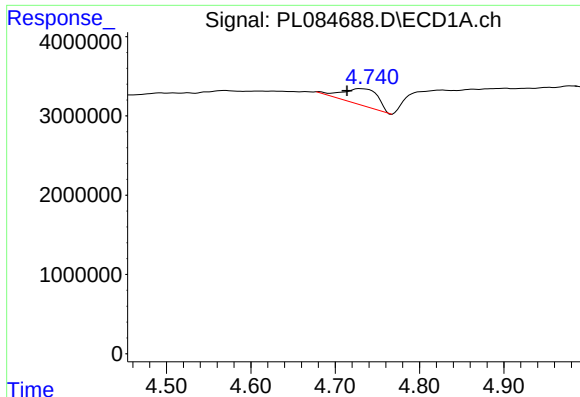
#6 beta-BHC

R.T.: 4.451 min
Delta R.T.: -0.016 min
Response: 51953
Conc: 0.04 ng/ml



#6 beta-BHC

R.T.: 3.826 min
Delta R.T.: 0.002 min
Response: -15912
Conc: N.D.



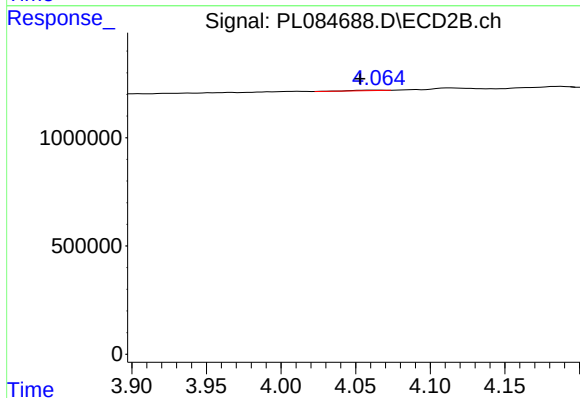
#7 delta-BHC

R.T.: 4.729 min
Delta R.T.: 0.015 min
Response: 6095817
Conc: 1.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT3-2023

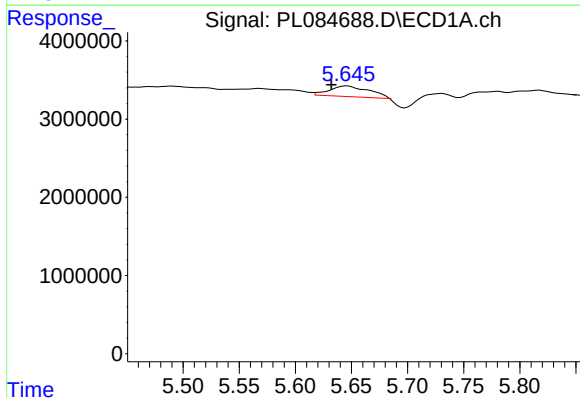
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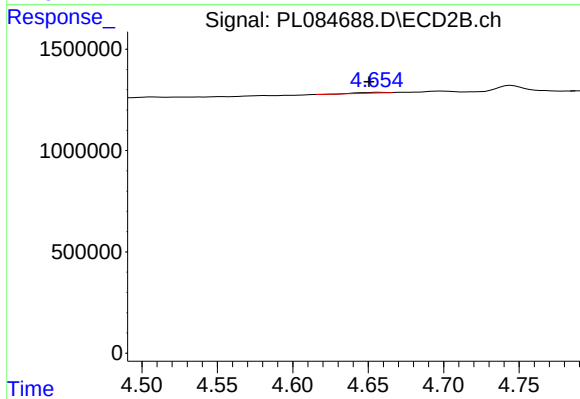
#7 delta-BHC

R.T.: 4.065 min
Delta R.T.: 0.012 min
Response: 36961
Conc: 0.02 ng/ml



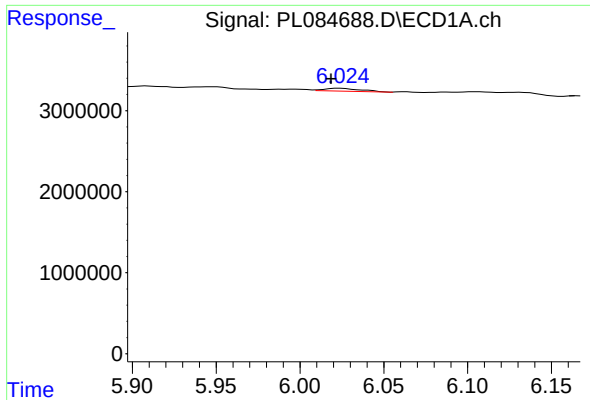
#8 Heptachlor epoxide

R.T.: 5.646 min
Delta R.T.: 0.014 min
Response: 3277846
Conc: 1.09 ng/ml



#8 Heptachlor epoxide

R.T.: 4.657 min
Delta R.T.: 0.006 min
Response: 40000
Conc: 0.03 ng/ml



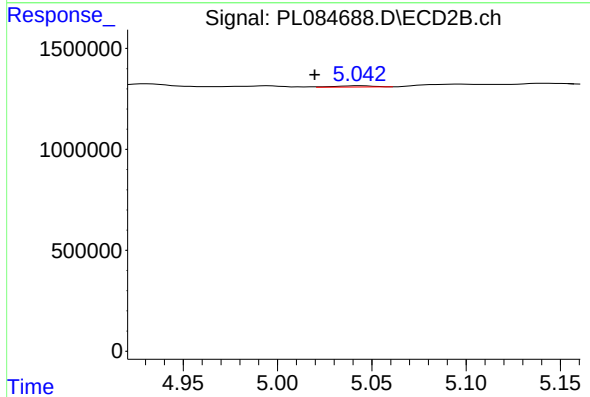
#9 Endosulfan I

R.T.: 6.024 min
Delta R.T.: 0.005 min
Response: 534667
Conc: 0.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
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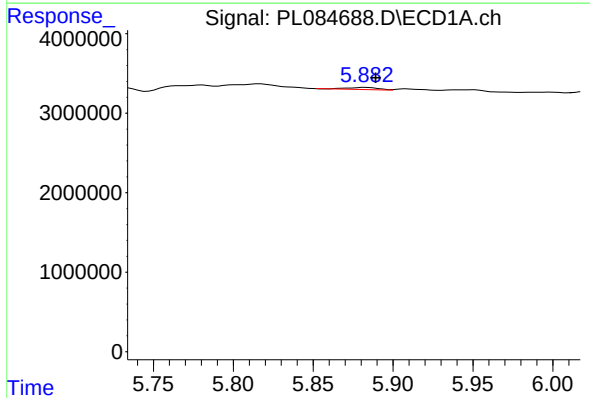
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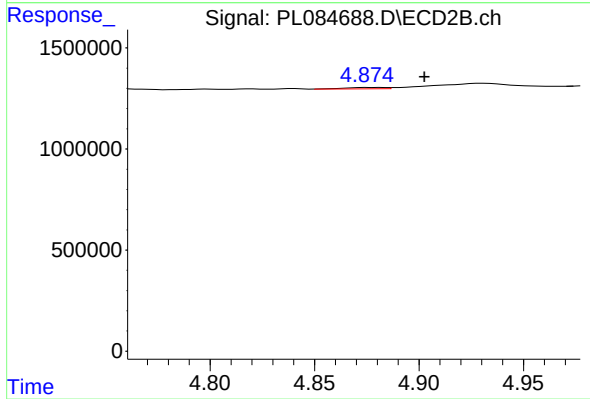
#9 Endosulfan I

R.T.: 5.044 min
Delta R.T.: 0.024 min
Response: 89088
Conc: 0.07 ng/ml



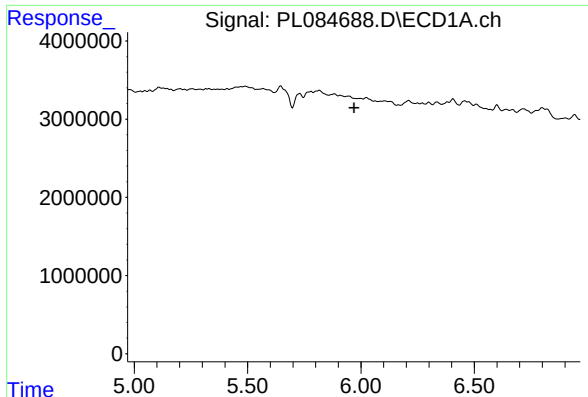
#10 gamma-Chlordane

R.T.: 5.883 min
Delta R.T.: -0.006 min
Response: 365298
Conc: 0.13 ng/ml



#10 gamma-Chlordane

R.T.: 4.876 min
Delta R.T.: -0.026 min
Response: 85936
Conc: 0.06 ng/ml



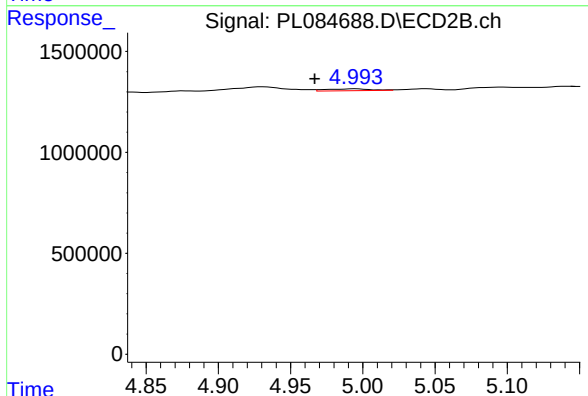
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T.: 5.970 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
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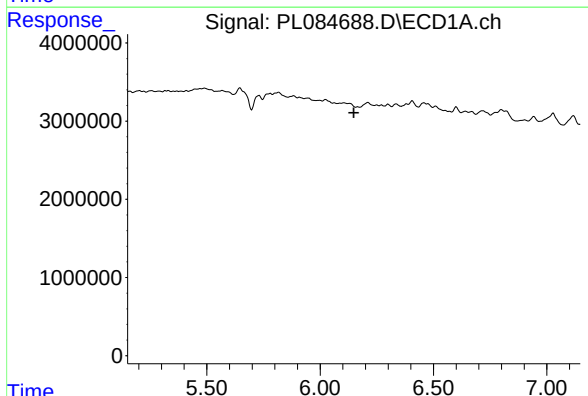
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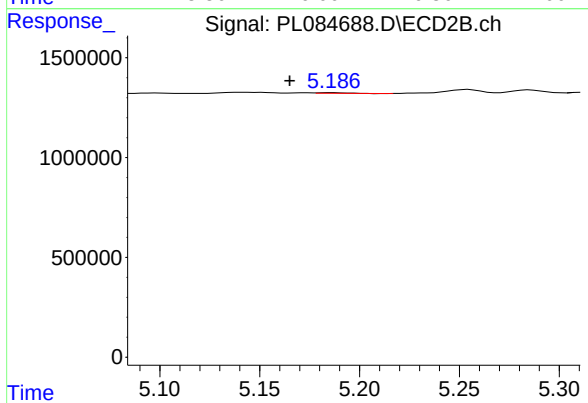
#11 alpha-Chlordane

R.T.: 4.995 min
Delta R.T.: 0.028 min
Response: 193341
Conc: 0.14 ng/ml



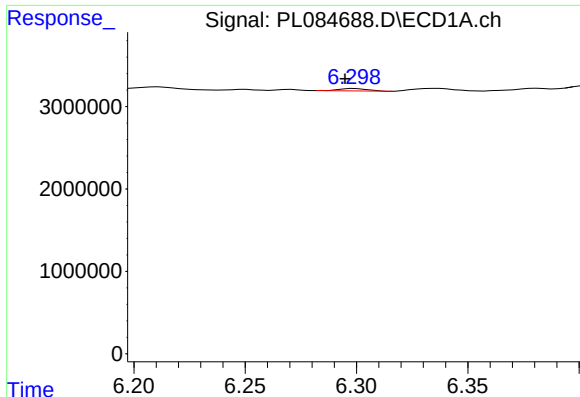
#12 4,4'-DDE

R.T.: 0.000 min
Exp R.T.: 6.148 min
Response: 0
Conc: N.D.



#12 4,4'-DDE

R.T.: 5.187 min
Delta R.T.: 0.022 min
Response: 26480
Conc: 0.02 ng/ml



#13 Dieldrin

R.T.: 6.299 min
Delta R.T.: 0.004 min
Response: 261474
Conc: 0.10 ng/ml

Instrument :
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ClientSampleId :
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#13 Dieldrin

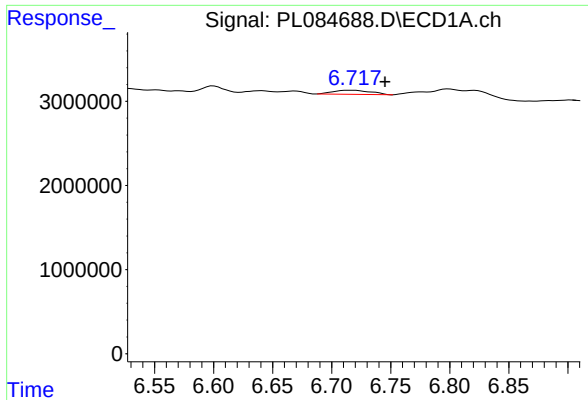
R.T.: 5.286 min
Delta R.T.: -0.001 min
Response: 15417
Conc: 0.01 ng/ml

#14 Endrin

R.T.: 6.509 min
Delta R.T.: -0.016 min
Response: 183436
Conc: 0.08 ng/ml

#14 Endrin

R.T.: 5.587 min
Delta R.T.: 0.025 min
Response: 116285
Conc: 0.10 ng/ml



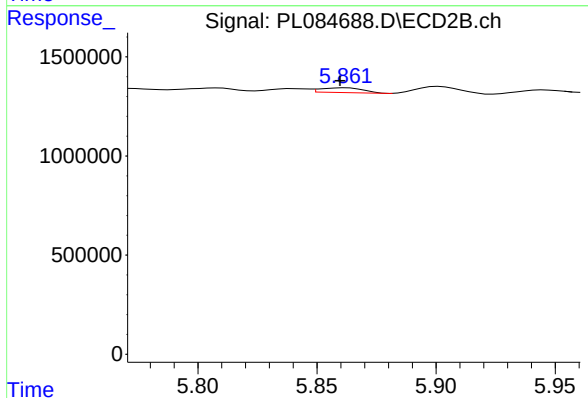
#15 Endosulfan II

R.T.: 6.717 min
Delta R.T.: -0.028 min
Response: 1088671
Conc: 0.51 ng/ml

Instrument :
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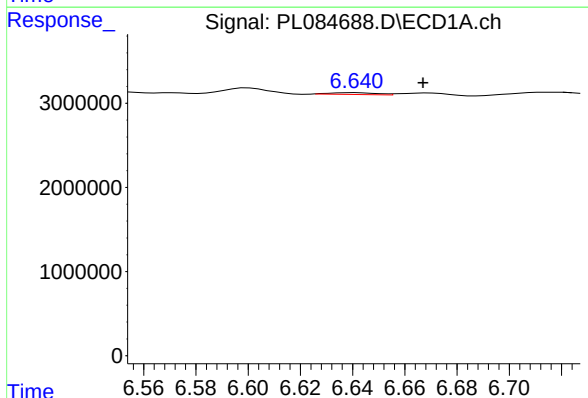
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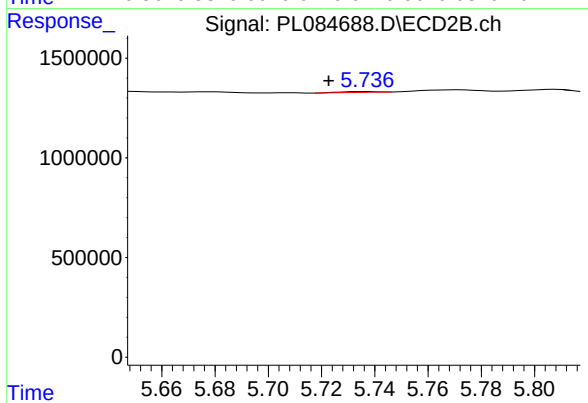
#15 Endosulfan II

R.T.: 5.862 min
Delta R.T.: 0.003 min
Response: 297443
Conc: 0.25 ng/ml



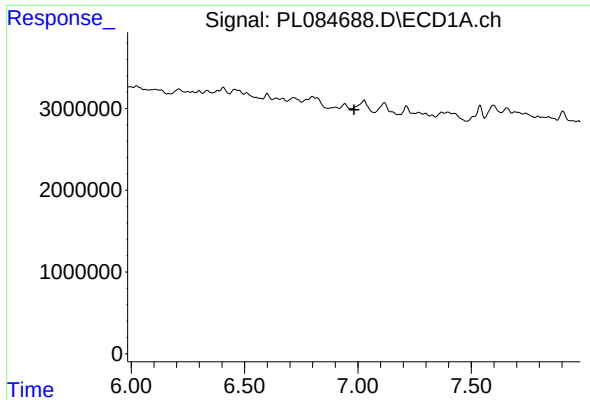
#16 4,4'-DDD

R.T.: 6.641 min
Delta R.T.: -0.026 min
Response: 265739
Conc: 0.16 ng/ml



#16 4,4'-DDD

R.T.: 5.737 min
Delta R.T.: 0.014 min
Response: 37750
Conc: 0.04 ng/ml



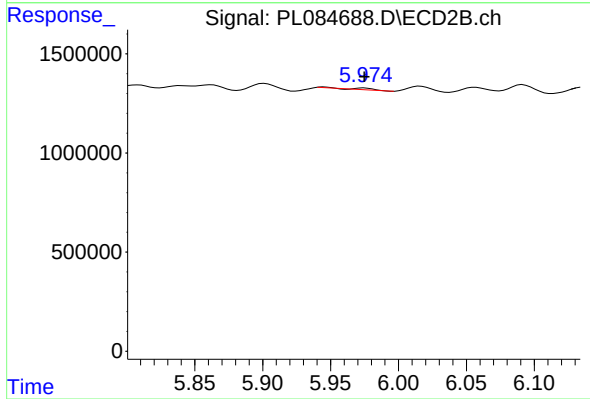
#17 4,4'-DDT

R.T.: 0.000 min
Exp R.T.: 6.983 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
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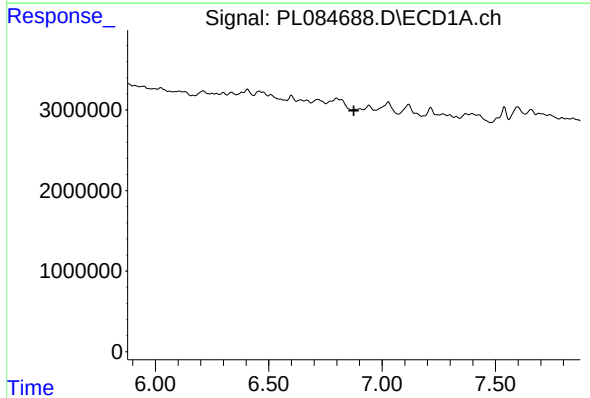
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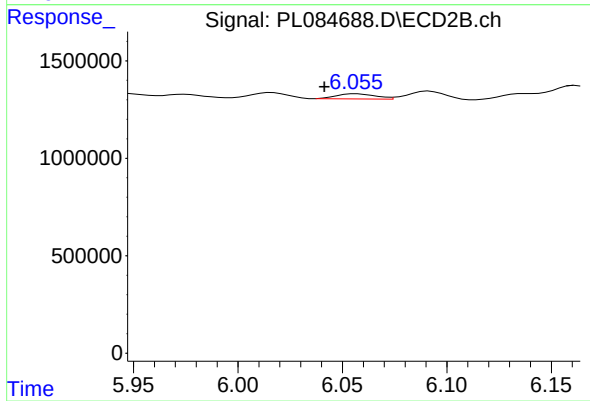
#17 4,4'-DDT

R.T.: 5.975 min
Delta R.T.: 0.000 min
Response: 94792
Conc: 0.08 ng/ml



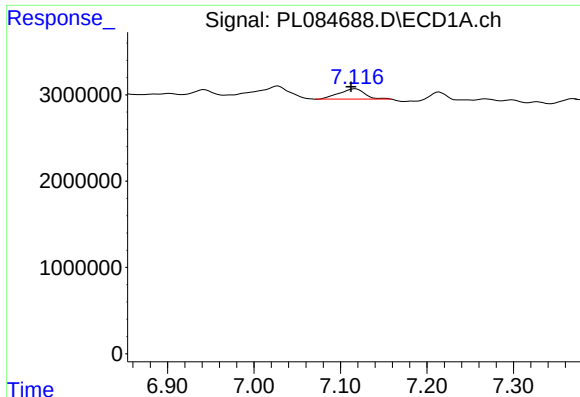
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T.: 6.876 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

R.T.: 6.057 min
Delta R.T.: 0.015 min
Response: 343323
Conc: 0.35 ng/ml



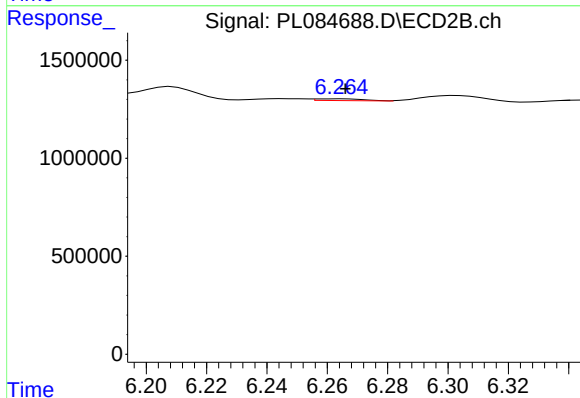
#19 Endosulfan Sulfate

R.T.: 7.117 min
Delta R.T.: 0.005 min
Response: 2502846
Conc: 1.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
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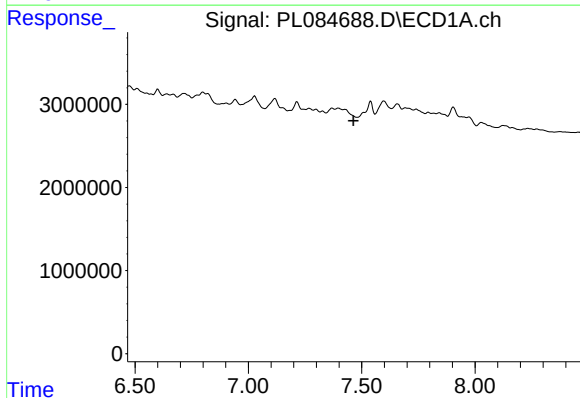
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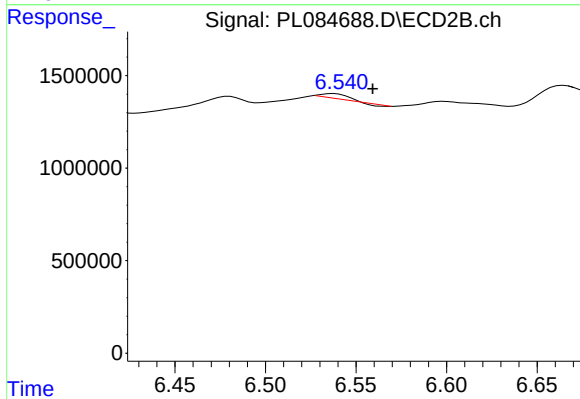
#19 Endosulfan Sulfate

R.T.: 6.265 min
Delta R.T.: 0.000 min
Response: 103005
Conc: 0.09 ng/ml



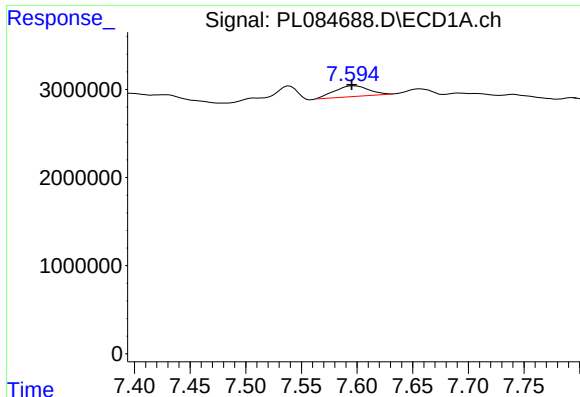
#20 Methoxychlor

R.T.: 0.000 min
Exp R.T. : 7.464 min
Response: 0
Conc: N.D.



#20 Methoxychlor

R.T.: 6.538 min
Delta R.T.: -0.021 min
Response: 224594
Conc: 0.33 ng/ml



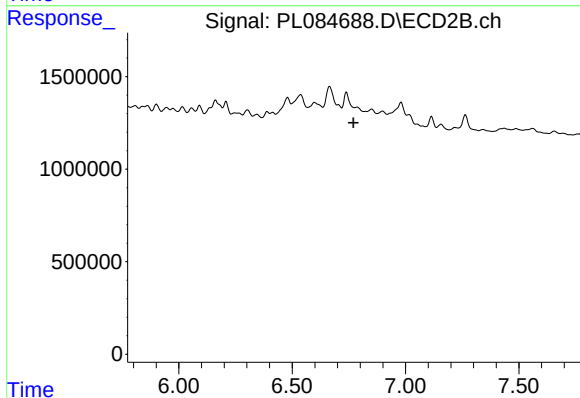
#21 Endrin ketone

R.T.: 7.597 min
Delta R.T.: 0.002 min
Response: 2569177
Conc: 1.28 ng/ml

Instrument :
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ClientSampleId :
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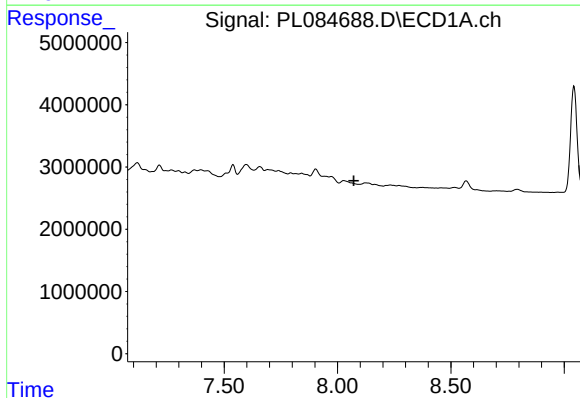
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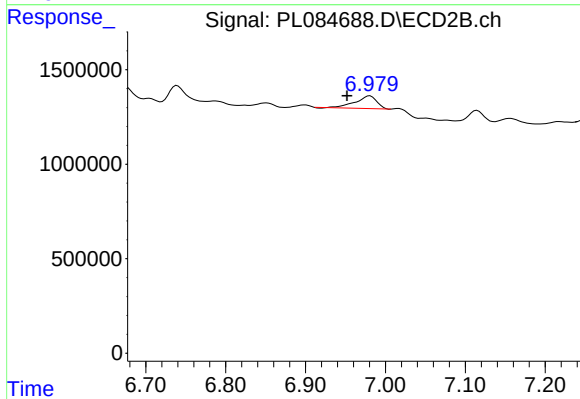
#21 Endrin ketone

R.T.: 6.787 min
Delta R.T.: 0.016 min
Response: -96415
Conc: N.D.



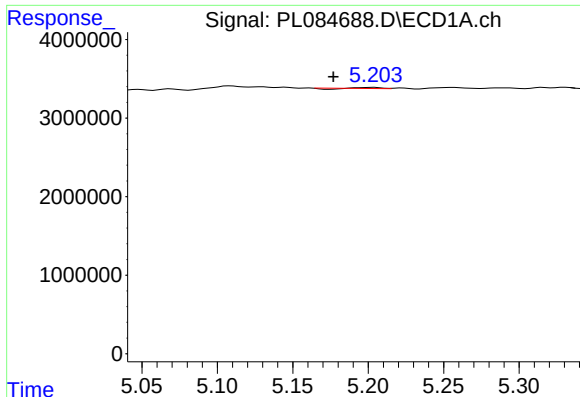
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.071 min
Response: 0
Conc: N.D.



#22 Mirex

R.T.: 6.981 min
Delta R.T.: 0.029 min
Response: 1239070
Conc: 1.07 ng/ml



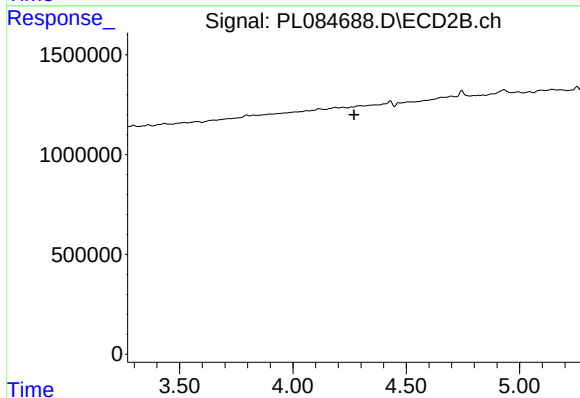
#24 Chlordane-2

R.T.: 5.204 min
Delta R.T.: 0.027 min
Response: 68123
Conc: 0.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT3-2023

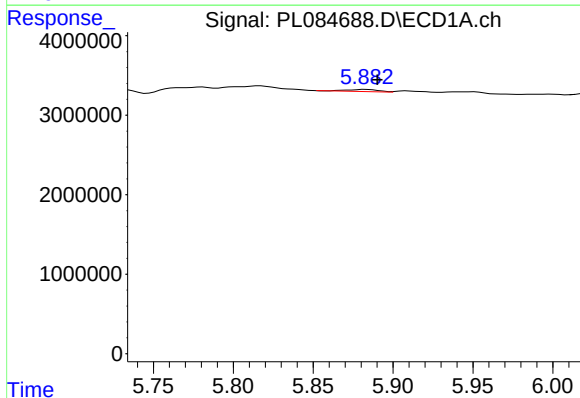
Manual Integrations
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Reviewed By :Abdul Mirza 08/14/2023
Supervised By :Ankita Jodhani 08/14/2023



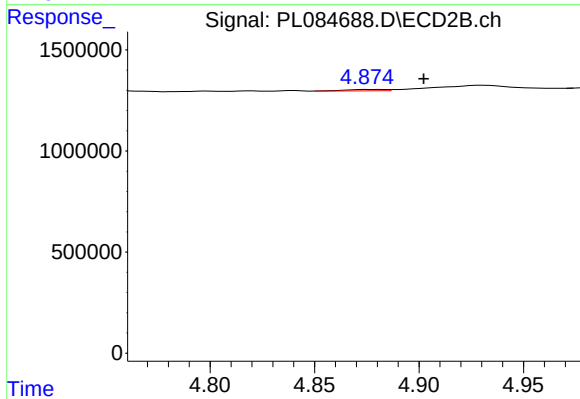
#24 Chlordane-2

R.T.: 4.260 min
Delta R.T.: -0.009 min
Response: -16434
Conc: N.D.



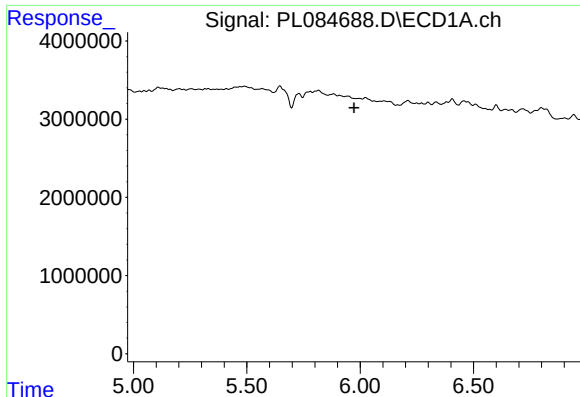
#25 Chlordane-3

R.T.: 5.883 min
Delta R.T.: -0.007 min
Response: 365298
Conc: 0.91 ng/ml



#25 Chlordane-3

R.T.: 4.876 min
Delta R.T.: -0.026 min
Response: 85936
Conc: 0.62 ng/ml



#26 Chlordane-4

R.T.: 0.000 min
Exp R.T.: 5.973 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT3-2023

Manual Integrations APPROVED

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Supervised By :Ankita Jodhani 08/14/2023

#26 Chlordane-4

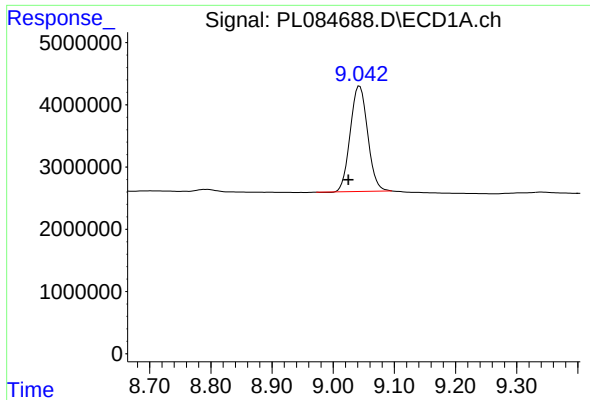
R.T.: 4.995 min
Delta R.T.: 0.030 min
Response: 193341
Conc: 1.35 ng/ml

#27 Chlordane-5

R.T.: 6.821 min
Delta R.T.: -0.003 min
Response: 594542
Conc: 7.99 ng/ml

#27 Chlordane-5

R.T.: 5.862 min
Delta R.T.: -0.002 min
Response: 297443
Conc: 5.84 ng/ml



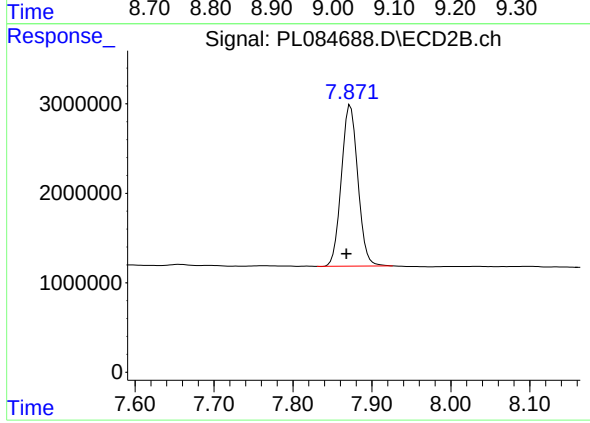
#28 Decachlorobiphenyl

R.T.: 9.043 min
Delta R.T.: 0.018 min
Response: 33575269
Conc: 20.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT3-2023

Manual Integrations
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Supervised By :Ankita Jodhani 08/14/2023



#28 Decachlorobiphenyl

R.T.: 7.873 min
Delta R.T.: 0.005 min
Response: 26135291
Conc: 20.96 ng/ml