

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD100325\
 Data File : PD090499.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Oct 2025 15:57
 Operator : AR\AJ
 Sample : Q3256-04MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 SOIL-PILE-1-WCMS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/03/2025
 Supervised By :mohammad ahmed 10/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 03 02:45:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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...	3.546	2.876	45646479	356.2E6	14.043	12.975
28)	SA Decachlor...	9.062	8.059	81649951	491.5E6	16.922	15.162
Target Compounds							
2)	A alpha-BHC	3.995	3.387	249.8E6	1435.5E6	35.766	32.787
3)	MA gamma-BHC...	4.323	3.723	236.7E6	1337.9E6	35.767m	32.843
4)	MA Heptachlor	4.923	4.075	239.1E6	1327.7E6	36.160	32.607
5)	MB Aldrin	5.264	4.360	225.0E6	1287.1E6	35.429	32.230
6)	B beta-BHC	4.511	4.019	91288159	569.5E6	35.384	32.849
7)	B delta-BHC	4.758	4.255	237.9E6	1369.0E6	36.841m	33.152
8)	B Heptachlo...	5.684	4.864	211.0E6	1265.4E6	36.920	34.324
9)	A Endosulfan I	6.066	5.238	201.9E6	1174.2E6	37.373m	33.932
10)	B gamma-Chl...	5.939	5.116	207.5E6	1304.7E6	36.335	33.209
11)	B alpha-Chl...	6.018	5.181	220.3E6	1254.6E6	38.237m	33.309
12)	B 4,4'-DDE	6.189	5.365	191.6E6	1273.2E6	36.790	33.260
13)	MA Dieldrin	6.340	5.503	217.7E6	1314.2E6	37.770	33.744
14)	MA Endrin	6.566	5.779	187.1E6	1212.4E6	38.234	33.835
15)	B Endosulfa...	6.779	6.070	191.0E6	1157.1E6	39.152	34.285
16)	A 4,4'-DDD	6.698	5.919	154.2E6	1084.3E6	37.632	33.437
17)	MA 4,4'-DDT	7.014	6.172	173.0E6	1151.9E6	38.862	33.505
18)	B Endrin al...	6.908	6.248	141.9E6	878.7E6	41.361	37.316
19)	B Endosulfa...	7.142	6.472	177.8E6	1142.0E6	38.652	34.935
20)	A Methoxychlor	7.486	6.743	90998777	598.6E6	38.616	34.400
21)	B Endrin ke...	7.623	6.980	192.6E6	1237.1E6	38.939	34.267
22)	Mirex	8.105	7.173	141.4E6	920.3E6	38.172	33.338

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD100325\
Data File : PD090499.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2025 15:57
Operator : AR\AJ
Sample : Q3256-04MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

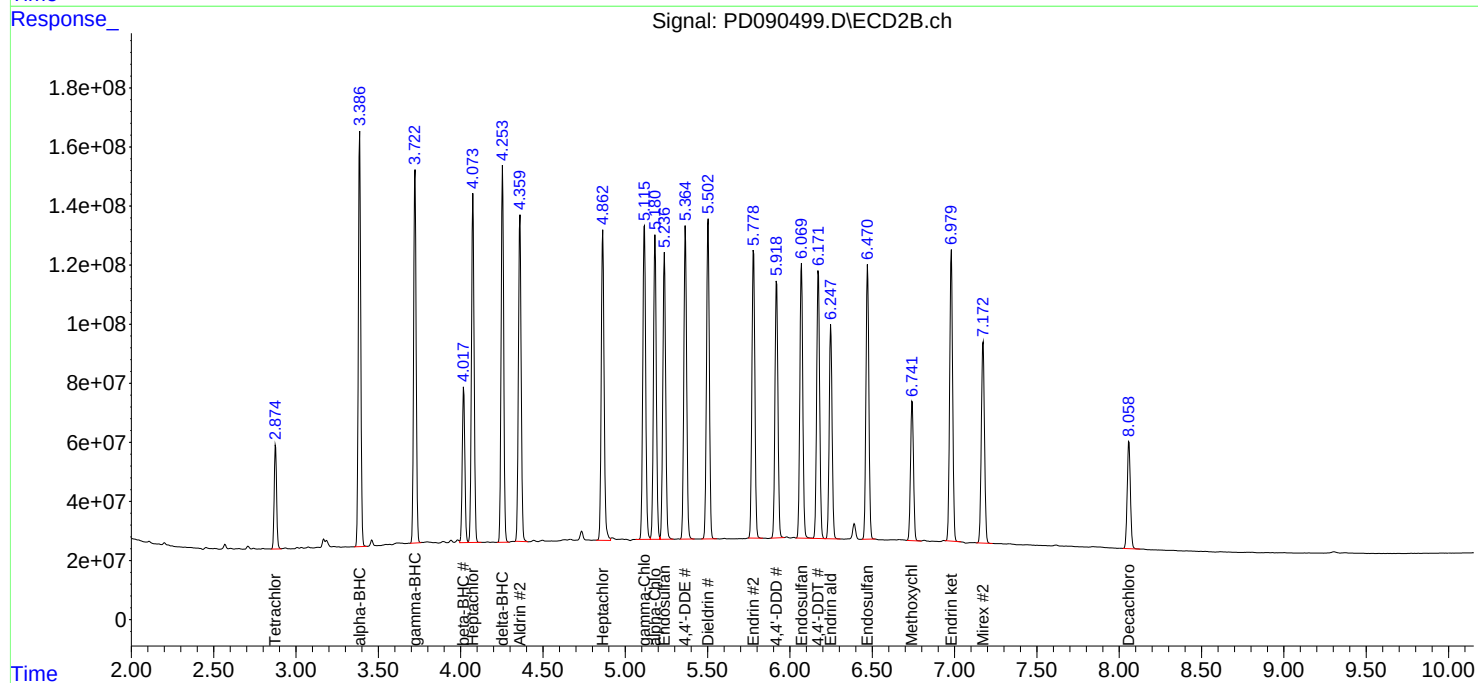
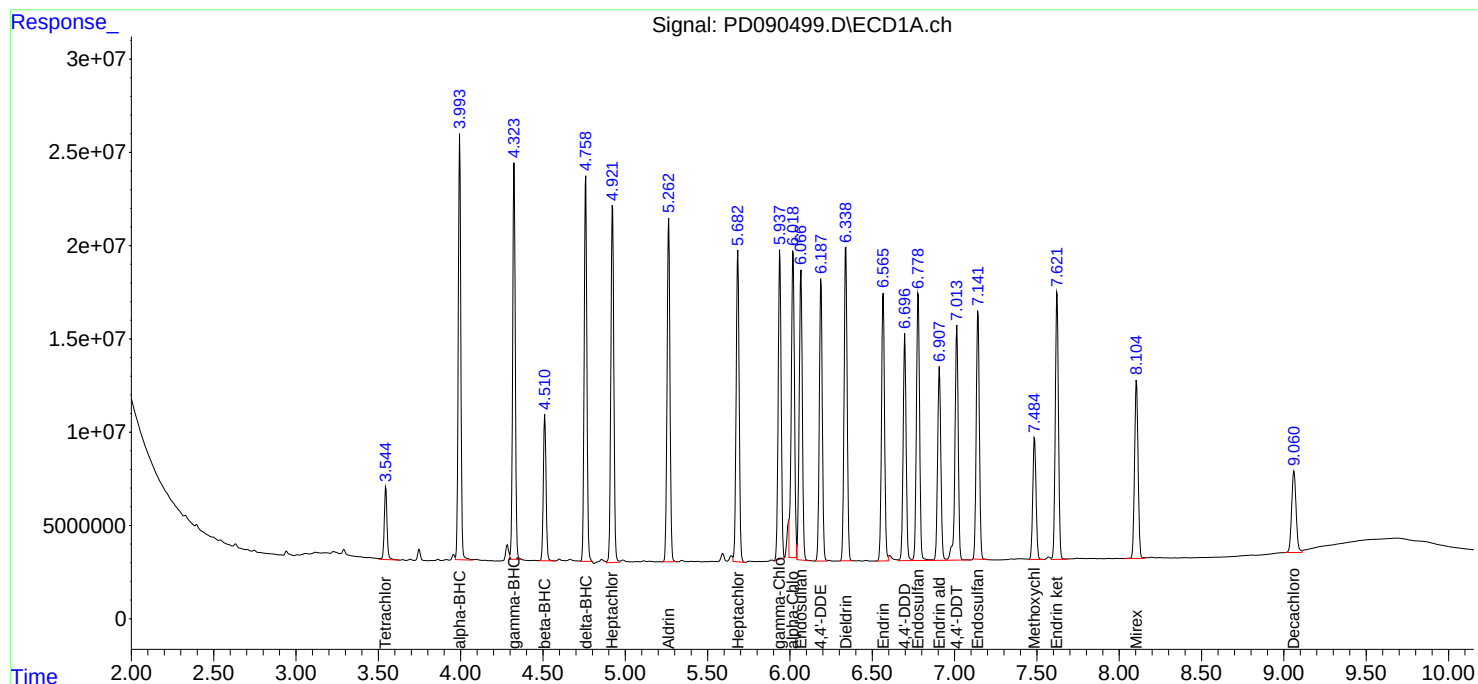
Instrument :
ECD_D
ClientSampleId :
SOIL-PILE-1-WCMS

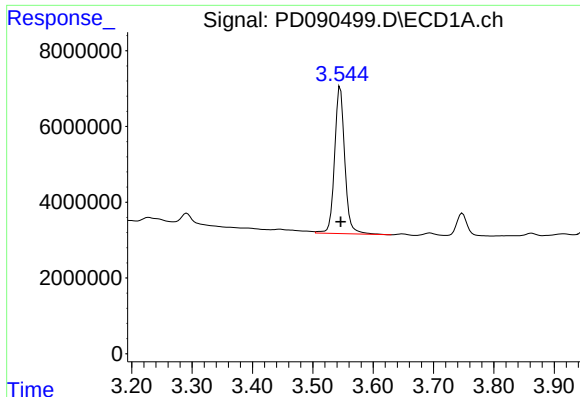
Manual Integrations
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Supervised By :mohammad ahmed 10/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 02:45:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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





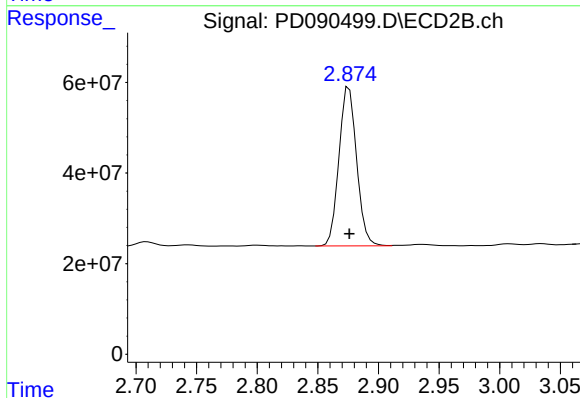
#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 45646479
Conc: 14.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILE-1-WCMS

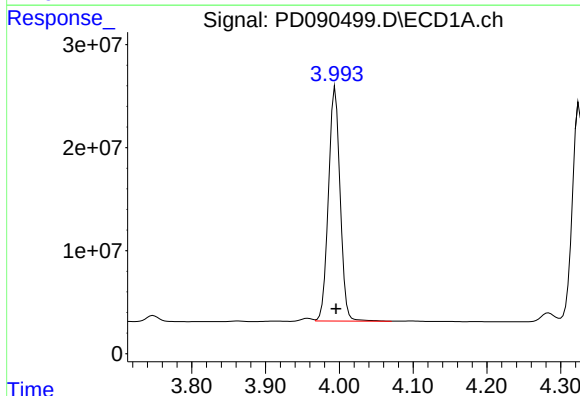
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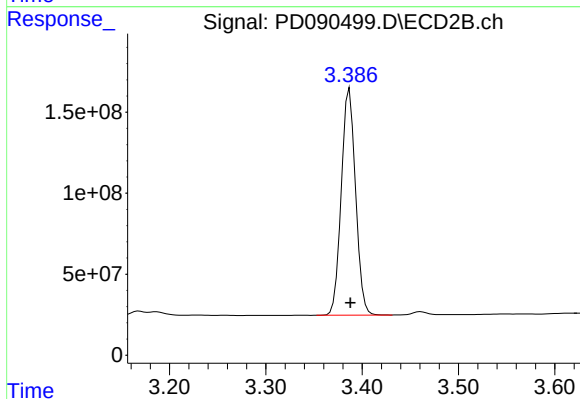
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 356153265
Conc: 12.97 ng/ml



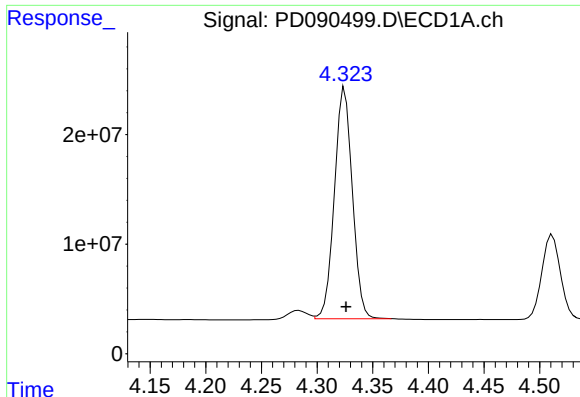
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 249809708
Conc: 35.77 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: 0.000 min
Response: 1435533514
Conc: 32.79 ng/ml



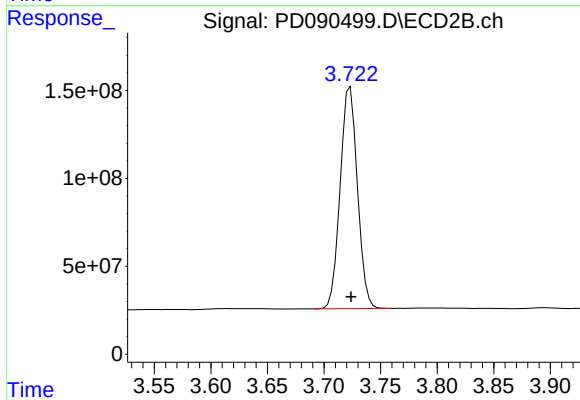
#3 gamma-BHC (Lindane)

R.T.: 4.323 min
Delta R.T.: -0.003 min
Response: 236668910
Conc: 35.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILE-1-WCMS

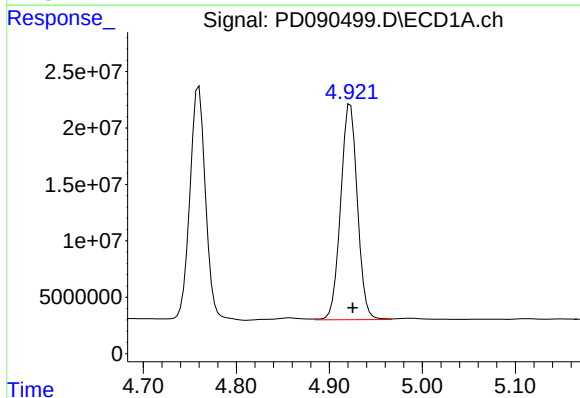
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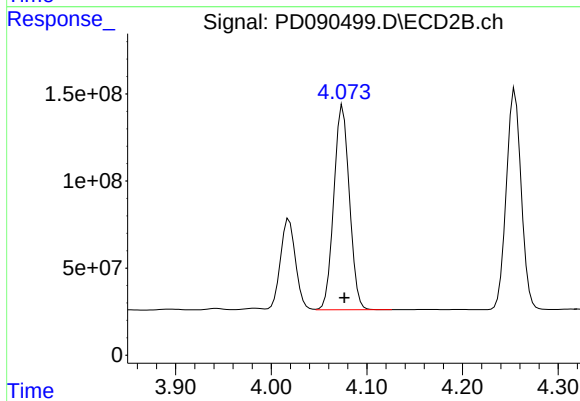
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 1337864001
Conc: 32.84 ng/ml



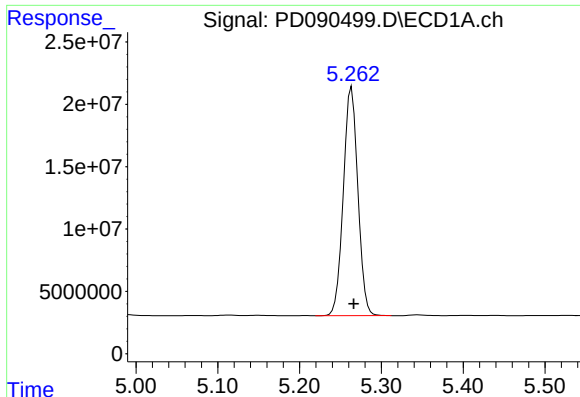
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: -0.002 min
Response: 239113428
Conc: 36.16 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: -0.002 min
Response: 1327669840
Conc: 32.61 ng/ml



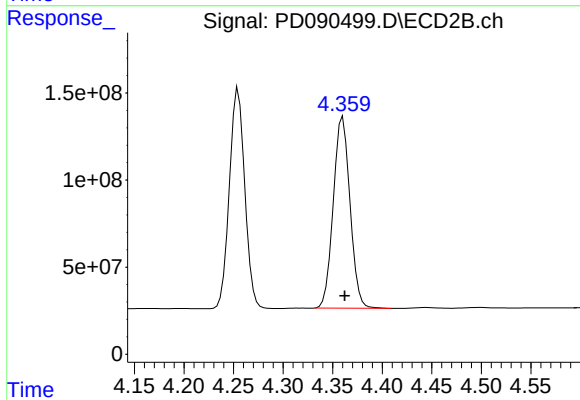
#5 Aldrin

R.T.: 5.264 min
Delta R.T.: -0.003 min
Response: 224971055
Conc: 35.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
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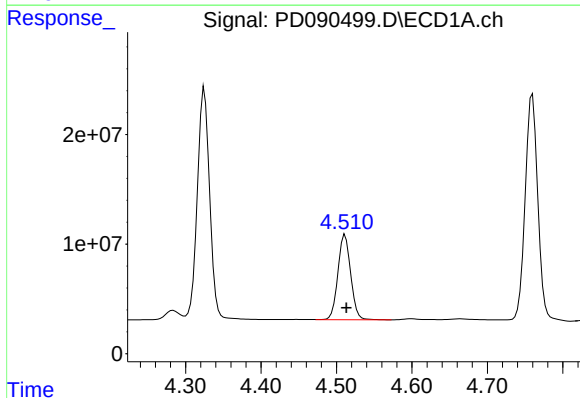
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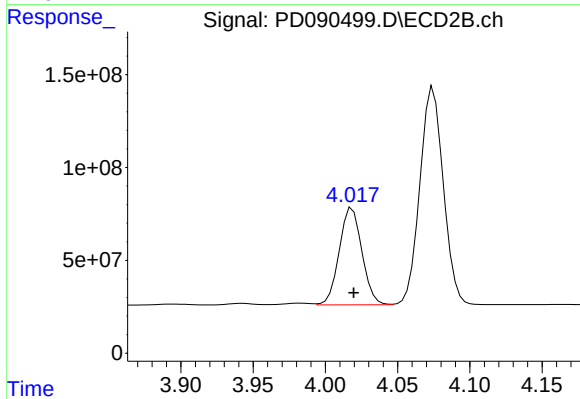
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: -0.002 min
Response: 1287104868
Conc: 32.23 ng/ml



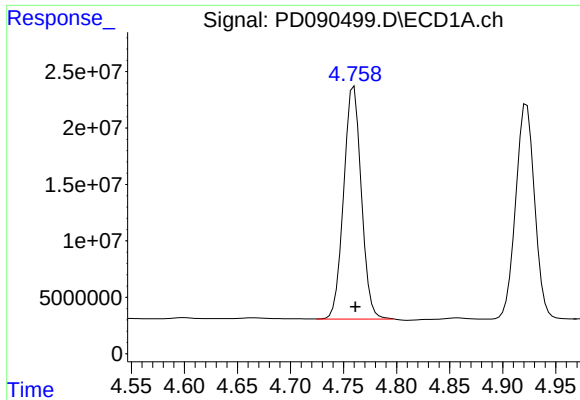
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: -0.002 min
Response: 91288159
Conc: 35.38 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: -0.001 min
Response: 569454018
Conc: 32.85 ng/ml



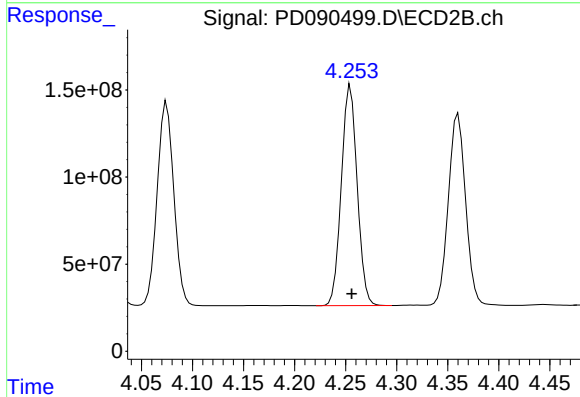
#7 delta-BHC

R.T.: 4.758 min
Delta R.T.: -0.003 min
Response: 237902792
Conc: 36.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILE-1-WCMS

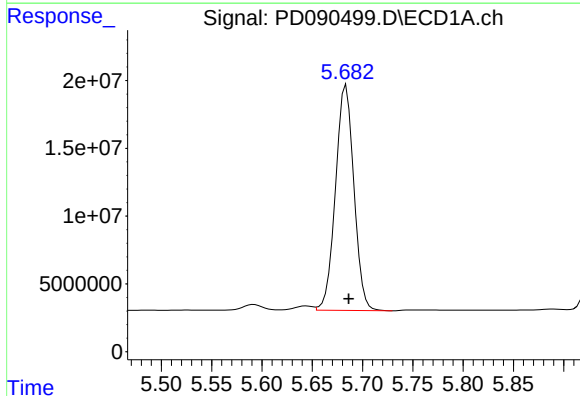
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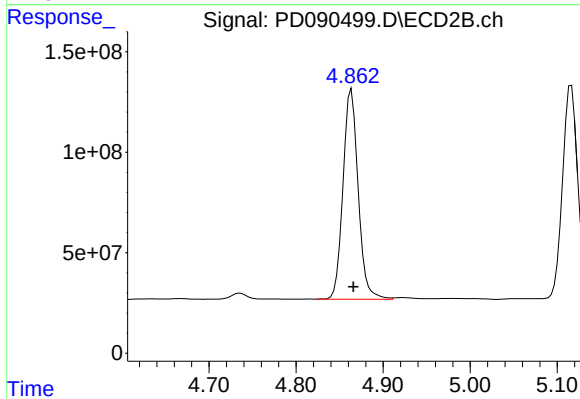
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: -0.001 min
Response: 1368992633
Conc: 33.15 ng/ml



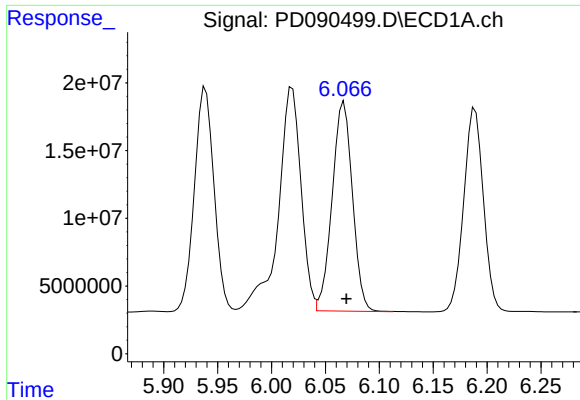
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: -0.003 min
Response: 210992748
Conc: 36.92 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: -0.002 min
Response: 1265356459
Conc: 34.32 ng/ml



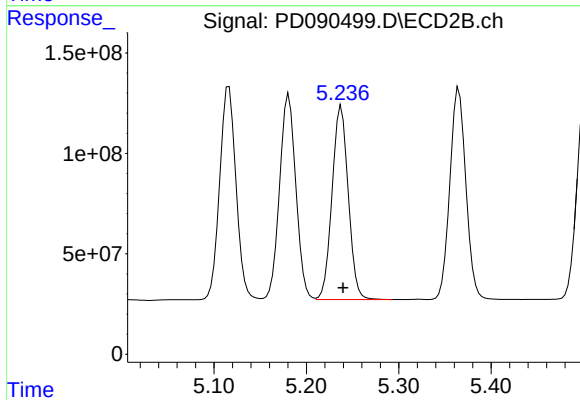
#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: -0.004 min
Response: 201869163
Conc: 37.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILE-1-WCMS

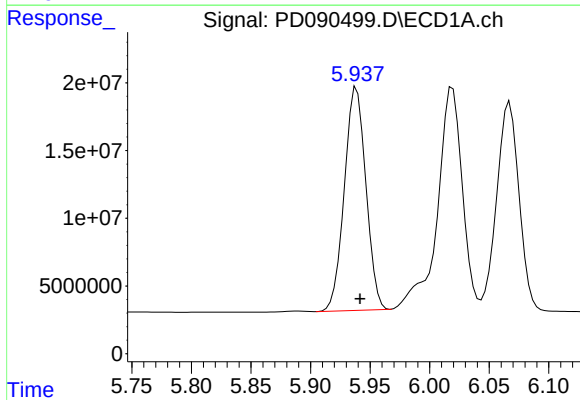
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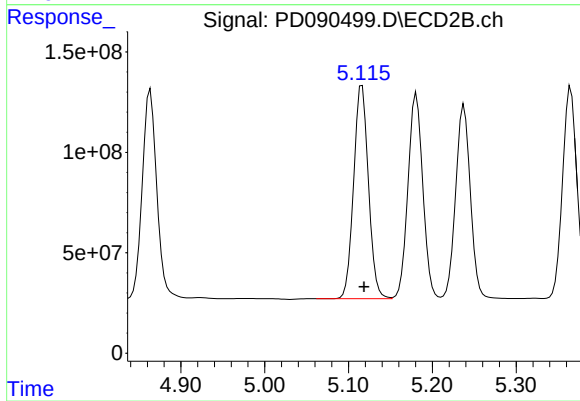
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: -0.002 min
Response: 1174223855
Conc: 33.93 ng/ml



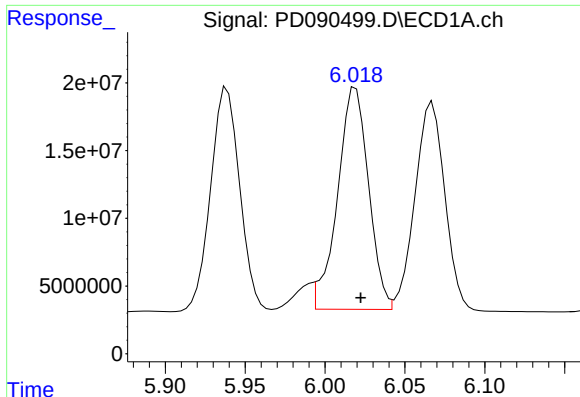
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: -0.003 min
Response: 207543112
Conc: 36.33 ng/ml



#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.002 min
Response: 1304664389
Conc: 33.21 ng/ml



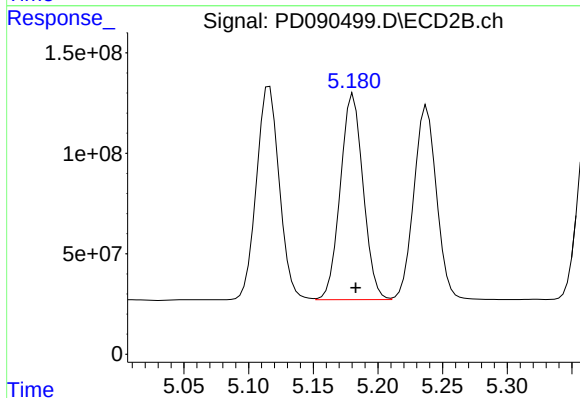
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: -0.004 min
Response: 220278818
Conc: 38.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
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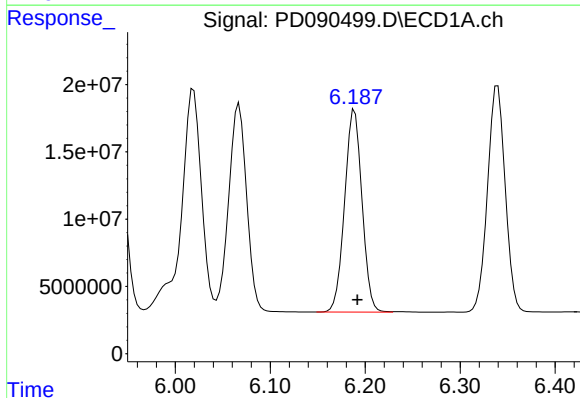
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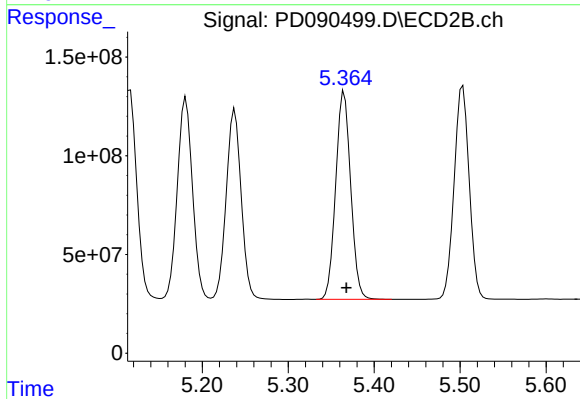
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: -0.002 min
Response: 1254598621
Conc: 33.31 ng/ml



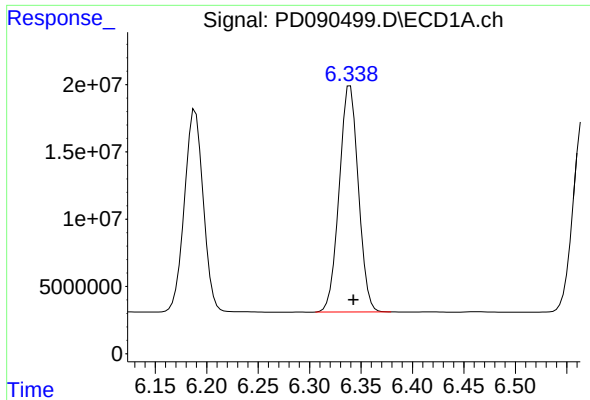
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.003 min
Response: 191581866
Conc: 36.79 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 1273165055
Conc: 33.26 ng/ml



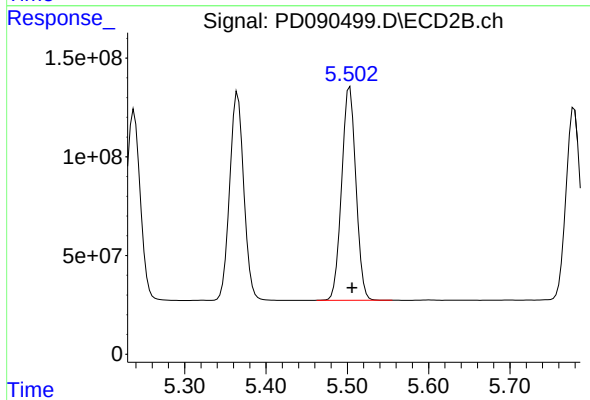
#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: -0.003 min
Response: 217734361
Conc: 37.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
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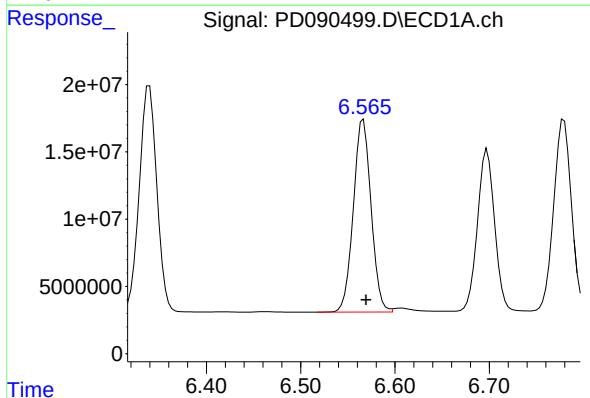
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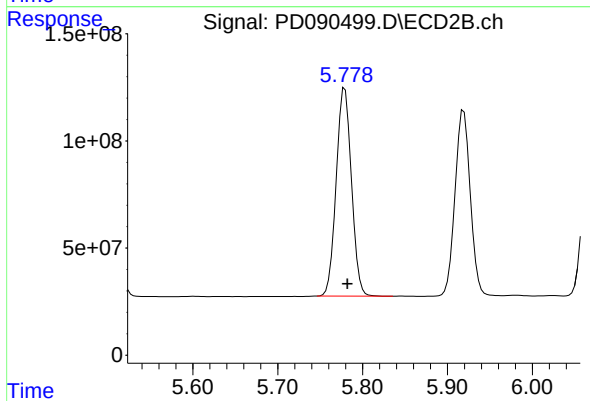
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: -0.003 min
Response: 1314186932
Conc: 33.74 ng/ml



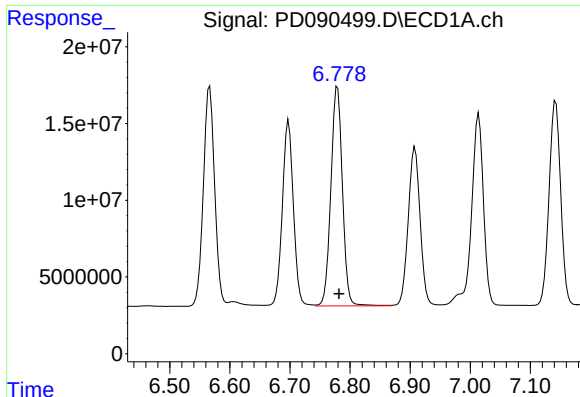
#14 Endrin

R.T.: 6.566 min
Delta R.T.: -0.003 min
Response: 187113357
Conc: 38.23 ng/ml



#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 1212390833
Conc: 33.84 ng/ml



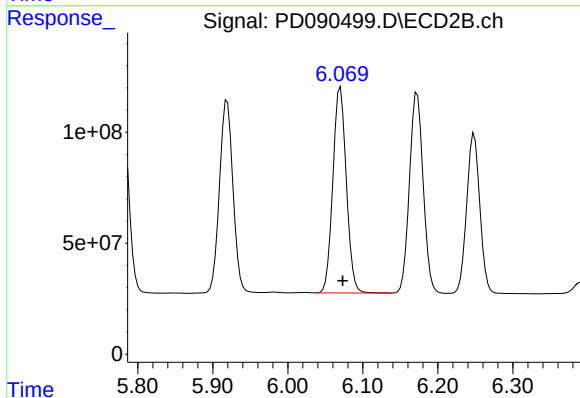
#15 Endosulfan II

R.T.: 6.779 min
Delta R.T.: -0.002 min
Response: 190975708
Conc: 39.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
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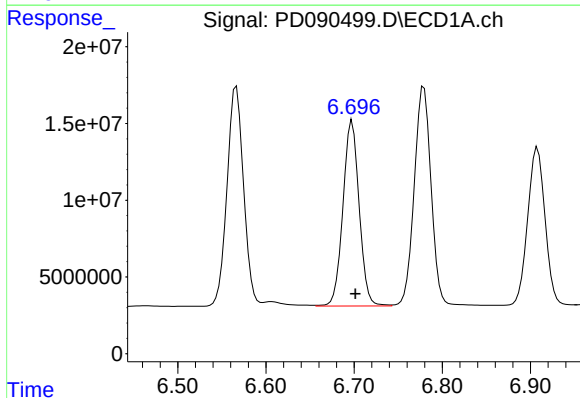
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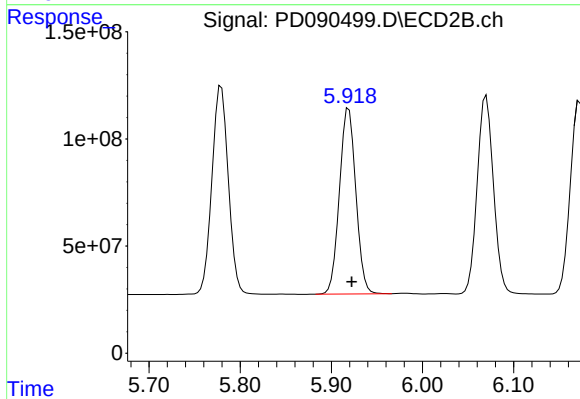
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.003 min
Response: 1157139153
Conc: 34.28 ng/ml



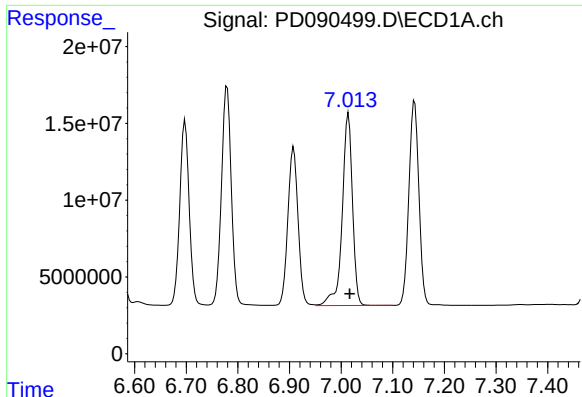
#16 4,4'-DDD

R.T.: 6.698 min
Delta R.T.: -0.004 min
Response: 154208635
Conc: 37.63 ng/ml



#16 4,4'-DDD

R.T.: 5.919 min
Delta R.T.: -0.003 min
Response: 1084303315
Conc: 33.44 ng/ml



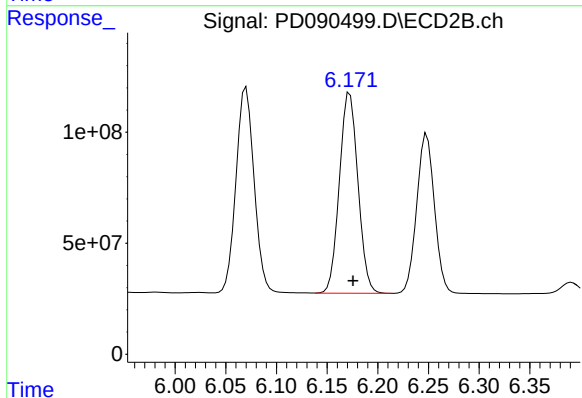
#17 4,4'-DDT

R.T.: 7.014 min
Delta R.T.: -0.003 min
Response: 173032695
Conc: 38.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILE-1-WCMS

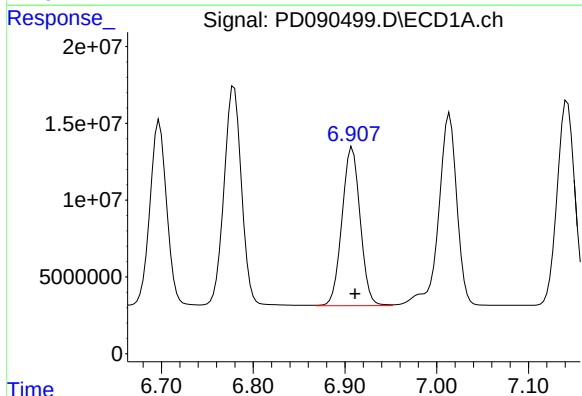
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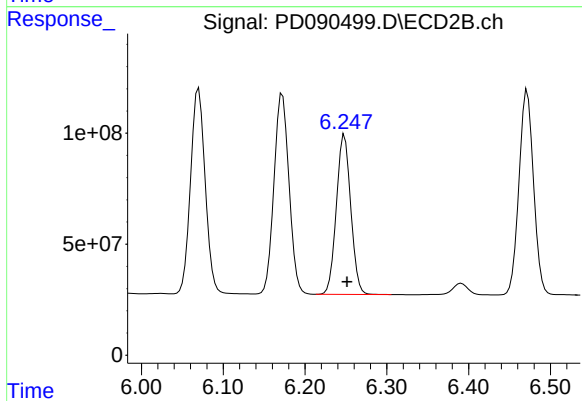
#17 4,4'-DDT

R.T.: 6.172 min
Delta R.T.: -0.003 min
Response: 1151878999
Conc: 33.51 ng/ml



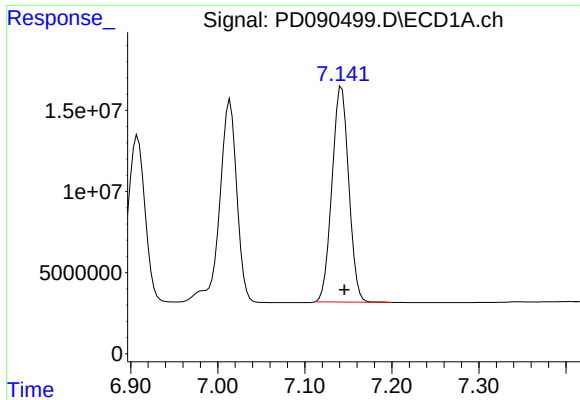
#18 Endrin aldehyde

R.T.: 6.908 min
Delta R.T.: -0.003 min
Response: 141893290
Conc: 41.36 ng/ml



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.003 min
Response: 878667852
Conc: 37.32 ng/ml



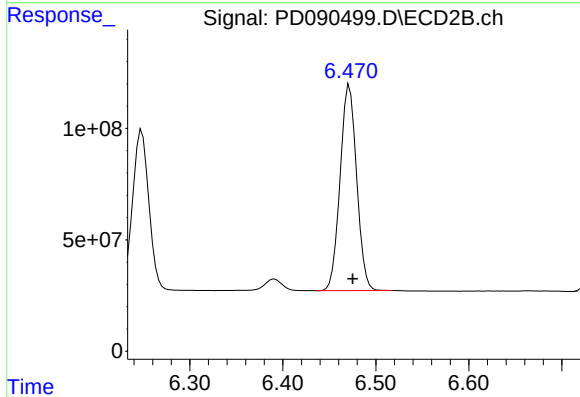
#19 Endosulfan Sulfate

R.T.: 7.142 min
Delta R.T.: -0.003 min
Response: 177814207
Conc: 38.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILE-1-WCMS

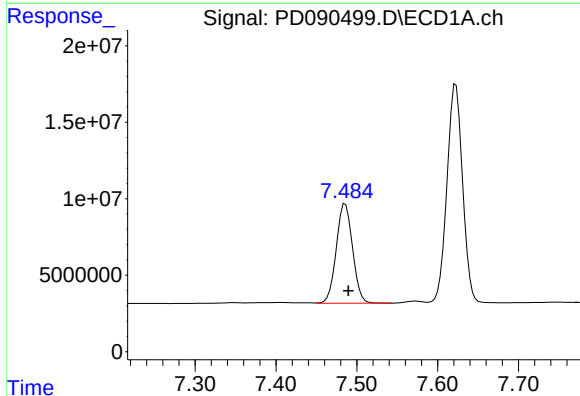
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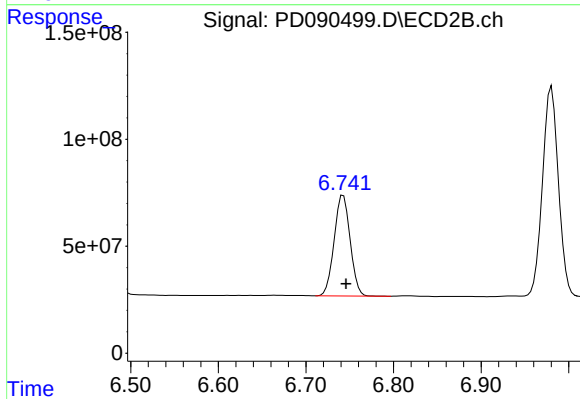
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.003 min
Response: 1142038971
Conc: 34.94 ng/ml



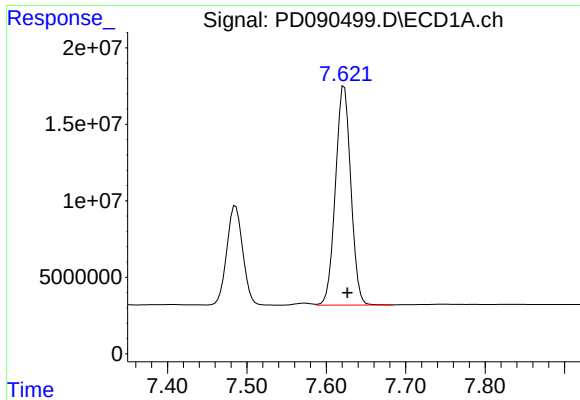
#20 Methoxychlor

R.T.: 7.486 min
Delta R.T.: -0.004 min
Response: 90998777
Conc: 38.62 ng/ml



#20 Methoxychlor

R.T.: 6.743 min
Delta R.T.: -0.003 min
Response: 598576940
Conc: 34.40 ng/ml



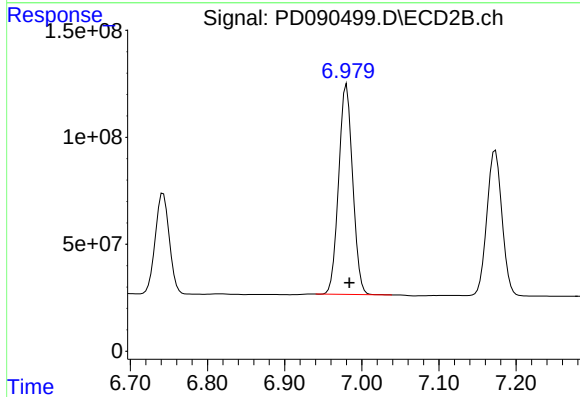
#21 Endrin ketone

R.T.: 7.623 min
Delta R.T.: -0.004 min
Response: 192647781
Conc: 38.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILE-1-WCMS

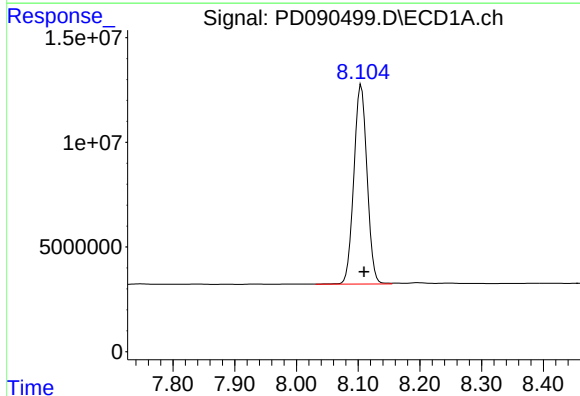
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/03/2025
Supervised By :mohammad ahmed 10/04/2025



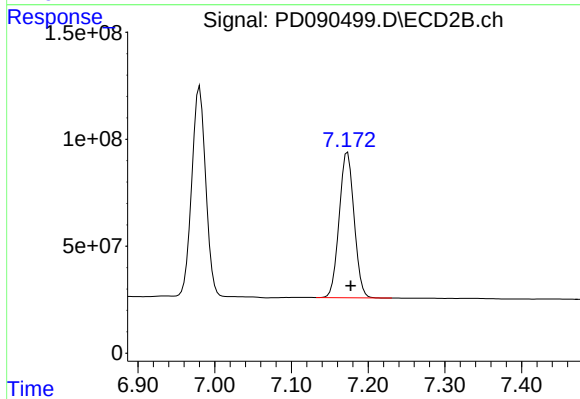
#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: -0.004 min
Response: 1237149581
Conc: 34.27 ng/ml



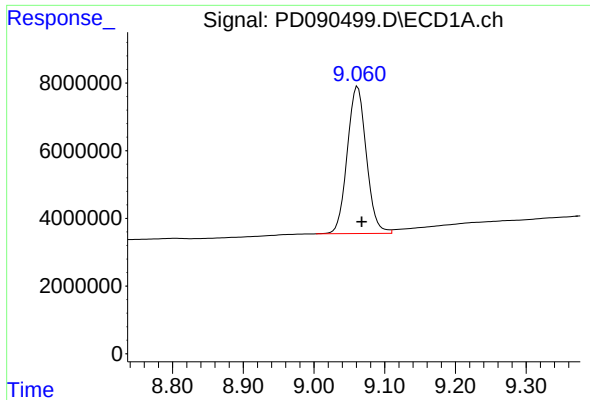
#22 Mirex

R.T.: 8.105 min
Delta R.T.: -0.004 min
Response: 141422696
Conc: 38.17 ng/ml



#22 Mirex

R.T.: 7.173 min
Delta R.T.: -0.004 min
Response: 920341601
Conc: 33.34 ng/ml



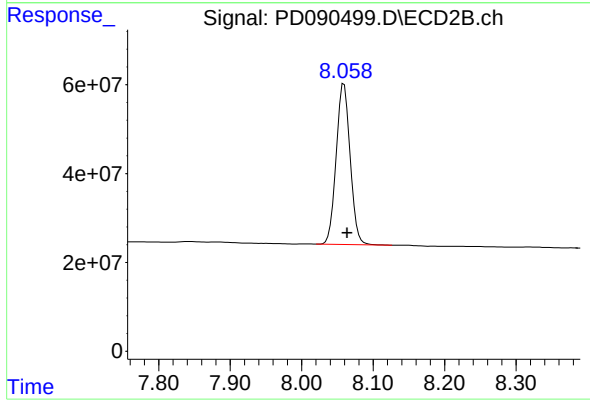
#28 Decachlorobiphenyl

R.T.: 9.062 min
Delta R.T.: -0.006 min
Response: 81649951
Conc: 16.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILE-1-WCMS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/03/2025
Supervised By :mohammad ahmed 10/04/2025



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.005 min
Response: 491487874
Conc: 15.16 ng/ml