

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD020725\
 Data File : PD087786.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Feb 2025 10:45
 Operator : AR\AJ
 Sample : Q1168-03
 Misc : PEST MDL 1PPB
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 02/10/2025
 Supervised By :Ankita Jodhani 02/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 08 00:03:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD012325.M
 Quant Title : GC Extractables
 QLast Update : Wed Jan 22 14:33:08 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 x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.555	2.882	38325926	261.0E6	19.237	21.706
28)	SA Decachlor...	9.085	8.082	61369273	299.8E6	20.121	21.213
Target Compounds							
2)	A alpha-BHC	4.004	3.395	3696483	25077956	0.919	1.342 #
3)	MA gamma-BHC...	4.334	3.732	5747557	23689586	1.444m	1.334
4)	MA Heptachlor	4.935	4.087	3884229	22903714	1.042m	1.322 #
5)	MB Aldrin	5.278	4.372	4014071	23682531	1.049	1.355m#
6)	B beta-BHC	4.521	4.029	1727779	11184383	1.094	1.466 #
7)	B delta-BHC	4.770	4.265	6066108	24257551	1.504	1.340
8)	B Heptachlo...	5.696	4.876	3708247	22326870	1.085m	1.414m#
9)	A Endosulfan I	6.081	5.251	3399198	19989635	1.079	1.341m
10)	B gamma-Chl...	5.951	5.129	3242609	21628730	0.981m	1.330m#
11)	B alpha-Chl...	6.032	5.194	3609840	21464222	1.084m	1.345m
12)	B 4,4'-DDE	6.203	5.380	2881456	20602551	0.955	1.309m#
13)	MA Dieldrin	6.354	5.518	3516262	21282513	1.041	1.306 #
14)	MA Endrin	6.582	5.794	2645332	20462005	0.913	1.374m#
15)	B Endosulfa...	6.793	6.086	2910044	19945711	1.014	1.397 #
16)	A 4,4'-DDD	6.711	5.934	2627219	19193294	1.092m	1.452m#
17)	MA 4,4'-DDT	7.027	6.191	2036090	11659522	0.791m	0.866
18)	B Endrin al...	6.922	6.264	2611491	16882561	1.127	1.448m#
19)	B Endosulfa...	7.156	6.489	2971702	19081434	1.084	1.342
20)	A Methoxychlor	7.501	6.762	1374603	7863330	0.936	1.029
21)	B Endrin ke...	7.636	6.998	3241877	20477858	1.054m	1.312
22)	Mirex	8.122	7.193	2586405	17473496	1.116	1.380

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD020725\
Data File : PD087786.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Feb 2025 10:45
Operator : AR\AJ
Sample : Q1168-03
Misc : PEST MDL 1PPB
ALS Vial : 9 Sample Multiplier: 1

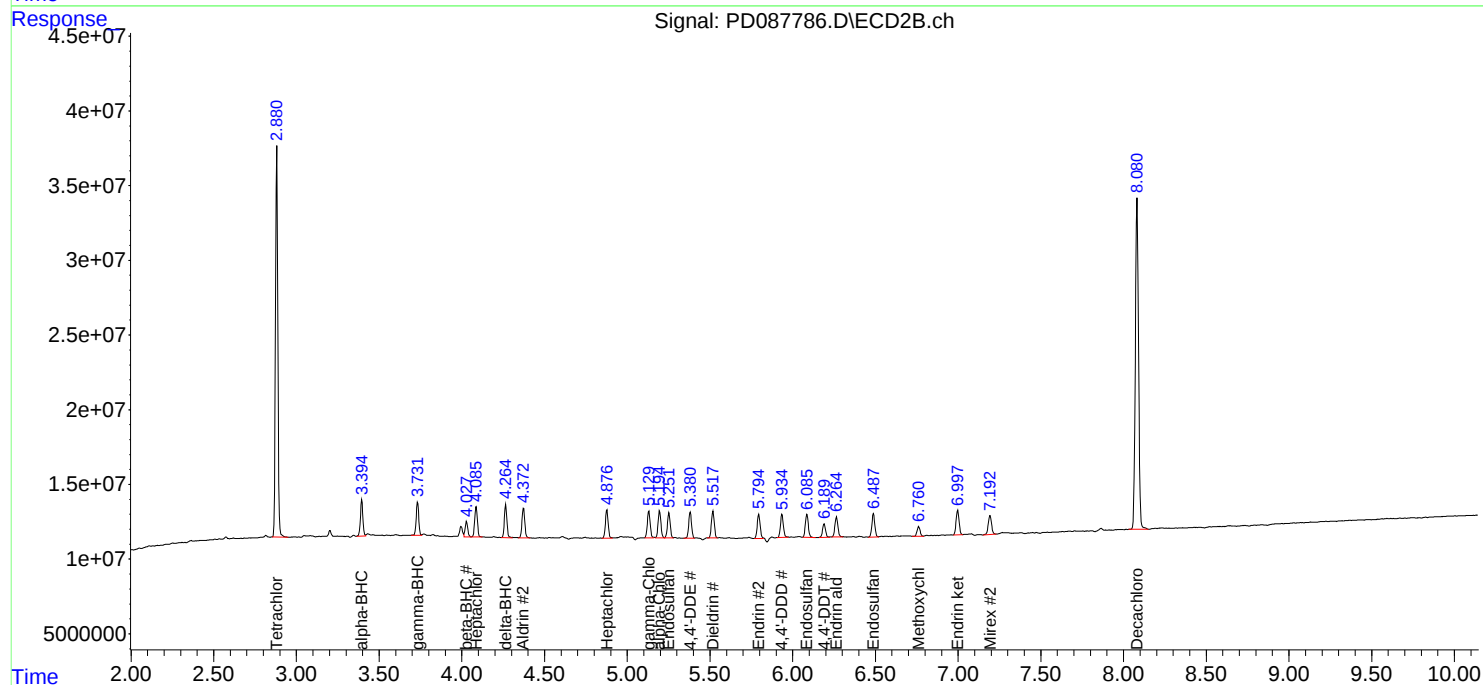
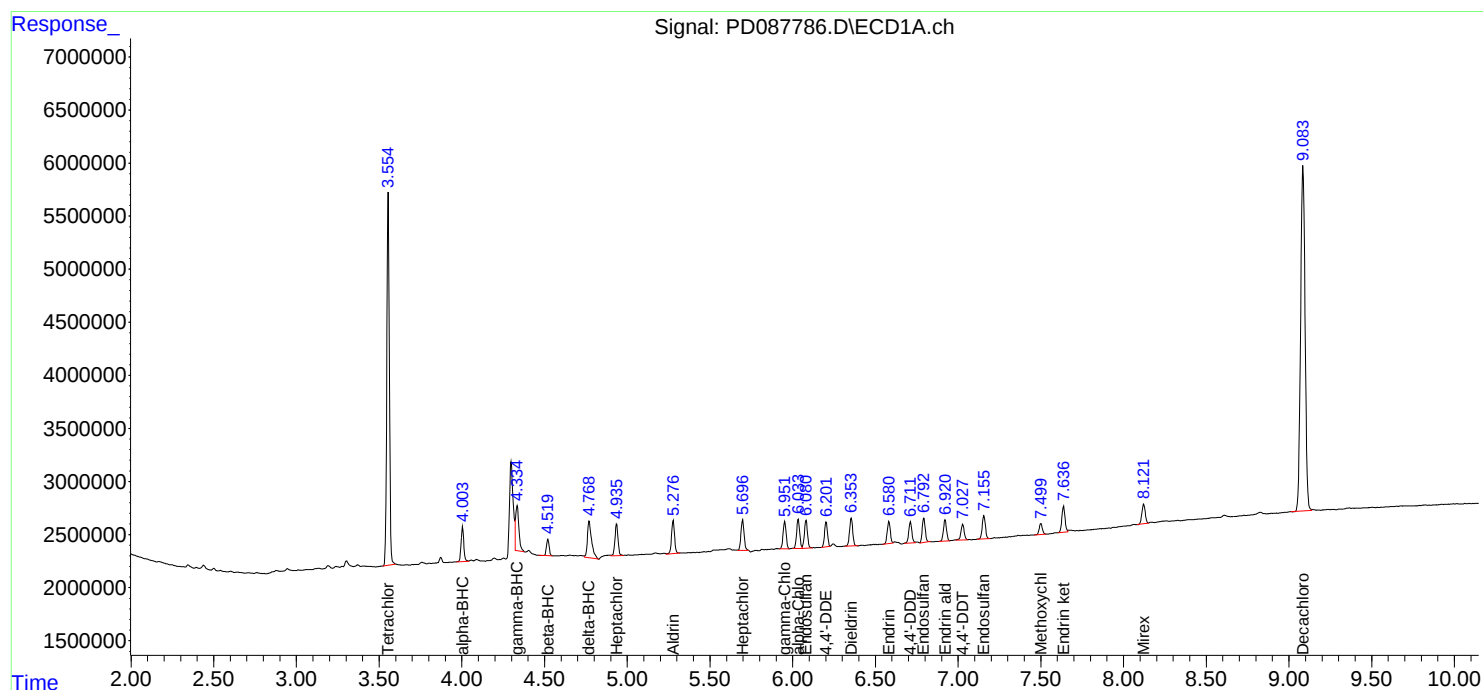
Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT1-2025

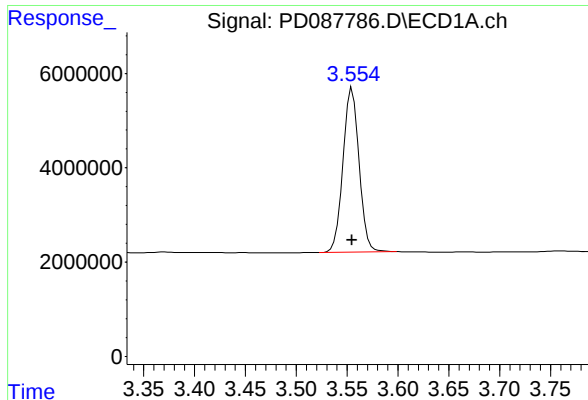
Manual Integrations
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Supervised By : Ankita Jodhani 02/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 08 00:03:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD012325.M
Quant Title : GC Extractables
QLast Update : Wed Jan 22 14:33:08 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





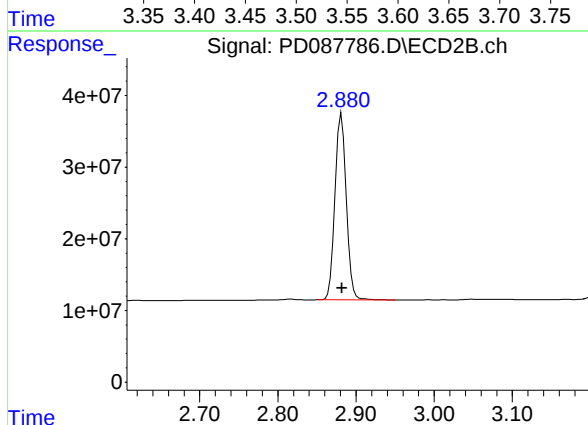
#1 Tetrachloro-m-xylene

R.T.: 3.555 min
Delta R.T.: 0.000 min
Response: 38325926
Conc: 19.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
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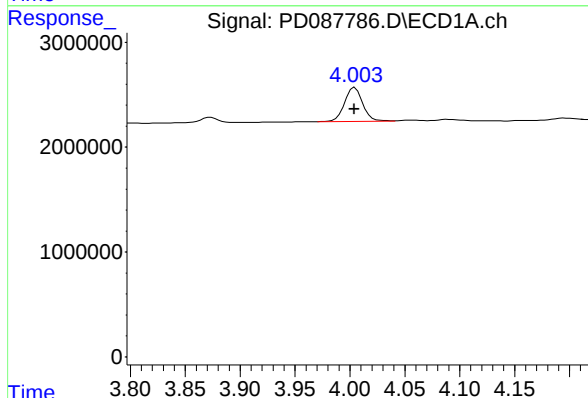
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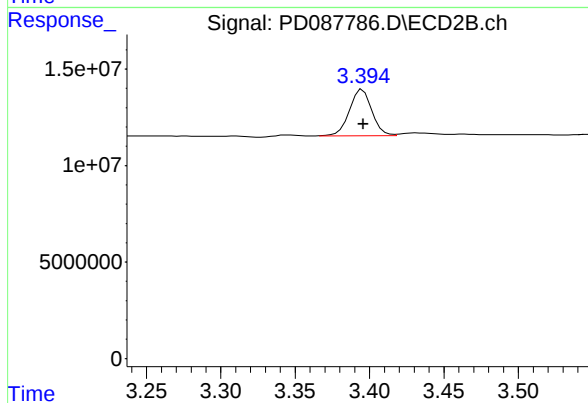
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 261048954
Conc: 21.71 ng/ml



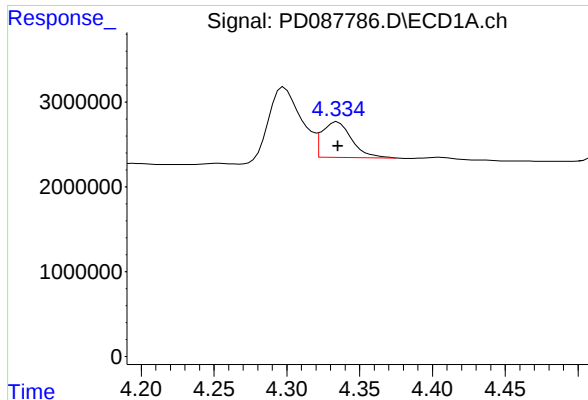
#2 alpha-BHC

R.T.: 4.004 min
Delta R.T.: 0.000 min
Response: 3696483
Conc: 0.92 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: 0.000 min
Response: 25077956
Conc: 1.34 ng/ml



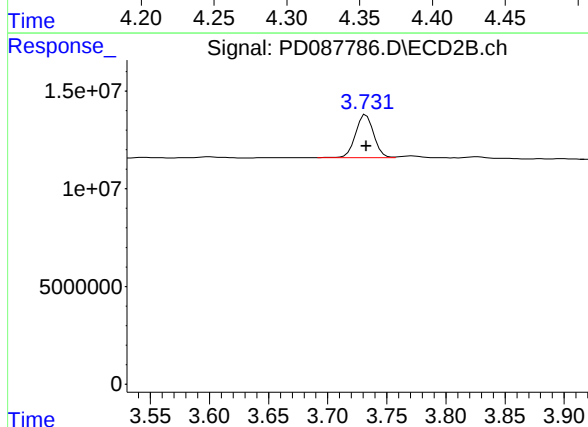
#3 gamma-BHC (Lindane)

R.T.: 4.334 min
Delta R.T.: -0.002 min
Response: 5747557
Conc: 1.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT1-2025

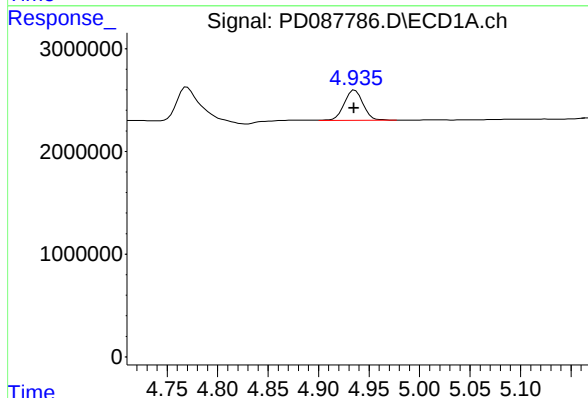
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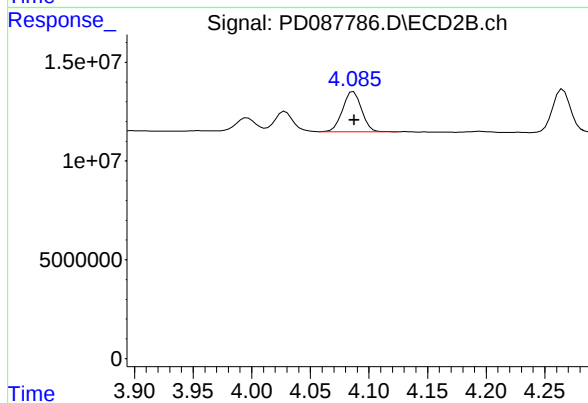
#3 gamma-BHC (Lindane)

R.T.: 3.732 min
Delta R.T.: 0.000 min
Response: 23689586
Conc: 1.33 ng/ml



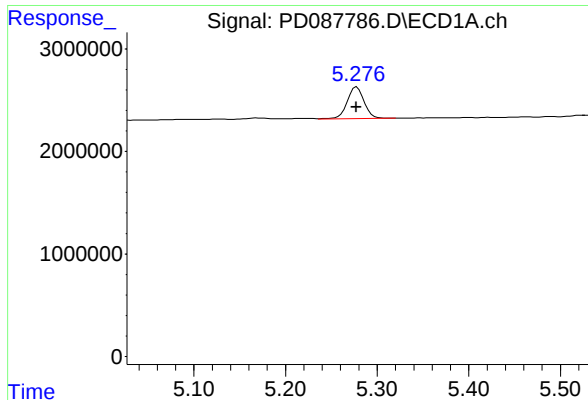
#4 Heptachlor

R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 3884229
Conc: 1.04 ng/ml m



#4 Heptachlor

R.T.: 4.087 min
Delta R.T.: 0.000 min
Response: 22903714
Conc: 1.32 ng/ml



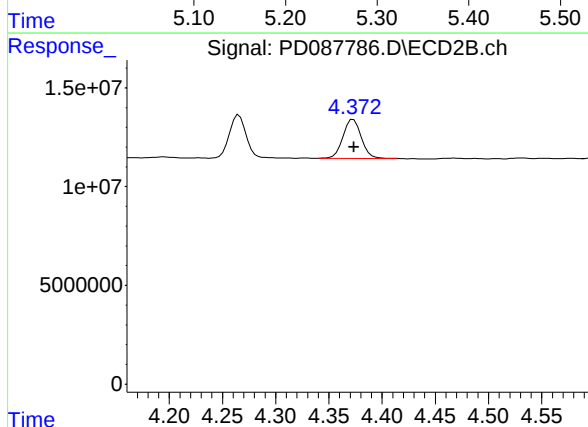
#5 Aldrin

R.T.: 5.278 min
Delta R.T.: 0.000 min
Response: 4014071
Conc: 1.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT1-2025

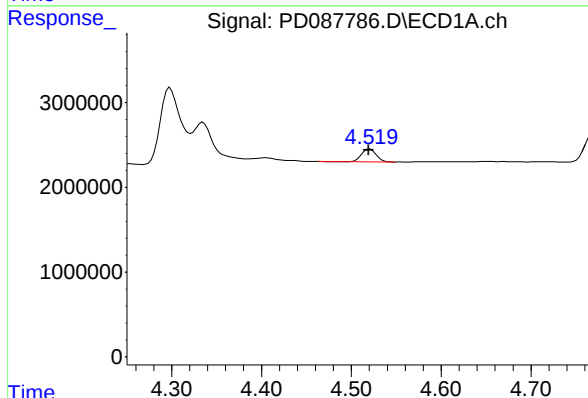
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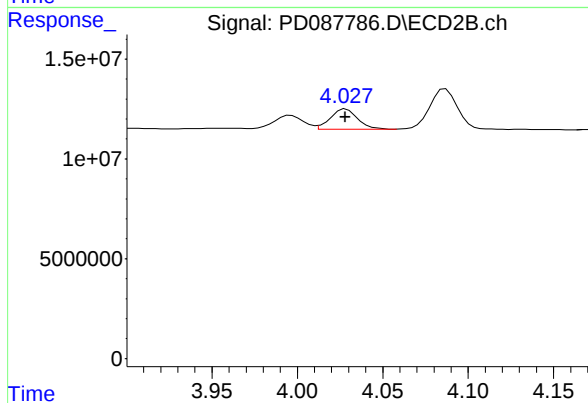
#5 Aldrin

R.T.: 4.372 min
Delta R.T.: -0.002 min
Response: 23682531
Conc: 1.36 ng/ml m



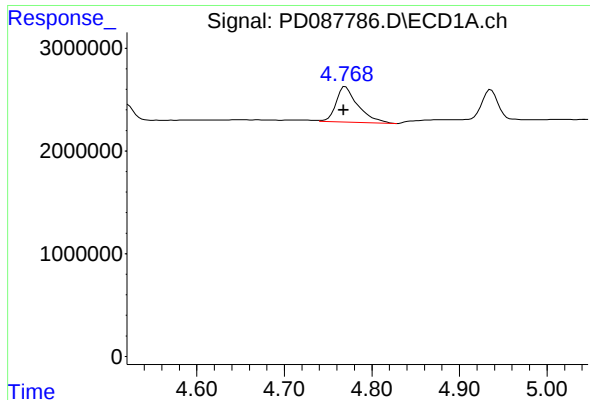
#6 beta-BHC

R.T.: 4.521 min
Delta R.T.: 0.001 min
Response: 1727779
Conc: 1.09 ng/ml



#6 beta-BHC

R.T.: 4.029 min
Delta R.T.: 0.000 min
Response: 11184383
Conc: 1.47 ng/ml



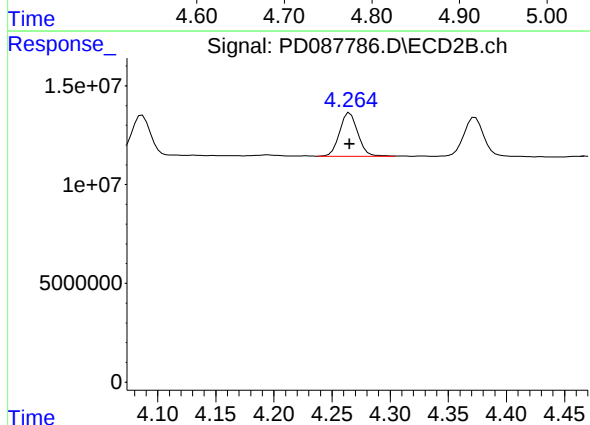
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: 0.002 min
Response: 6066108
Conc: 1.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT1-2025

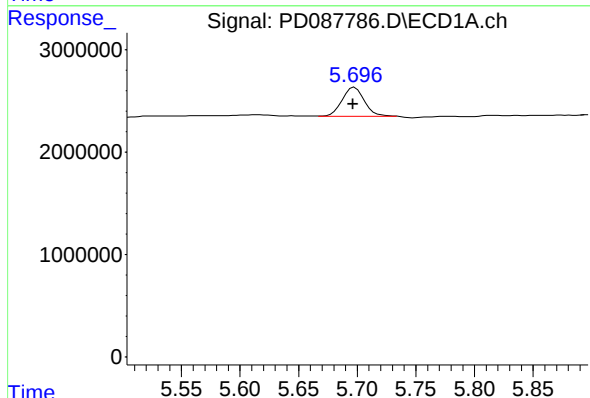
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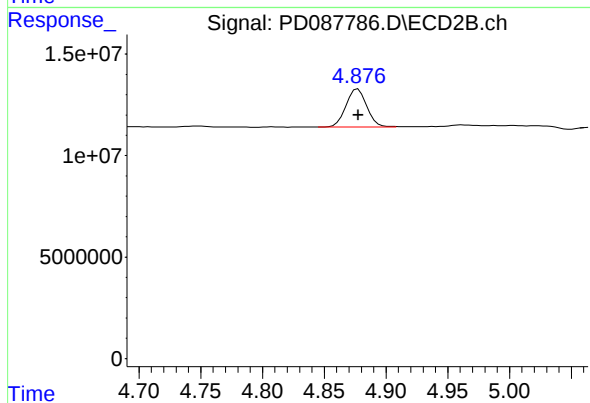
#7 delta-BHC

R.T.: 4.265 min
Delta R.T.: 0.000 min
Response: 24257551
Conc: 1.34 ng/ml



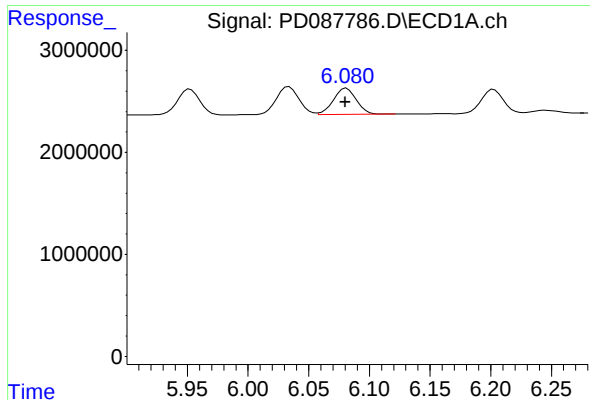
#8 Heptachlor epoxide

R.T.: 5.696 min
Delta R.T.: 0.000 min
Response: 3708247
Conc: 1.09 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.876 min
Delta R.T.: -0.002 min
Response: 22326870
Conc: 1.41 ng/ml m



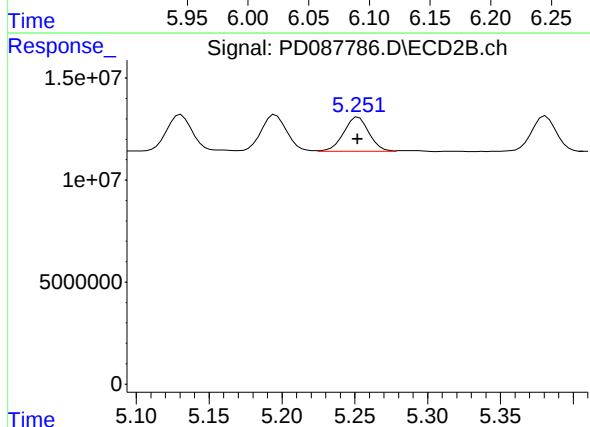
#9 Endosulfan I

R.T.: 6.081 min
Delta R.T.: 0.001 min
Response: 3399198
Conc: 1.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT1-2025

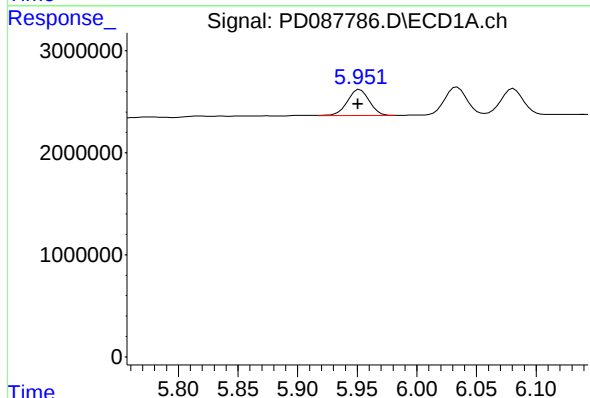
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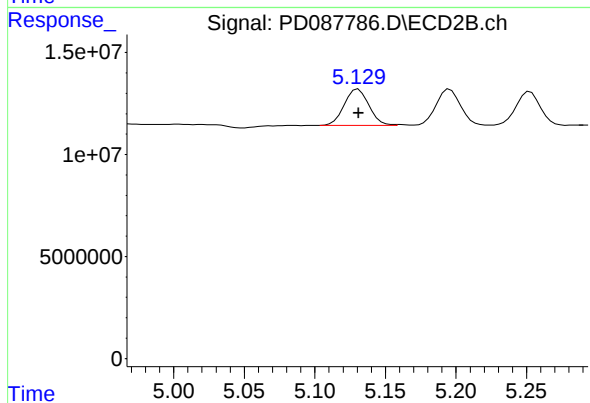
#9 Endosulfan I

R.T.: 5.251 min
Delta R.T.: -0.001 min
Response: 19989635
Conc: 1.34 ng/ml m



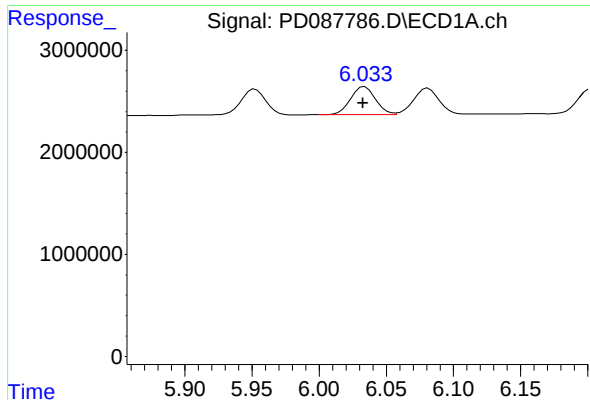
#10 gamma-Chlordane

R.T.: 5.951 min
Delta R.T.: 0.000 min
Response: 3242609
Conc: 0.98 ng/ml m



#10 gamma-Chlordane

R.T.: 5.129 min
Delta R.T.: -0.002 min
Response: 21628730
Conc: 1.33 ng/ml m



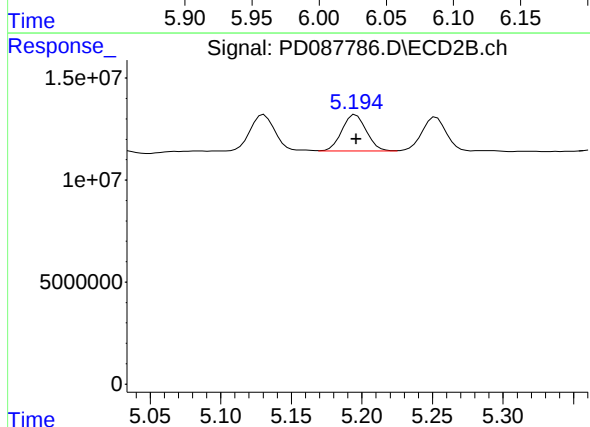
#11 alpha-Chlordane

R.T.: 6.032 min
Delta R.T.: 0.000 min
Response: 3609840
Conc: 1.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
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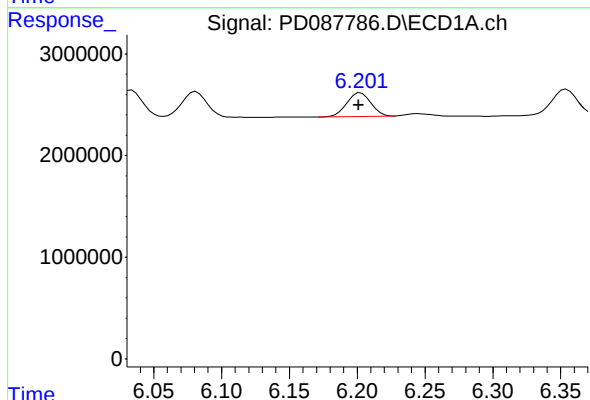
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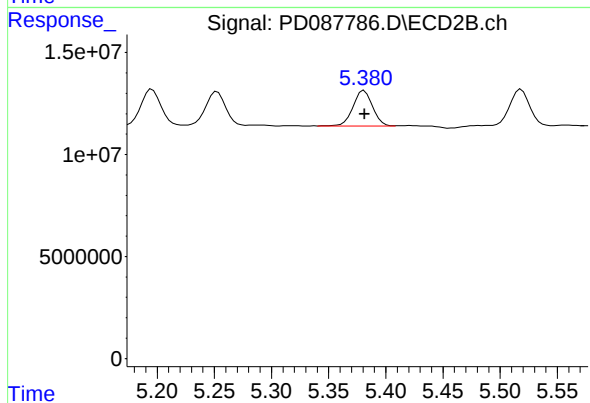
#11 alpha-Chlordane

R.T.: 5.194 min
Delta R.T.: -0.002 min
Response: 21464222
Conc: 1.35 ng/ml m



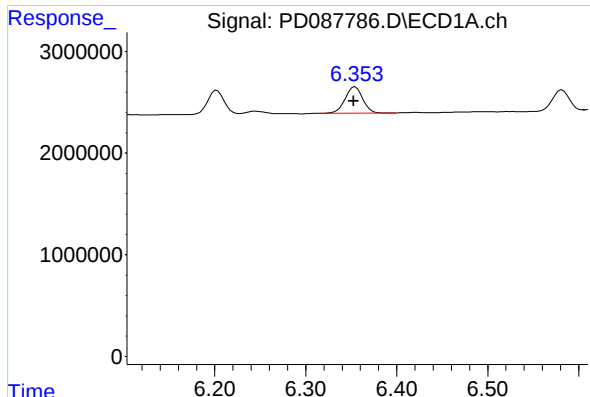
#12 4,4'-DDE

R.T.: 6.203 min
Delta R.T.: 0.001 min
Response: 2881456
Conc: 0.95 ng/ml



#12 4,4'-DDE

R.T.: 5.380 min
Delta R.T.: -0.002 min
Response: 20602551
Conc: 1.31 ng/ml m



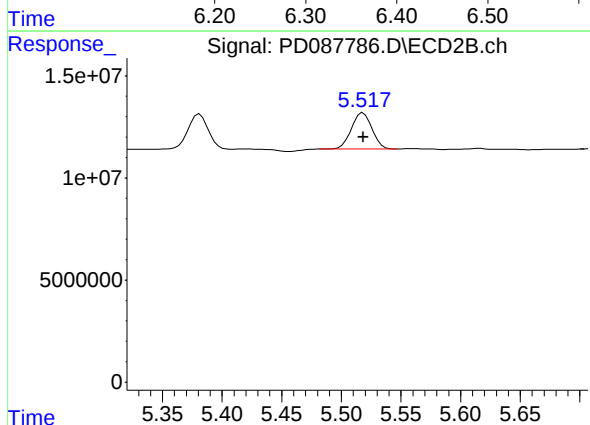
#13 Dieldrin

R.T.: 6.354 min
Delta R.T.: 0.002 min
Response: 3516262
Conc: 1.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
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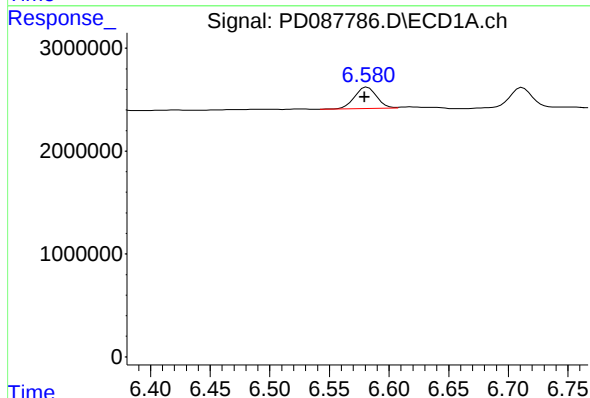
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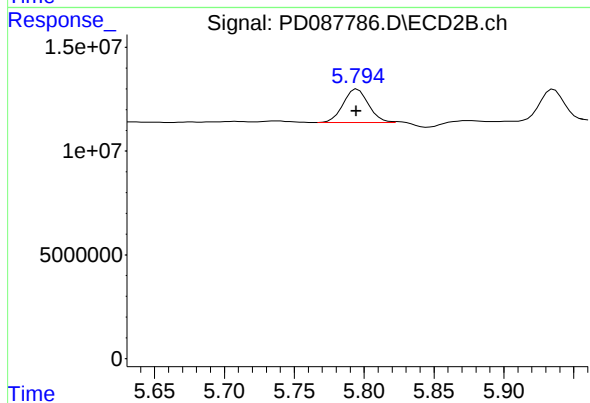
#13 Dieldrin

R.T.: 5.518 min
Delta R.T.: 0.000 min
Response: 21282513
Conc: 1.31 ng/ml



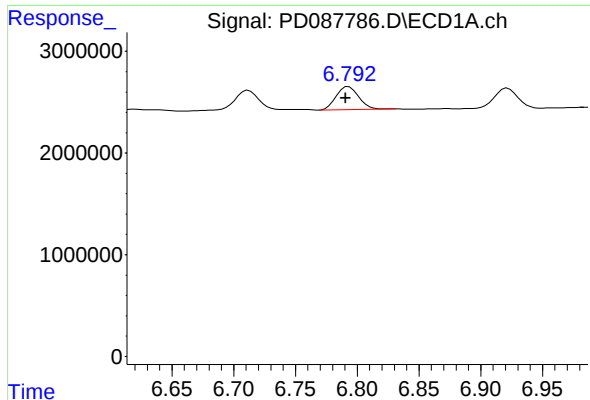
#14 Endrin

R.T.: 6.582 min
Delta R.T.: 0.002 min
Response: 2645332
Conc: 0.91 ng/ml



#14 Endrin

R.T.: 5.794 min
Delta R.T.: 0.000 min
Response: 20462005
Conc: 1.37 ng/ml m



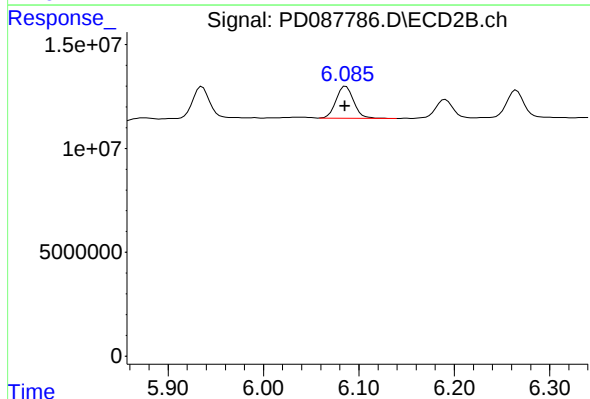
#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.003 min
Response: 2910044
Conc: 1.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT1-2025

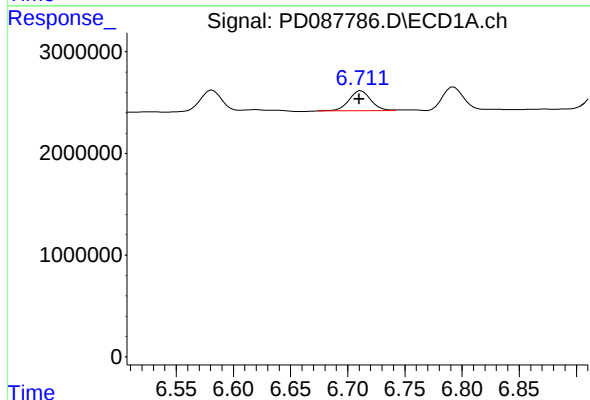
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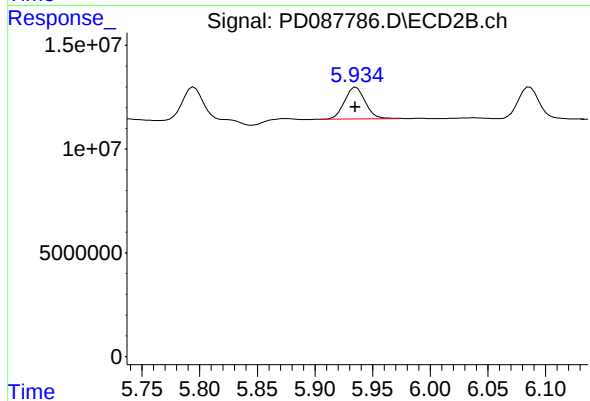
#15 Endosulfan II

R.T.: 6.086 min
Delta R.T.: 0.000 min
Response: 19945711
Conc: 1.40 ng/ml



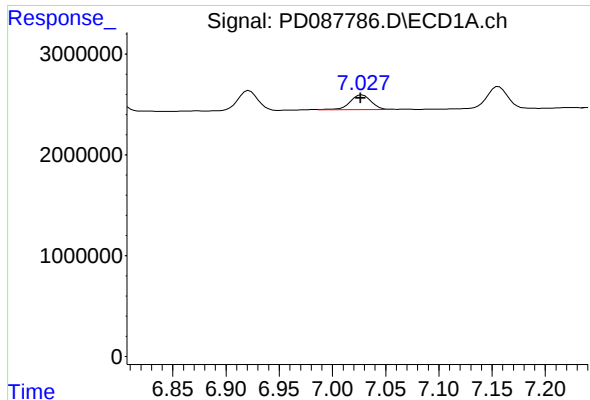
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.000 min
Response: 2627219
Conc: 1.09 ng/ml m



#16 4,4'-DDD

R.T.: 5.934 min
Delta R.T.: 0.000 min
Response: 19193294
Conc: 1.45 ng/ml m



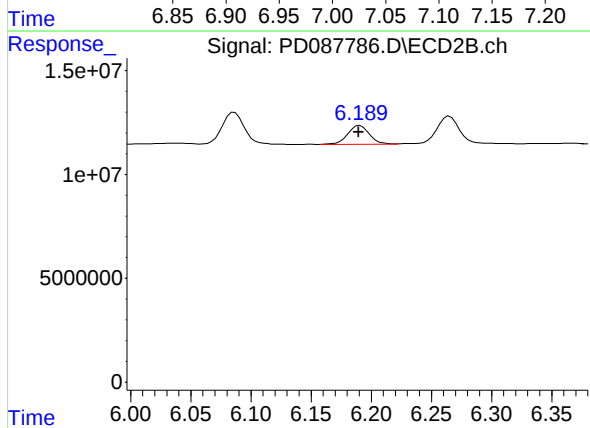
#17 4,4'-DDT

R.T.: 7.027 min
Delta R.T.: 0.000 min
Response: 2036090
Conc: 0.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT1-2025

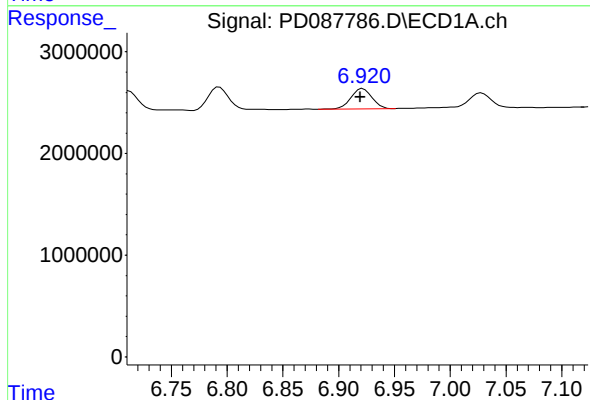
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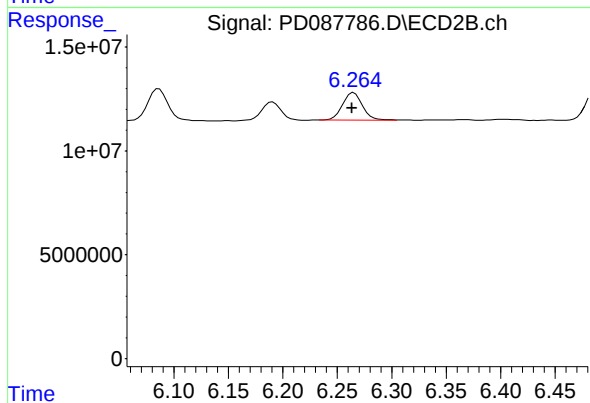
#17 4,4'-DDT

R.T.: 6.191 min
Delta R.T.: 0.001 min
Response: 11659522
Conc: 0.87 ng/ml



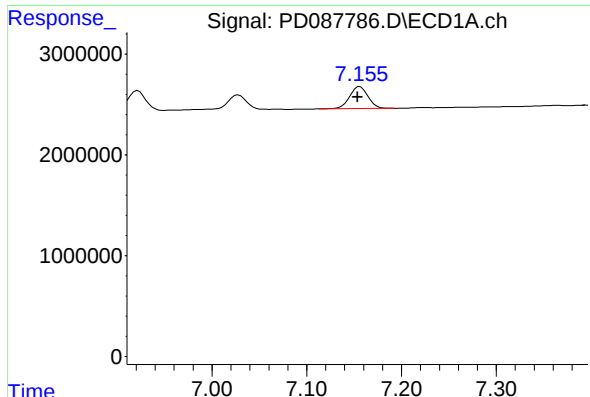
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: 0.002 min
Response: 2611491
Conc: 1.13 ng/ml



#18 Endrin aldehyde

R.T.: 6.264 min
Delta R.T.: 0.000 min
Response: 16882561
Conc: 1.45 ng/ml m



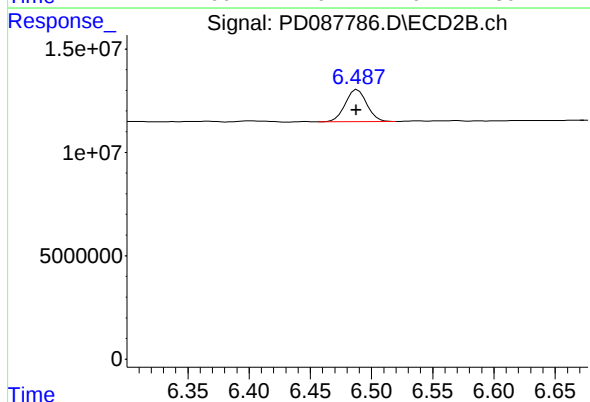
#19 Endosulfan Sulfate

R.T.: 7.156 min
Delta R.T.: 0.002 min
Response: 2971702
Conc: 1.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
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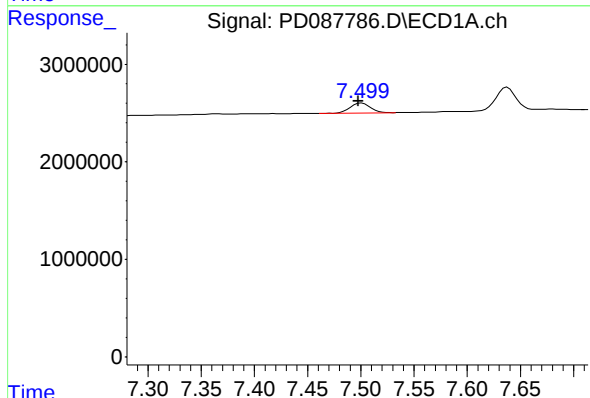
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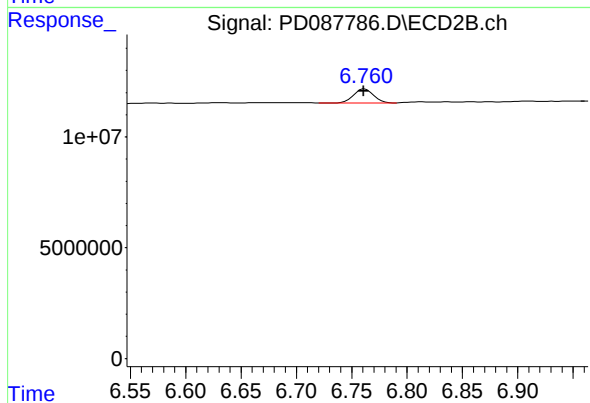
#19 Endosulfan Sulfate

R.T.: 6.489 min
Delta R.T.: 0.001 min
Response: 19081434
Conc: 1.34 ng/ml



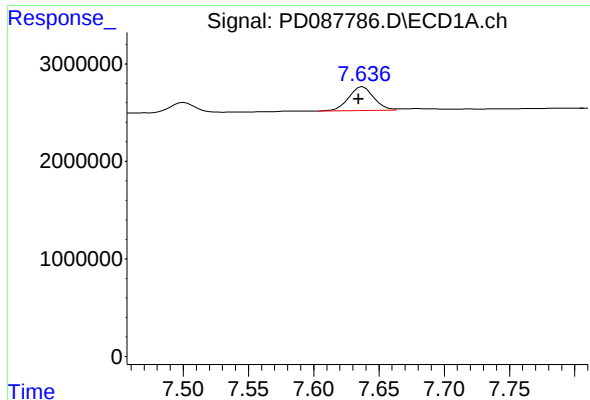
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.003 min
Response: 1374603
Conc: 0.94 ng/ml



#20 Methoxychlor

R.T.: 6.762 min
Delta R.T.: 0.001 min
Response: 7863330
Conc: 1.03 ng/ml



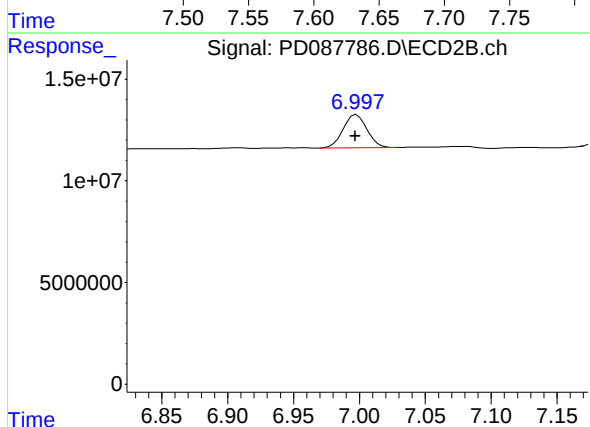
#21 Endrin ketone

R.T.: 7.636 min
Delta R.T.: 0.002 min
Response: 3241877
Conc: 1.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT1-2025

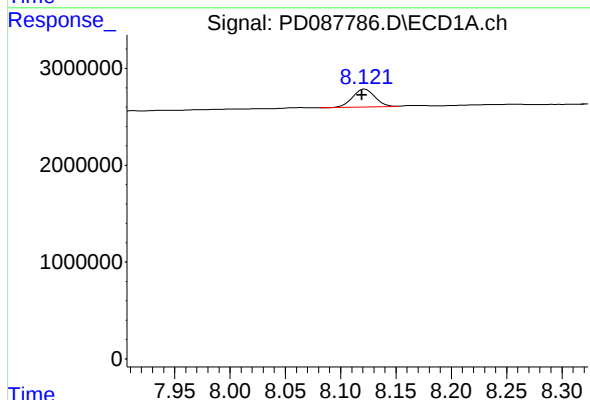
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



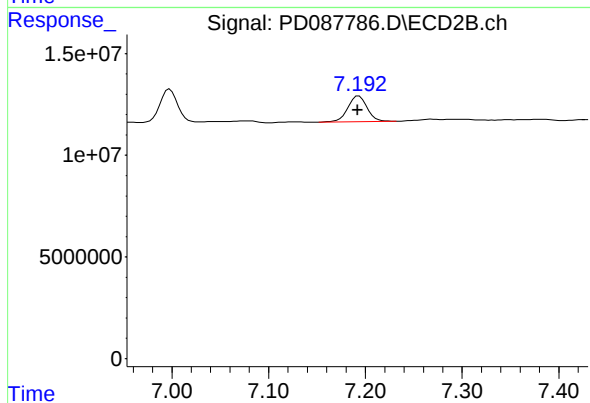
#21 Endrin ketone

R.T.: 6.998 min
Delta R.T.: 0.001 min
Response: 20477858
Conc: 1.31 ng/ml



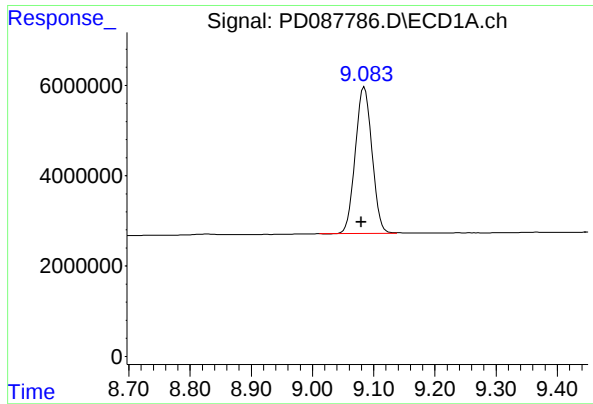
#22 Mirex

R.T.: 8.122 min
Delta R.T.: 0.003 min
Response: 2586405
Conc: 1.12 ng/ml



#22 Mirex

R.T.: 7.193 min
Delta R.T.: 0.001 min
Response: 17473496
Conc: 1.38 ng/ml



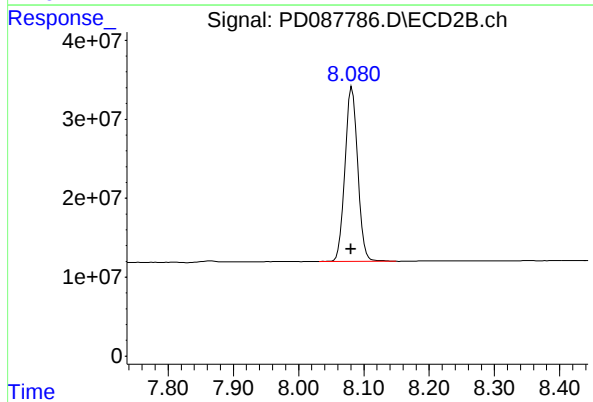
#28 Decachlorobiphenyl

R.T.: 9.085 min
Delta R.T.: 0.005 min
Response: 61369273
Conc: 20.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
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#28 Decachlorobiphenyl

R.T.: 8.082 min
Delta R.T.: 0.001 min
Response: 299789702
Conc: 21.21 ng/ml