

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090425\
 Data File : PD090148.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Sep 2025 13:03
 Operator : AR\AJ
 Sample : Q2893-01
 Misc : PEST LOD 2.5PPB
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/05/2025
 Supervised By :mohammad ahmed 09/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 05 02:02:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 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...	3.551	2.878	49780018	422.7E6	16.962	19.171
28)	SA Decachlor...	9.074	8.066	79536066	502.9E6	18.428	19.426
Target Compounds							
2)	A alpha-BHC	3.999	3.389	12672637	100.9E6	2.111	2.972 #
3)	MA gamma-BHC...	4.331	3.725	12747437	90447818	2.226	2.902 #
4)	MA Heptachlor	4.929	4.078	13392920	89986333	2.388	2.885
5)	MB Aldrin	5.270	4.364	13183418	90517299	2.435	2.972
6)	B beta-BHC	4.517	4.022	5783796	40883971	2.579	3.067
7)	B delta-BHC	4.766	4.258	13280934	91406917	2.565	2.897
8)	B Heptachlo...	5.689	4.868	12469251	86580285	2.541m	3.126
9)	A Endosulfan I	6.074	5.242	12023749	80263923	2.605	3.061
10)	B gamma-Chl...	5.946	5.119	12183723	88706499	2.491	2.996m
11)	B alpha-Chl...	6.027	5.185	12685996	86257978	2.577	3.023
12)	B 4,4'-DDE	6.195	5.370	10520202	88051651	2.397	3.055 #
13)	MA Dieldrin	6.346	5.508	12053338	87644145	2.462	2.993
14)	MA Endrin	6.574	5.784	9310659	78155990	2.247	2.935 #
15)	B Endosulfa...	6.786	6.075	11078538	78714260	2.625	3.112
16)	A 4,4'-DDD	6.705	5.924	8661027	75911295	2.504	3.157 #
17)	MA 4,4'-DDT	7.021	6.178	7851969	59367050	2.061	2.368
18)	B Endrin al...	6.916	6.254	8615962	58717386	3.005	3.410
19)	B Endosulfa...	7.150	6.478	10380681	72472232	2.649	2.973
20)	A Methoxychlor	7.494	6.749	4541738	32283287	2.265	2.503
21)	B Endrin ke...	7.631	6.986	10956995	84656581	2.644	3.177
22)	Mirex	8.114	7.180	8293898	58107611	2.629	2.813

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090425\
Data File : PD090148.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Sep 2025 13:03
Operator : AR\AJ
Sample : Q2893-01
Misc : PEST LOD 2.5PPB
ALS Vial : 10 Sample Multiplier: 1

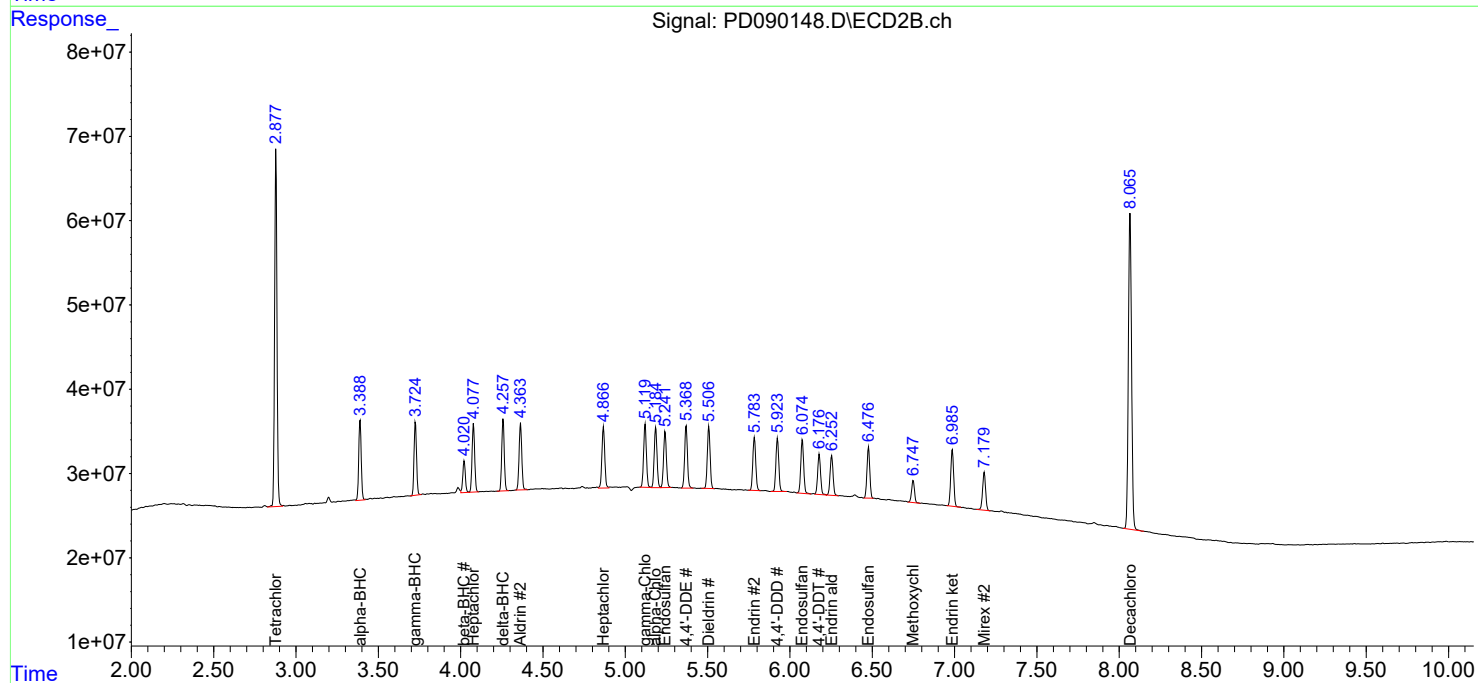
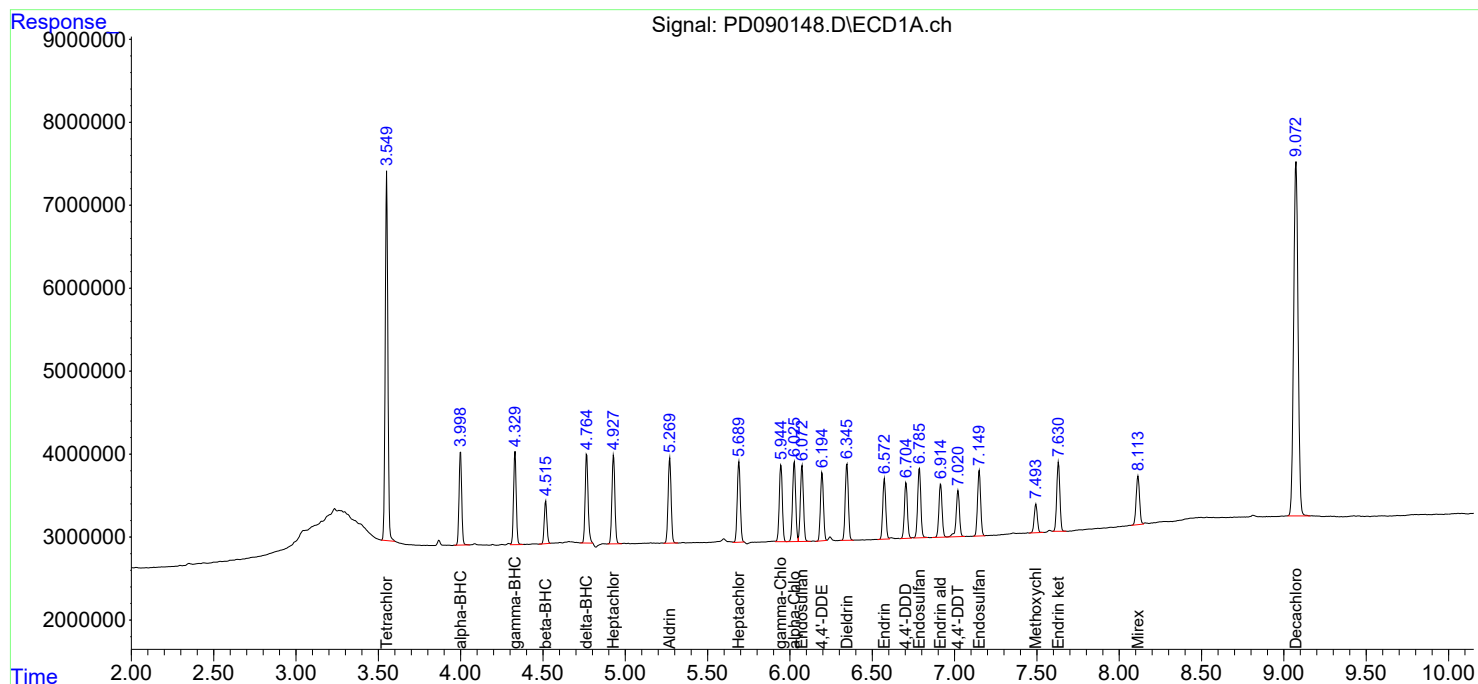
Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

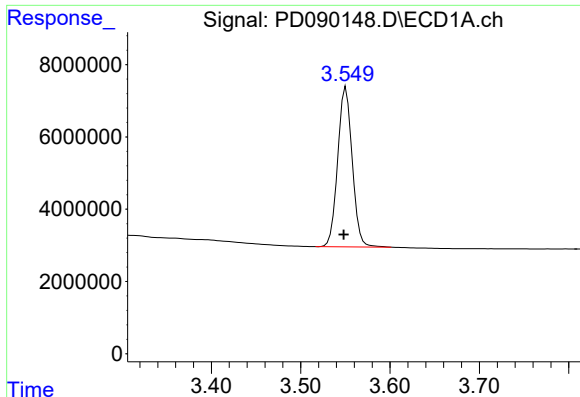
Manual Integrations
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Supervised By :mohammad ahmed 09/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 05 02:02:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
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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





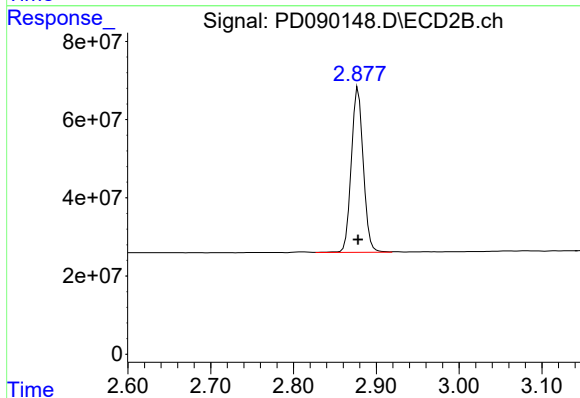
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.003 min
Response: 49780018
Conc: 16.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

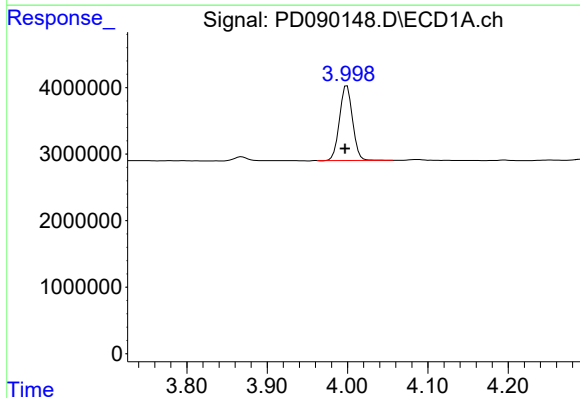
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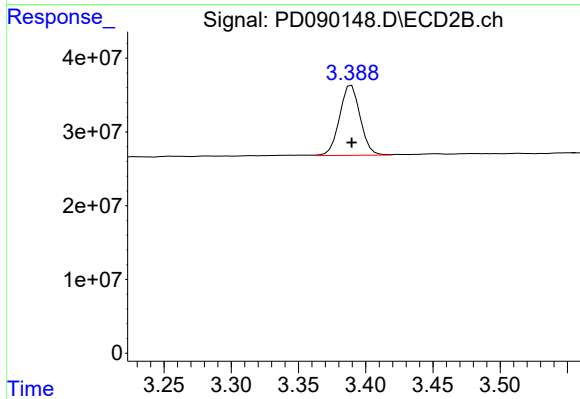
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 422737391
Conc: 19.17 ng/ml



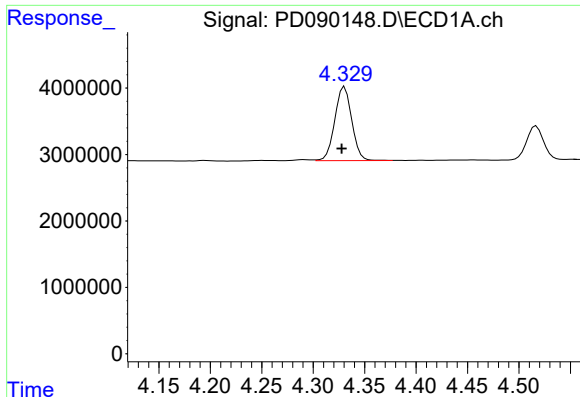
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.002 min
Response: 12672637
Conc: 2.11 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 100860963
Conc: 2.97 ng/ml



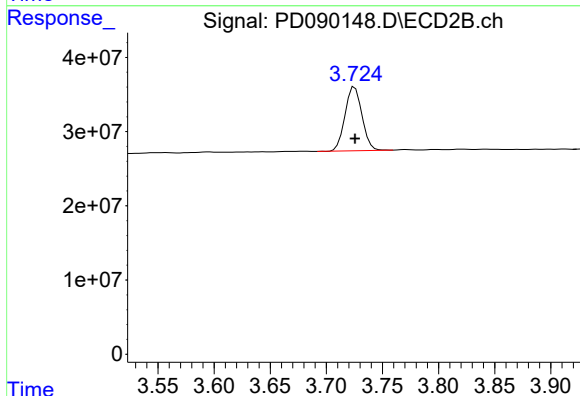
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.003 min
Response: 12747437
Conc: 2.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

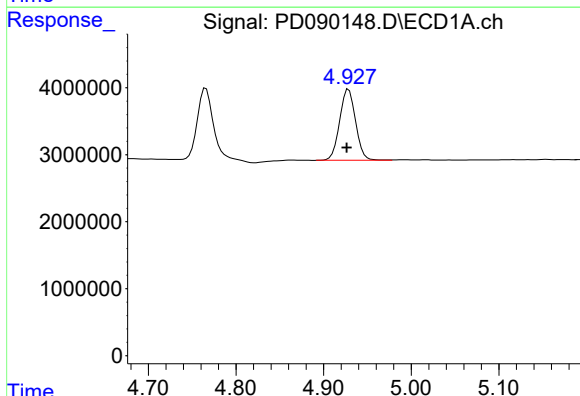
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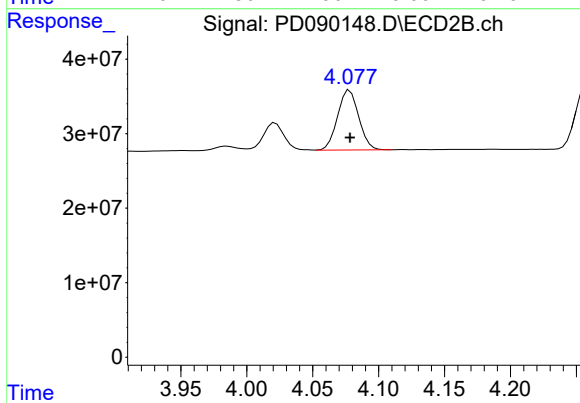
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 90447818
Conc: 2.90 ng/ml



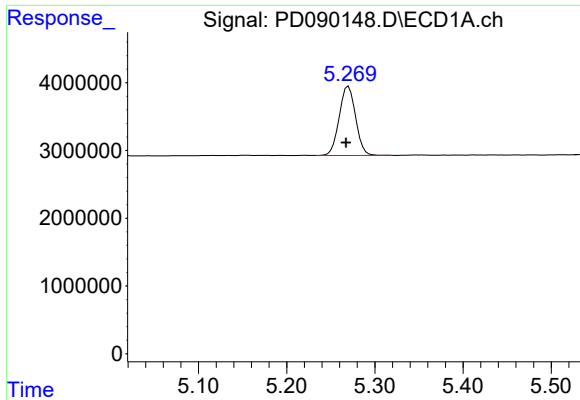
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.002 min
Response: 13392920
Conc: 2.39 ng/ml



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.000 min
Response: 89986333
Conc: 2.88 ng/ml



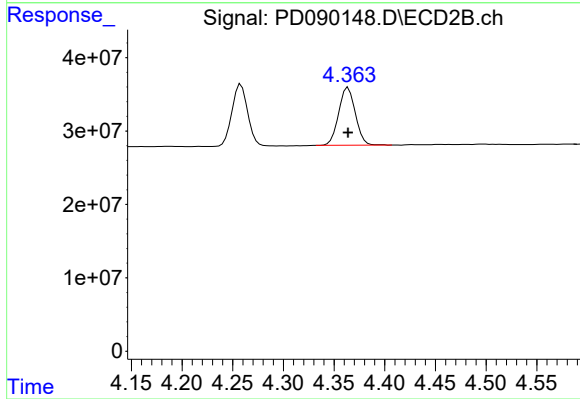
#5 Aldrin

R.T.: 5.270 min
Delta R.T.: 0.003 min
Response: 13183418
Conc: 2.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

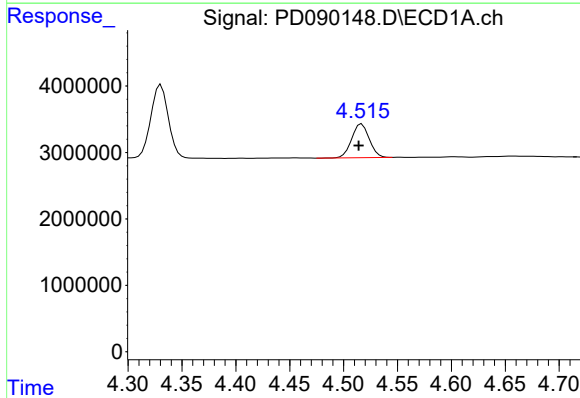
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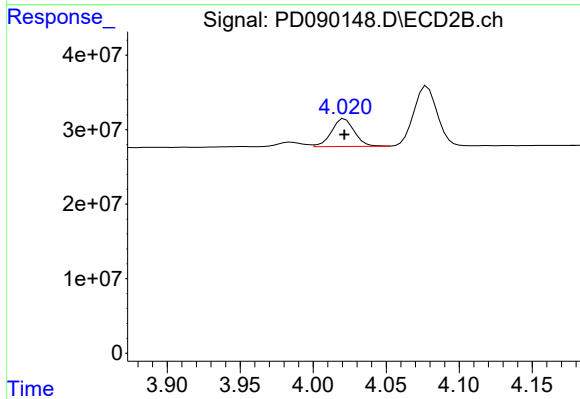
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 90517299
Conc: 2.97 ng/ml



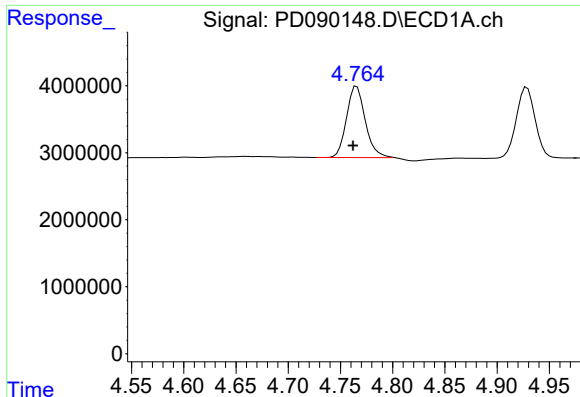
#6 beta-BHC

R.T.: 4.517 min
Delta R.T.: 0.003 min
Response: 5783796
Conc: 2.58 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 40883971
Conc: 3.07 ng/ml



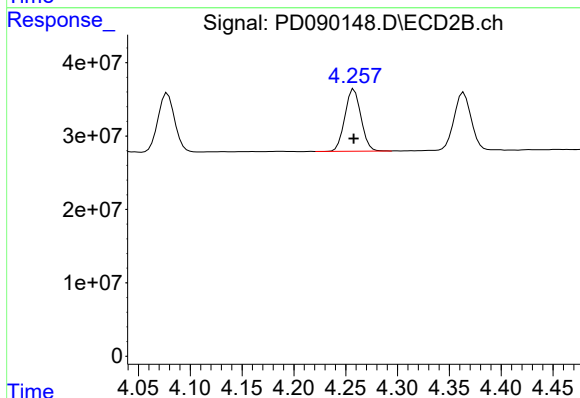
#7 delta-BHC

R.T.: 4.766 min
Delta R.T.: 0.004 min
Response: 13280934
Conc: 2.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

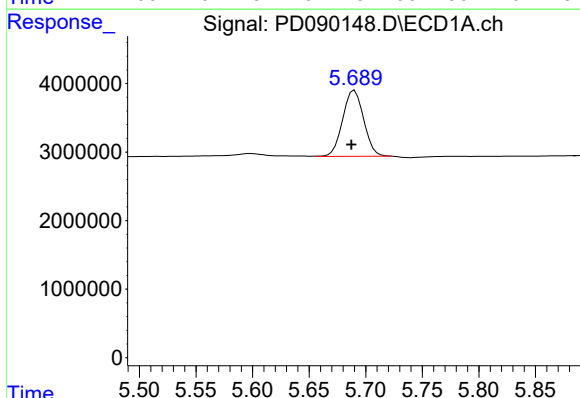
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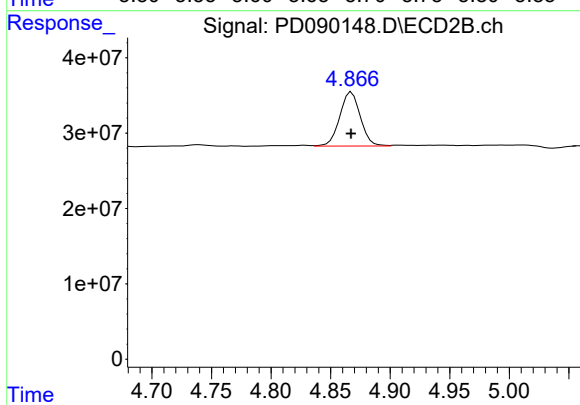
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 91406917
Conc: 2.90 ng/ml



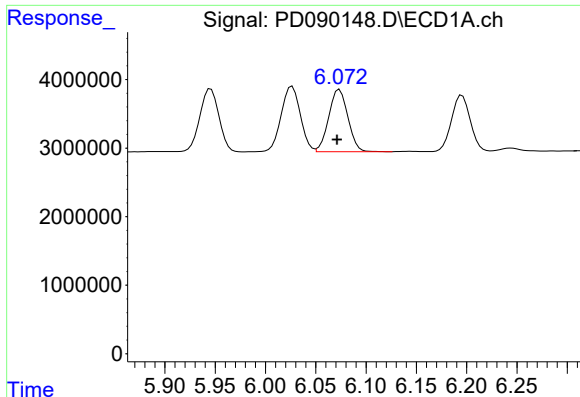
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.001 min
Response: 12469251
Conc: 2.54 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 86580285
Conc: 3.13 ng/ml



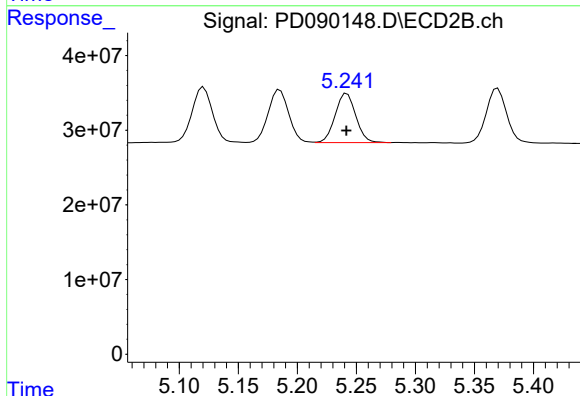
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.002 min
Response: 12023749
Conc: 2.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

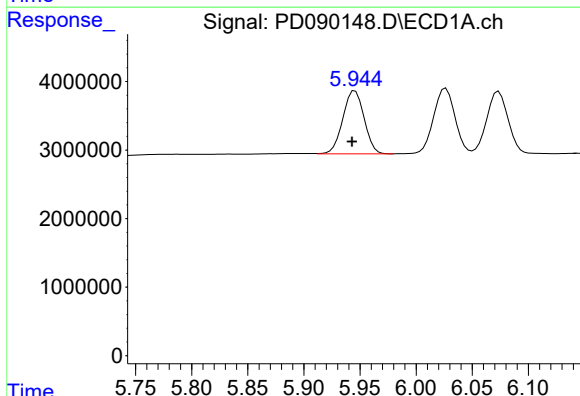
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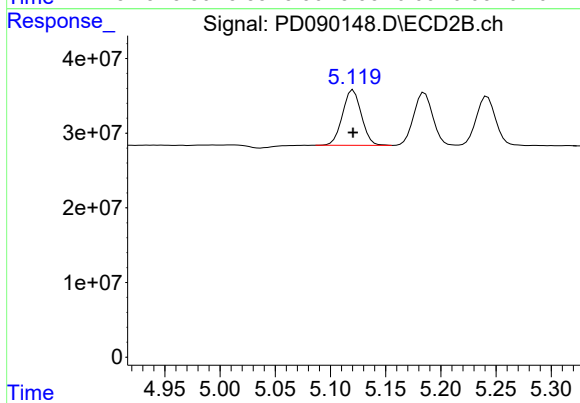
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 80263923
Conc: 3.06 ng/ml



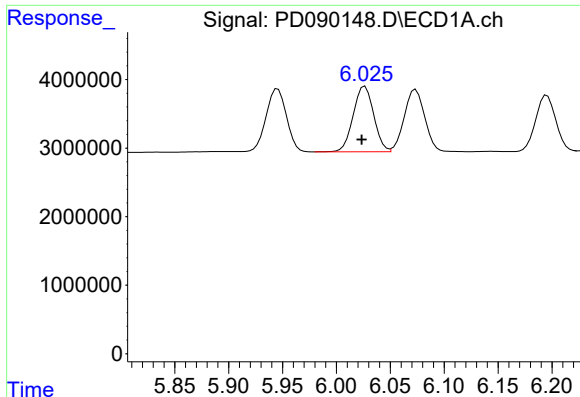
#10 gamma-Chlordane

R.T.: 5.946 min
Delta R.T.: 0.003 min
Response: 12183723
Conc: 2.49 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: -0.001 min
Response: 88706499
Conc: 3.00 ng/ml m



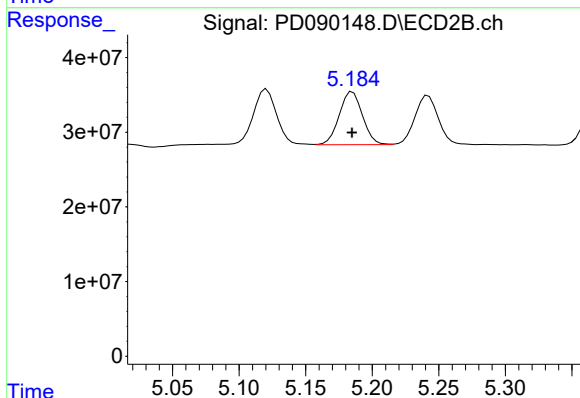
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.003 min
Response: 12685996
Conc: 2.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
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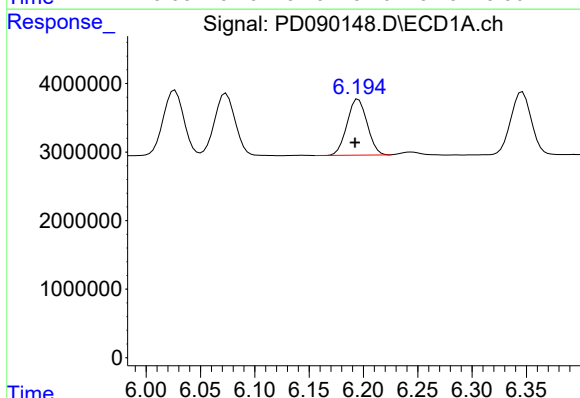
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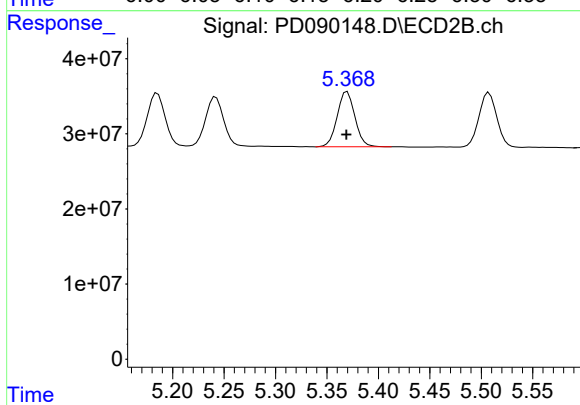
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 86257978
Conc: 3.02 ng/ml



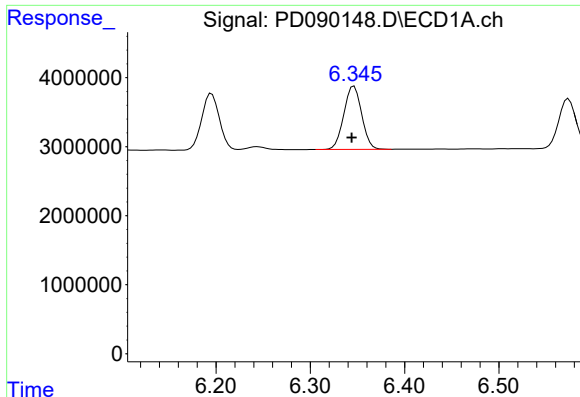
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.003 min
Response: 10520202
Conc: 2.40 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: 0.000 min
Response: 88051651
Conc: 3.05 ng/ml



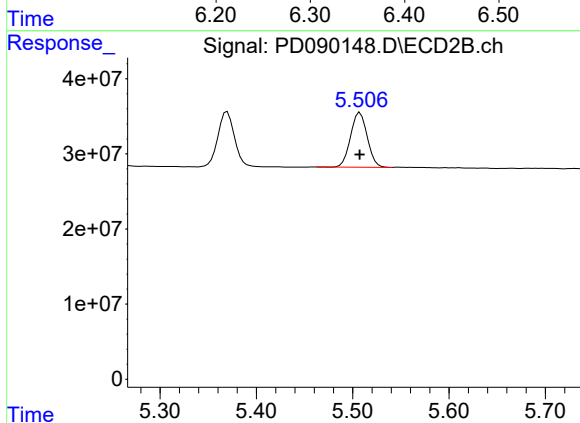
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.002 min
Response: 12053338
Conc: 2.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

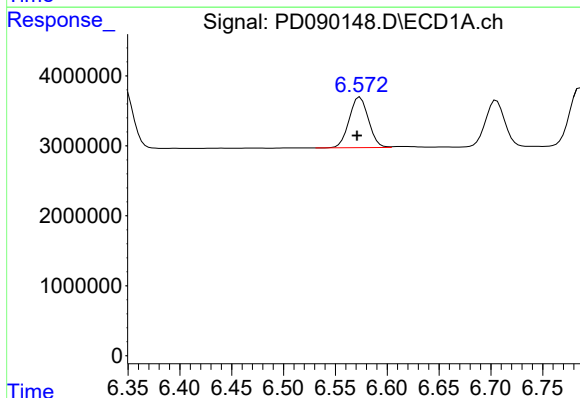
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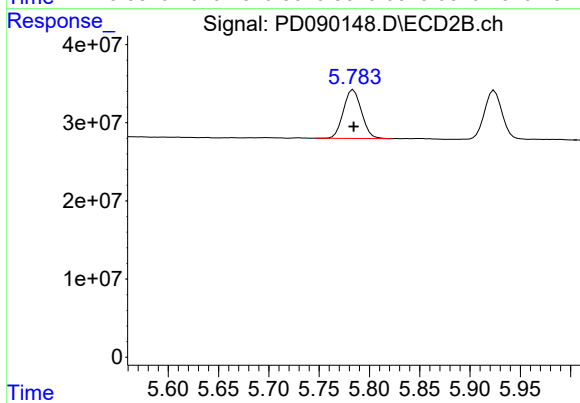
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 87644145
Conc: 2.99 ng/ml



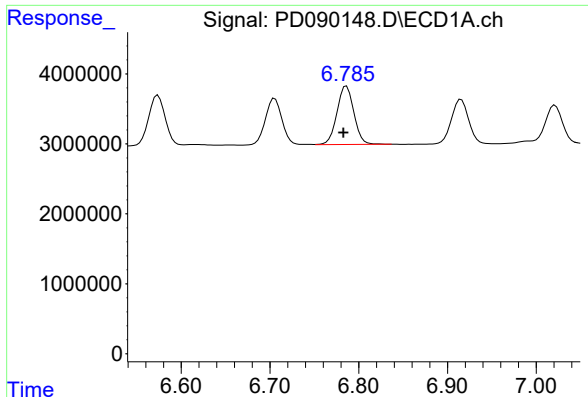
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.003 min
Response: 9310659
Conc: 2.25 ng/ml



#14 Endrin

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 78155990
Conc: 2.93 ng/ml



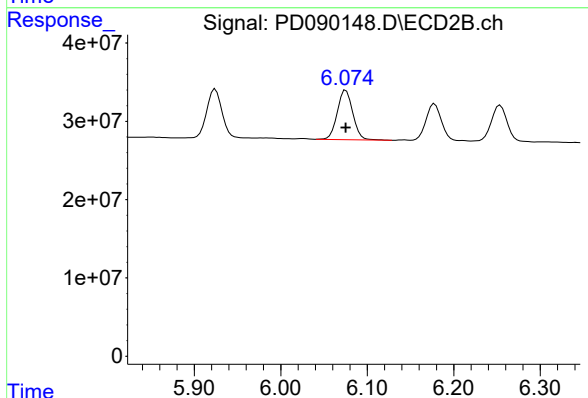
#15 Endosulfan II

R.T.: 6.786 min
Delta R.T.: 0.003 min
Response: 11078538
Conc: 2.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

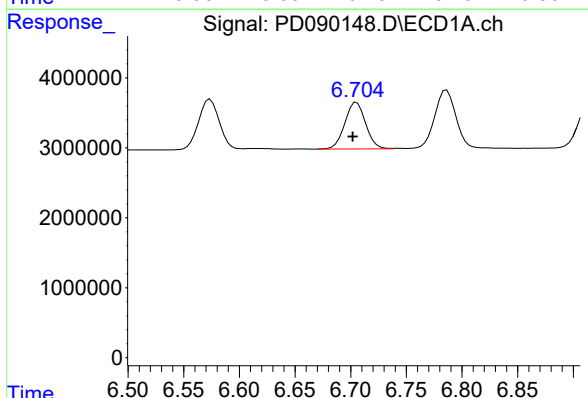
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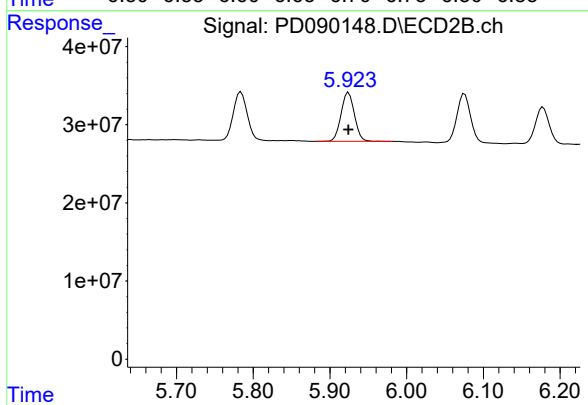
#15 Endosulfan II

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 78714260
Conc: 3.11 ng/ml



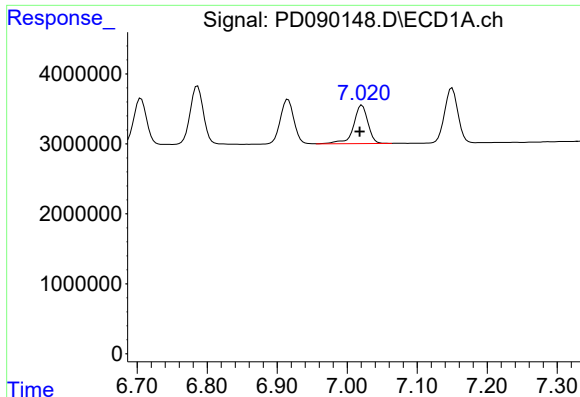
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.003 min
Response: 8661027
Conc: 2.50 ng/ml



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 75911295
Conc: 3.16 ng/ml



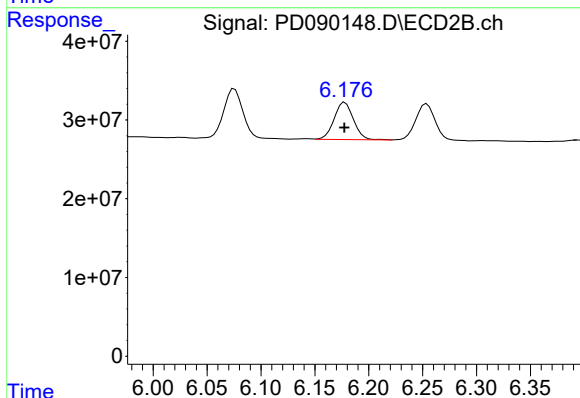
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.003 min
Response: 7851969
Conc: 2.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

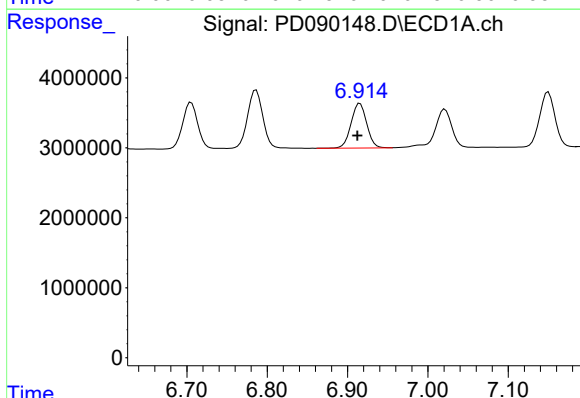
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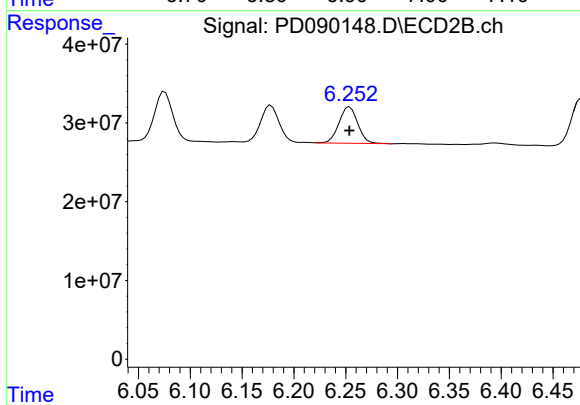
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 59367050
Conc: 2.37 ng/ml



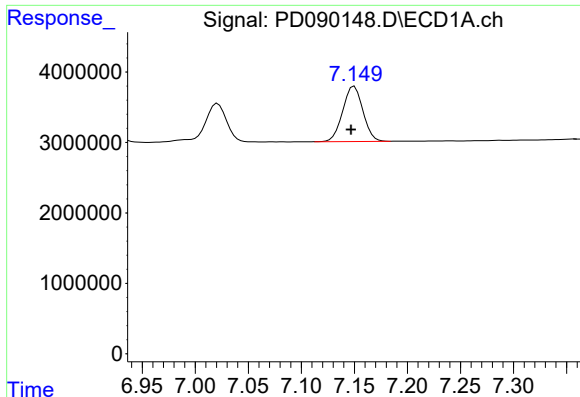
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.003 min
Response: 8615962
Conc: 3.01 ng/ml



#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: 0.000 min
Response: 58717386
Conc: 3.41 ng/ml



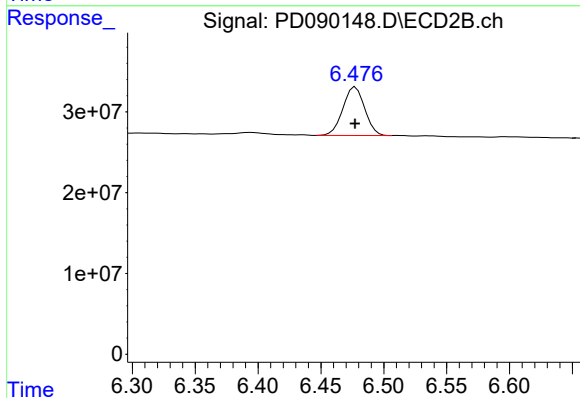
#19 Endosulfan Sulfate

R.T.: 7.150 min
Delta R.T.: 0.003 min
Response: 10380681
Conc: 2.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

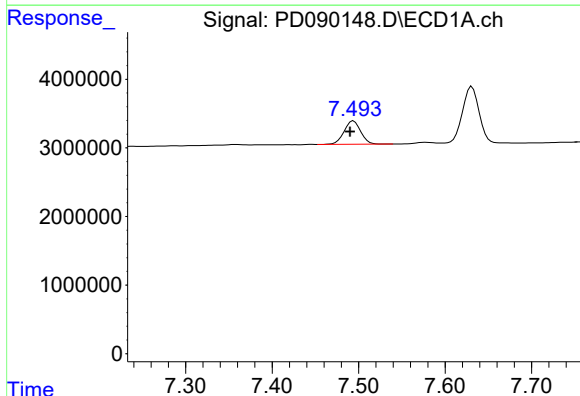
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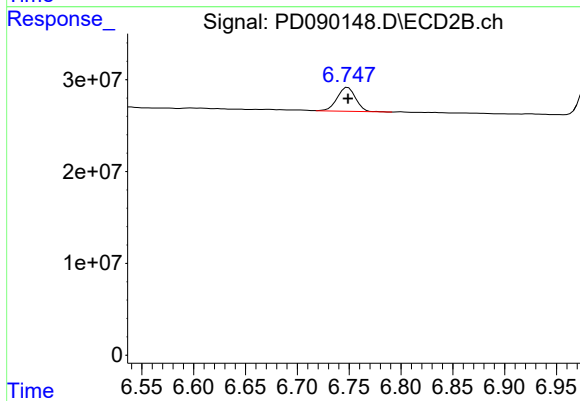
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 72472232
Conc: 2.97 ng/ml



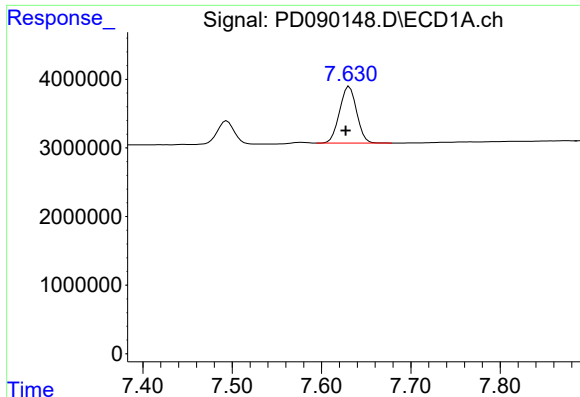
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: 0.004 min
Response: 4541738
Conc: 2.26 ng/ml



#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: 0.000 min
Response: 32283287
Conc: 2.50 ng/ml



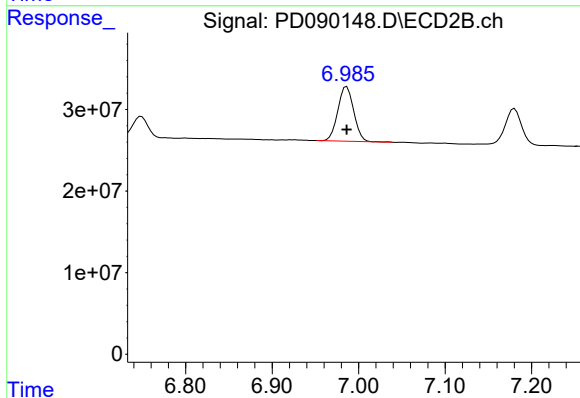
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.004 min
Response: 10956995
Conc: 2.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

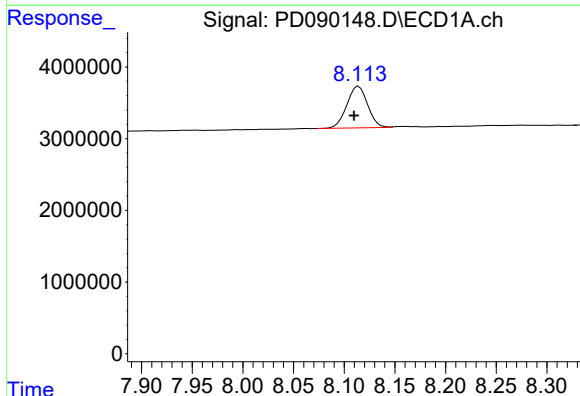
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/05/2025
Supervised By :mohammad ahmed 09/09/2025



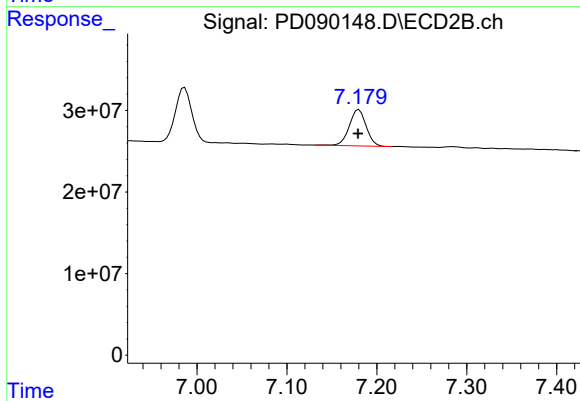
#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: 0.000 min
Response: 84656581
Conc: 3.18 ng/ml



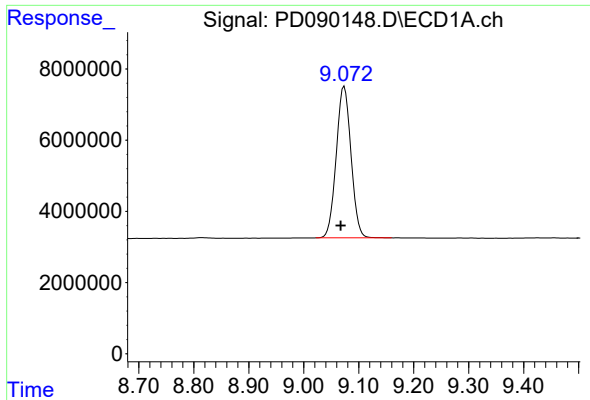
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.005 min
Response: 8293898
Conc: 2.63 ng/ml



#22 Mirex

R.T.: 7.180 min
Delta R.T.: 0.001 min
Response: 58107611
Conc: 2.81 ng/ml



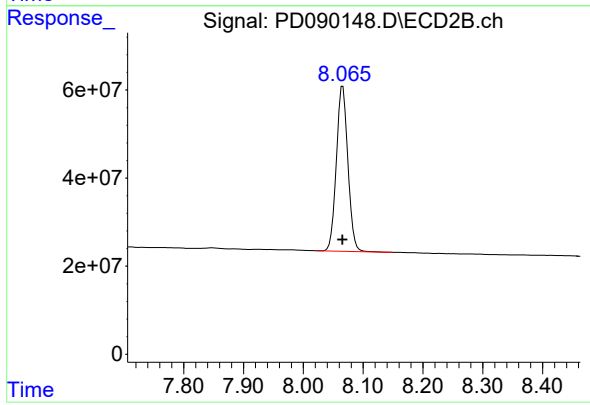
#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.007 min
Response: 79536066
Conc: 18.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/05/2025
Supervised By :mohammad ahmed 09/09/2025



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 502861768
Conc: 19.43 ng/ml