

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091625\
 Data File : PD090287.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Sep 2025 10:41
 Operator : AR\AJ
 Sample : Q2893-03
 Misc : PEST MDL 1PPB
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/17/2025
 Supervised By :mohammad ahmed 09/18/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 17 02:46:30 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...	3.554	2.875	50465497	446.5E6	17.195	20.247m
28)	SA Decachlor...	9.074	8.066	87827427	573.7E6	20.350m	22.162
Target Compounds							
2)	A alpha-BHC	4.003	3.387	6303915	46448645	1.050	1.369m#
3)	MA gamma-BHC...	4.333	3.725	5451681	38714652	0.952m	1.242 #
4)	MA Heptachlor	4.931	4.078	5733254	41910322	1.022m	1.344 #
5)	MB Aldrin	5.272	4.362	5685481	37814896	1.050m	1.242m
6)	B beta-BHC	4.521	4.020	2588777	19220106	1.154	1.442m
7)	B delta-BHC	4.769	4.257	6404121	44062503	1.237m	1.397
8)	B Heptachlo...	5.692	4.866	6019522	38791199	1.227m	1.401m
9)	A Endosulfan I	6.077	5.240	5172081	35087540	1.121	1.338m
10)	B gamma-Chl...	5.949	5.118	5570413	39435816	1.139	1.332m
11)	B alpha-Chl...	6.030	5.184	5462035	38895465	1.110	1.363m
12)	B 4,4'-DDE	6.199	5.368	4684524	37172098	1.068	1.290m
13)	MA Dieldrin	6.348	5.507	5299649	38254561	1.082m	1.306
14)	MA Endrin	6.576	5.783	4369359	40035923	1.054m	1.503m#
15)	B Endosulfa...	6.788	6.076	4907869	37267956	1.163m	1.473 #
16)	A 4,4'-DDD	6.709	5.923	4323851	34329891	1.250	1.428m
17)	MA 4,4'-DDT	7.023	6.177	3532126	29326819	0.927m	1.170m#
18)	B Endrin al...	6.919	6.253	3740237	26203837	1.305	1.522m
19)	B Endosulfa...	7.152	6.478	4504377	35392855	1.150m	1.452 #
20)	A Methoxychlor	7.497	6.749	2576965	19584841	1.285	1.519
21)	B Endrin ke...	7.634	6.986	4856286	33049496	1.172	1.240
22)	Mirex	8.116	7.180	3862360	27210554	1.224	1.317

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

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Data File : PD090287.D
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Acq On : 16 Sep 2025 10:41
Operator : AR\AJ
Sample : Q2893-03
Misc : PEST MDL 1PPB
ALS Vial : 5 Sample Multiplier: 1

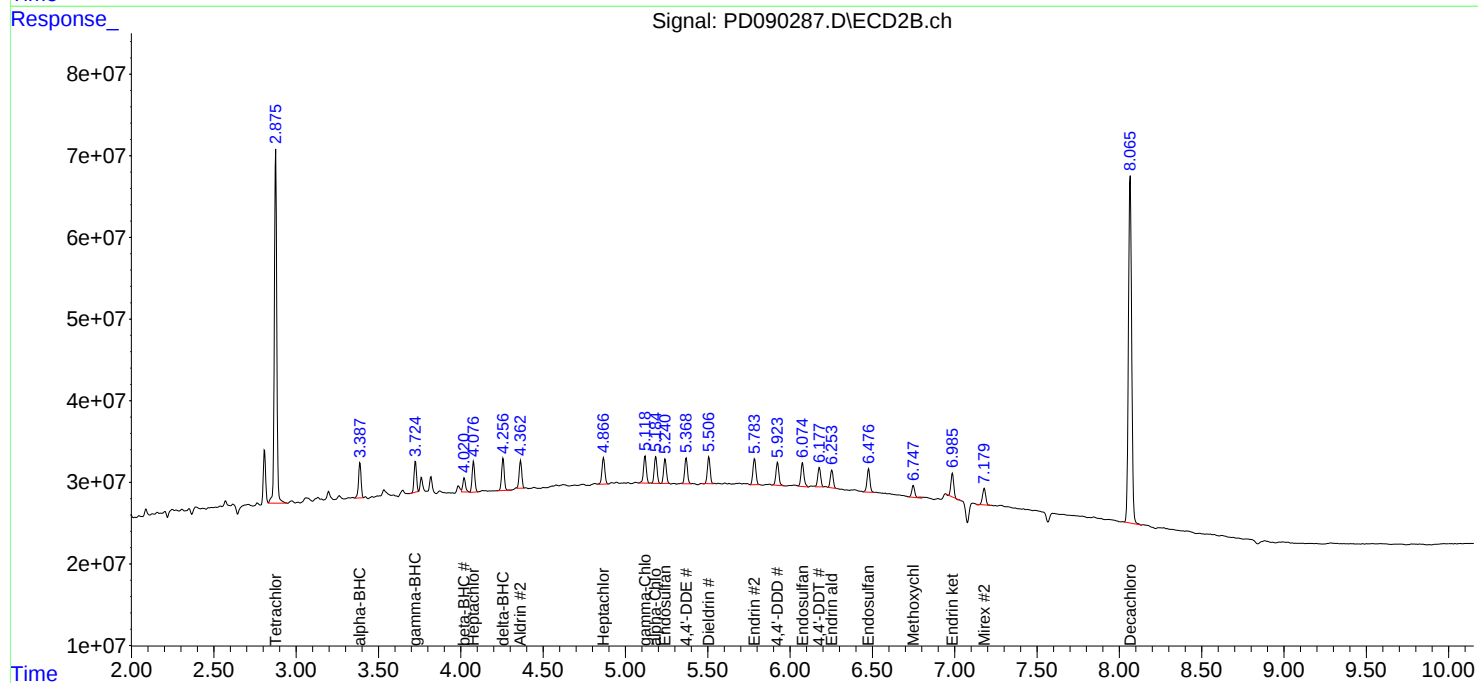
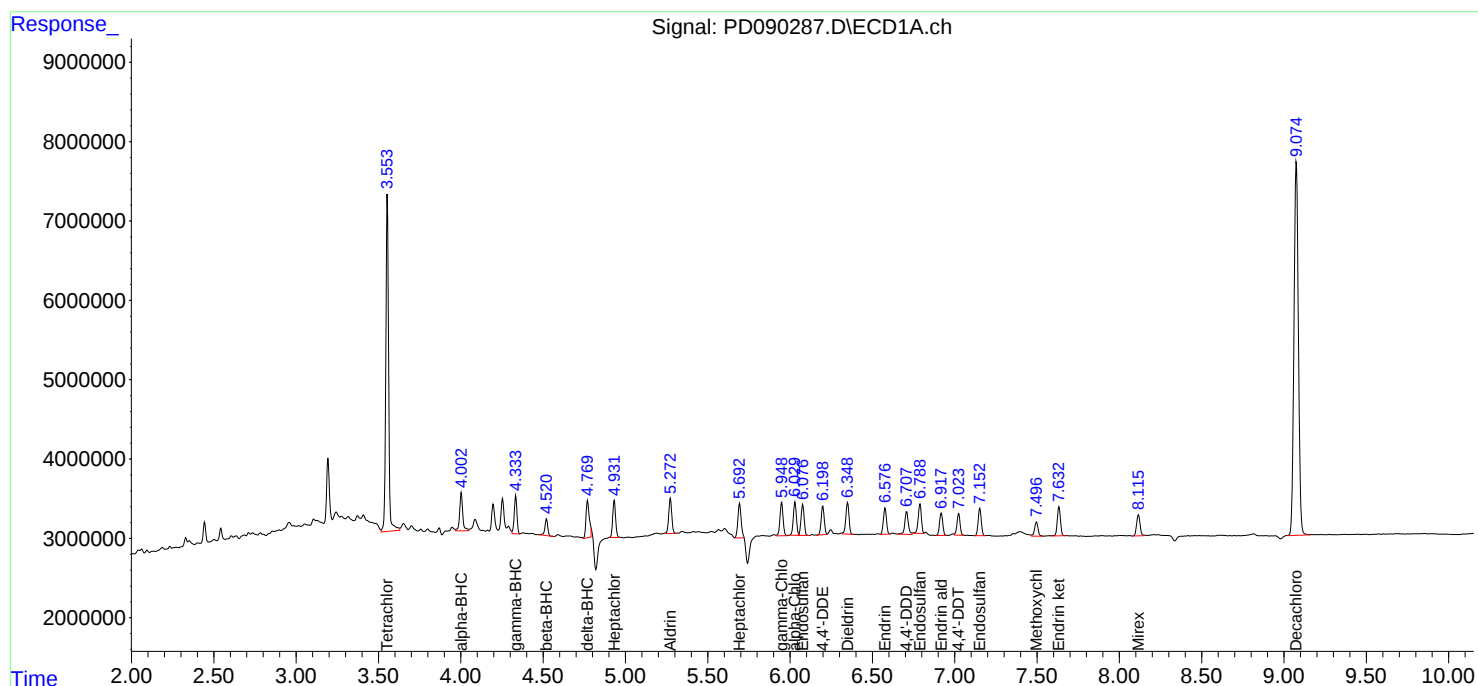
Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT3-2025

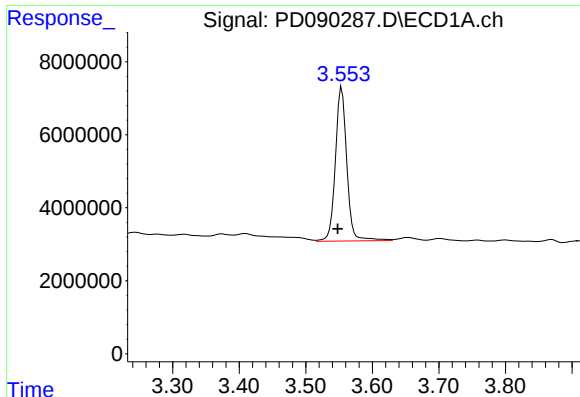
Manual Integrations
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Supervised By :mohammad ahmed 09/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 17 02:46:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
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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





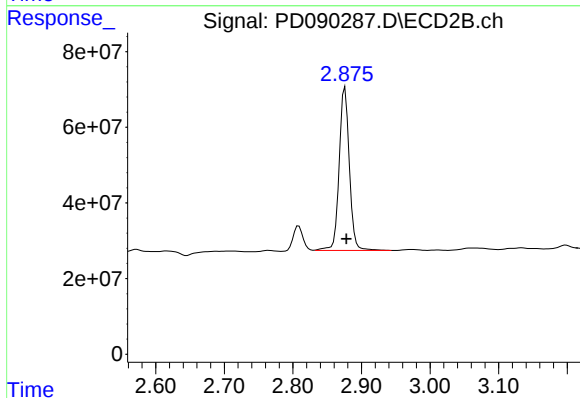
#1 Tetrachloro-m-xylene

R.T.: 3.554 min
Delta R.T.: 0.006 min
Response: 50465497
Conc: 17.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT3-2025

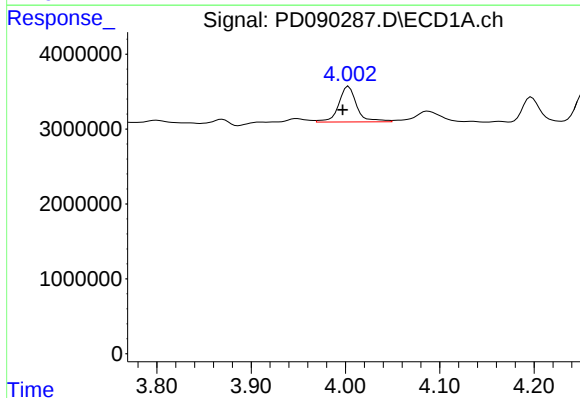
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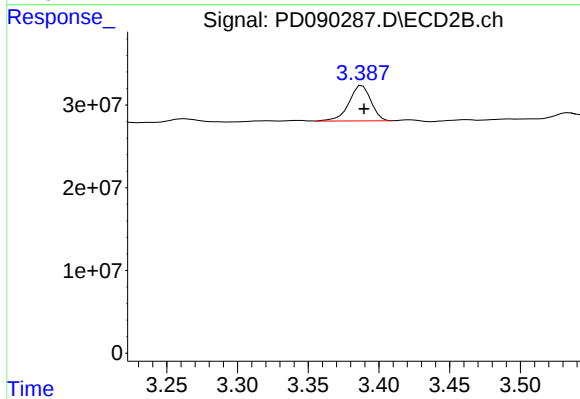
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: -0.003 min
Response: 446453922
Conc: 20.25 ng/ml m



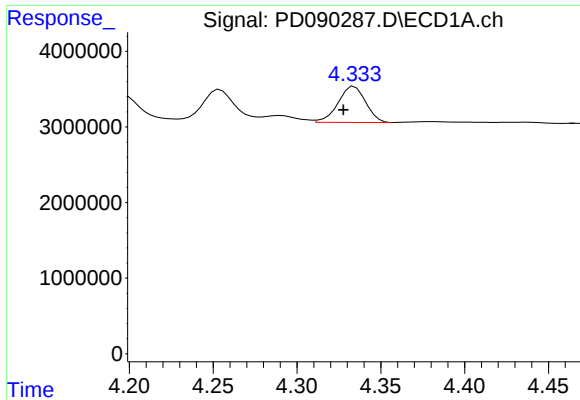
#2 alpha-BHC

R.T.: 4.003 min
Delta R.T.: 0.006 min
Response: 6303915
Conc: 1.05 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.003 min
Response: 46448645
Conc: 1.37 ng/ml m



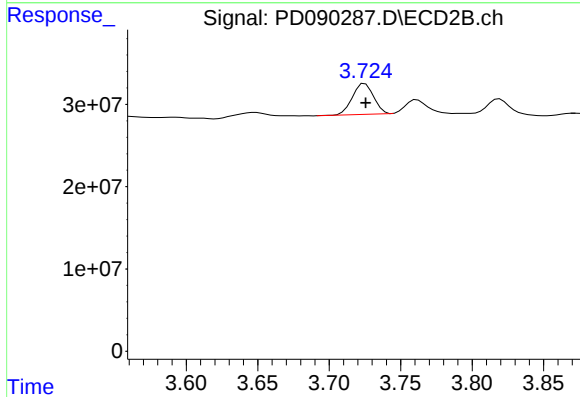
#3 gamma-BHC (Lindane)

R.T.: 4.333 min
Delta R.T.: 0.005 min
Response: 5451681
Conc: 0.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT3-2025

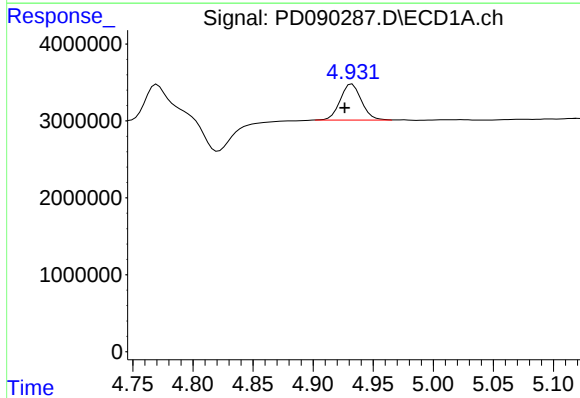
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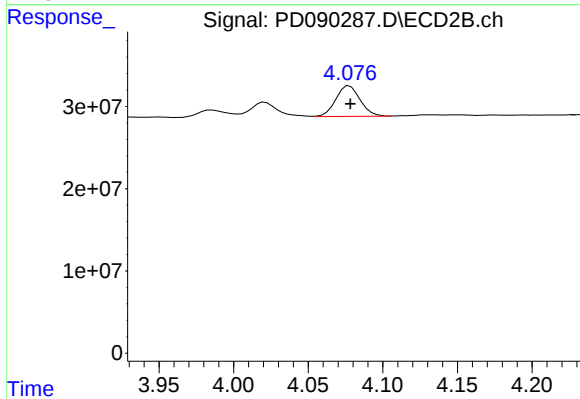
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 38714652
Conc: 1.24 ng/ml



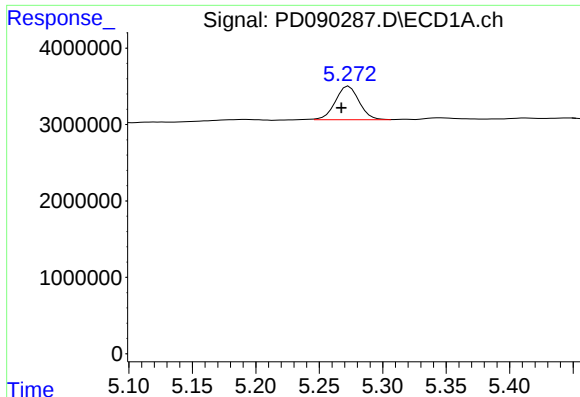
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.005 min
Response: 5733254
Conc: 1.02 ng/ml m



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.000 min
Response: 41910322
Conc: 1.34 ng/ml



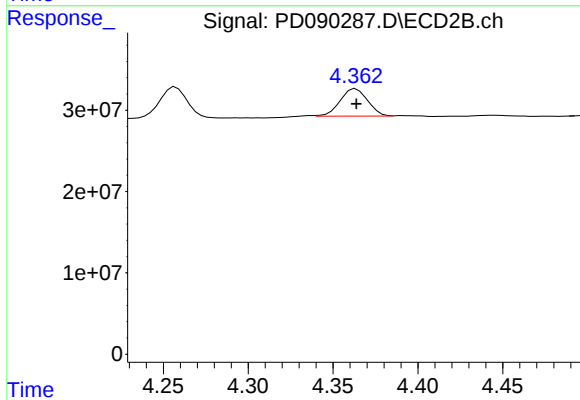
#5 Aldrin

R.T.: 5.272 min
Delta R.T.: 0.004 min
Response: 5685481
Conc: 1.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT3-2025

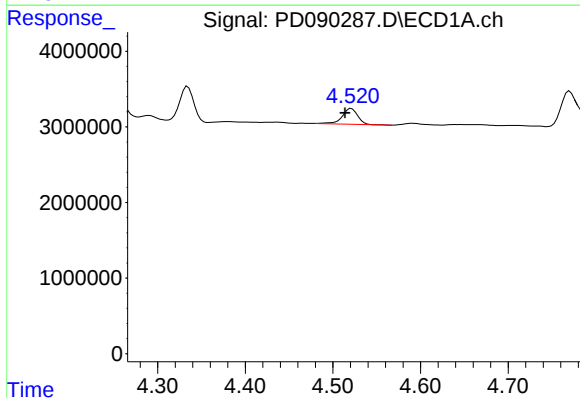
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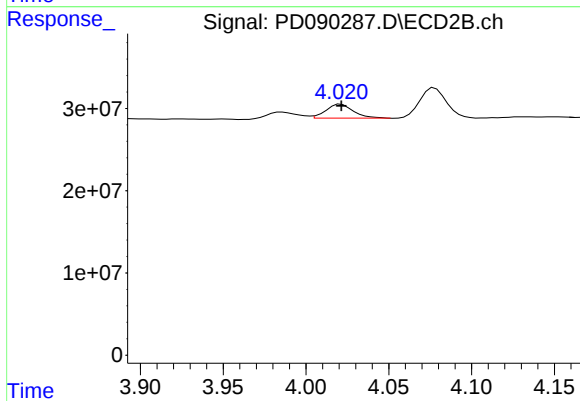
#5 Aldrin

R.T.: 4.362 min
Delta R.T.: -0.002 min
Response: 37814896
Conc: 1.24 ng/ml m



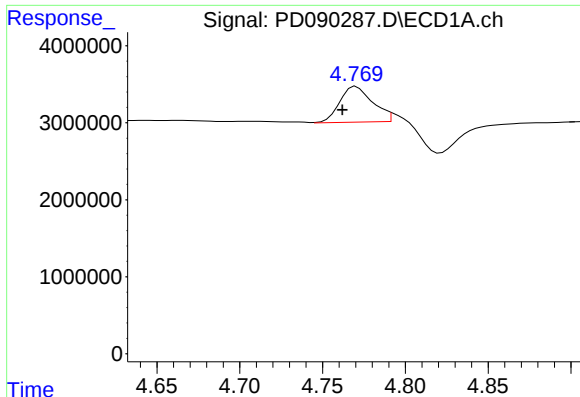
#6 beta-BHC

R.T.: 4.521 min
Delta R.T.: 0.007 min
Response: 2588777
Conc: 1.15 ng/ml



#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: -0.002 min
Response: 19220106
Conc: 1.44 ng/ml m



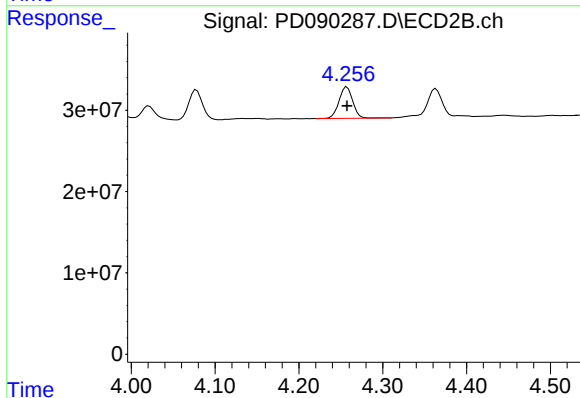
#7 delta-BHC

R.T.: 4.769 min
Delta R.T.: 0.007 min
Response: 6404121
Conc: 1.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT3-2025

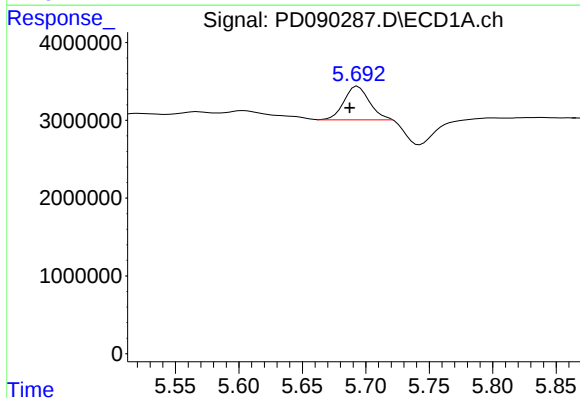
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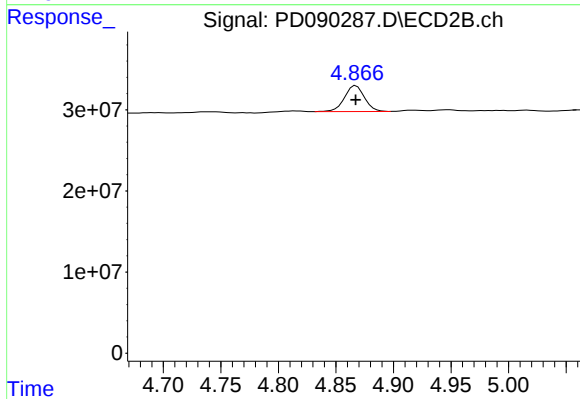
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: 0.000 min
Response: 44062503
Conc: 1.40 ng/ml



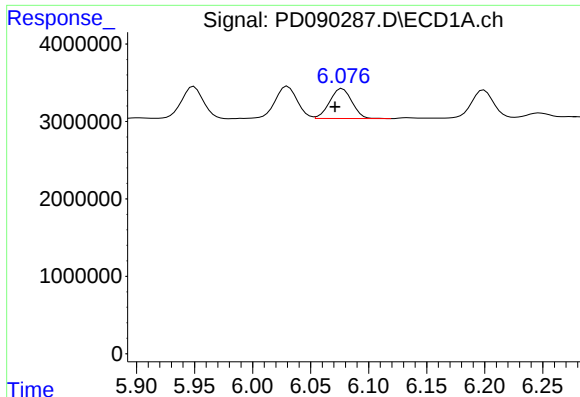
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.005 min
Response: 6019522
Conc: 1.23 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.866 min
Delta R.T.: -0.001 min
Response: 38791199
Conc: 1.40 ng/ml m



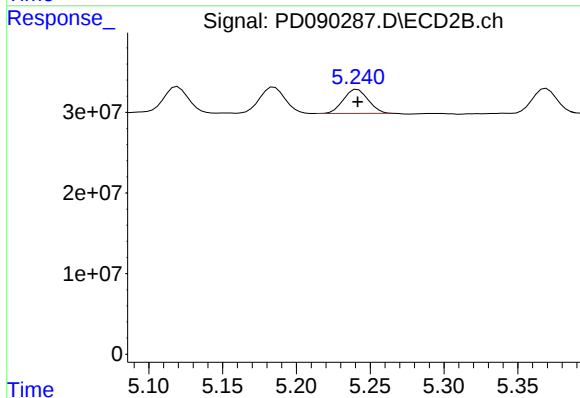
#9 Endosulfan I

R.T.: 6.077 min
Delta R.T.: 0.006 min
Response: 5172081
Conc: 1.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT3-2025

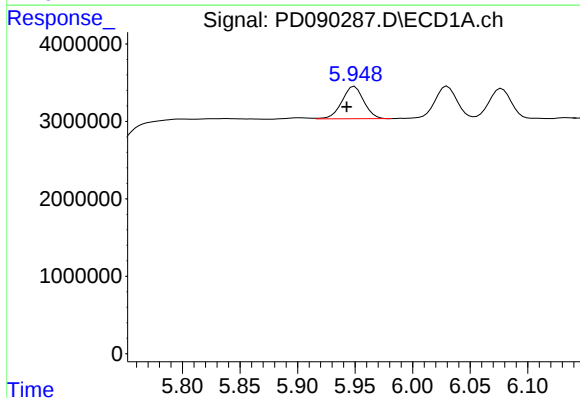
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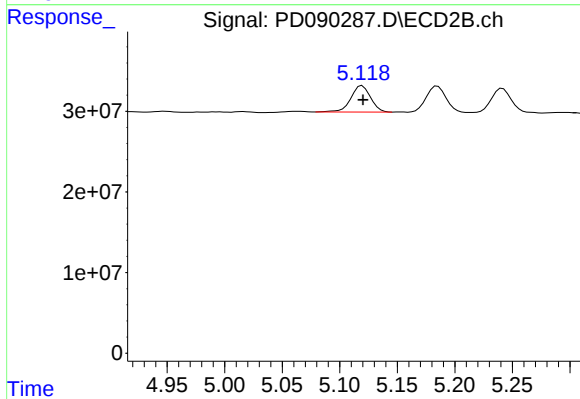
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: -0.002 min
Response: 35087540
Conc: 1.34 ng/ml m



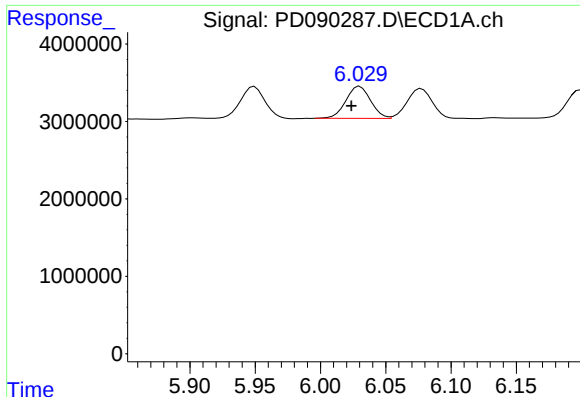
#10 gamma-Chlordane

R.T.: 5.949 min
Delta R.T.: 0.007 min
Response: 5570413
Conc: 1.14 ng/ml



#10 gamma-Chlordane

R.T.: 5.118 min
Delta R.T.: -0.002 min
Response: 39435816
Conc: 1.33 ng/ml m



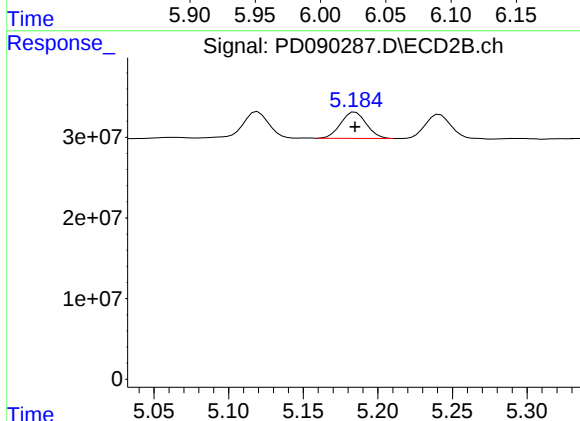
#11 alpha-Chlordane

R.T.: 6.030 min
Delta R.T.: 0.007 min
Response: 5462035
Conc: 1.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT3-2025

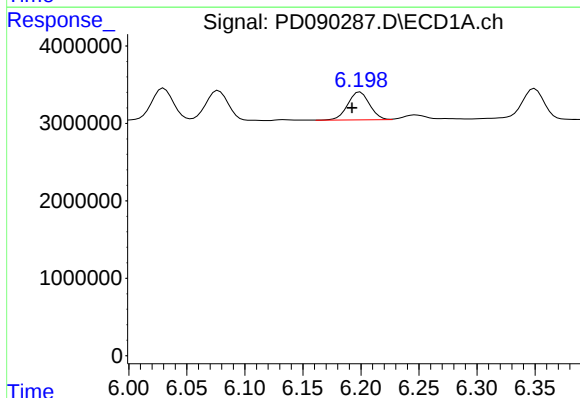
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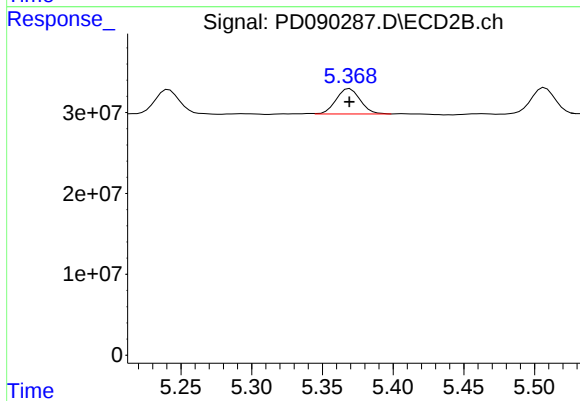
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.001 min
Response: 38895465
Conc: 1.36 ng/ml m



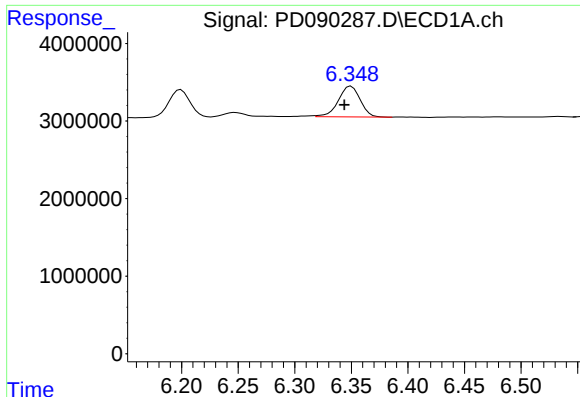
#12 4,4'-DDE

R.T.: 6.199 min
Delta R.T.: 0.007 min
Response: 4684524
Conc: 1.07 ng/ml



#12 4,4'-DDE

R.T.: 5.368 min
Delta R.T.: -0.001 min
Response: 37172098
Conc: 1.29 ng/ml m



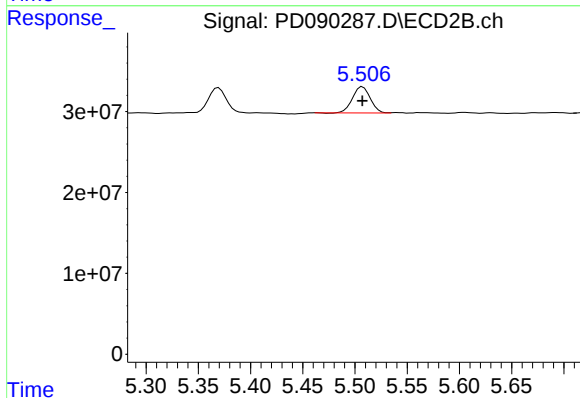
#13 Dieldrin

R.T.: 6.348 min
Delta R.T.: 0.005 min
Response: 5299649
Conc: 1.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT3-2025

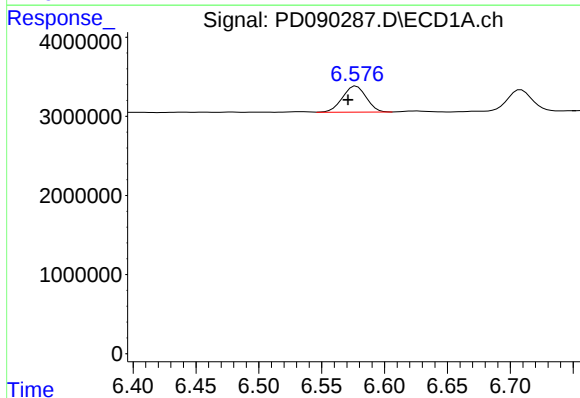
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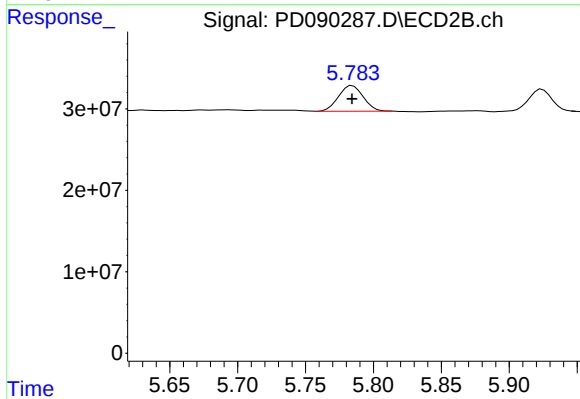
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 38254561
Conc: 1.31 ng/ml



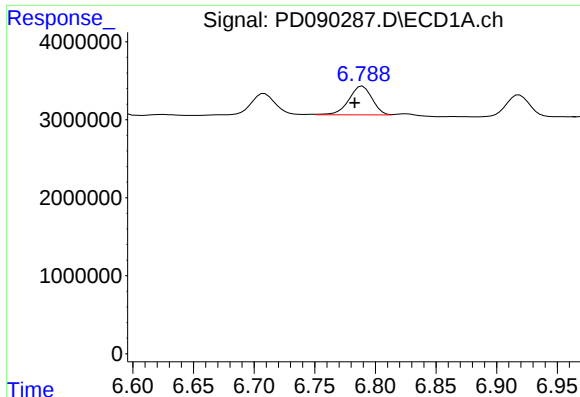
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.005 min
Response: 4369359
Conc: 1.05 ng/ml m



#14 Endrin

R.T.: 5.783 min
Delta R.T.: -0.001 min
Response: 40035923
Conc: 1.50 ng/ml m



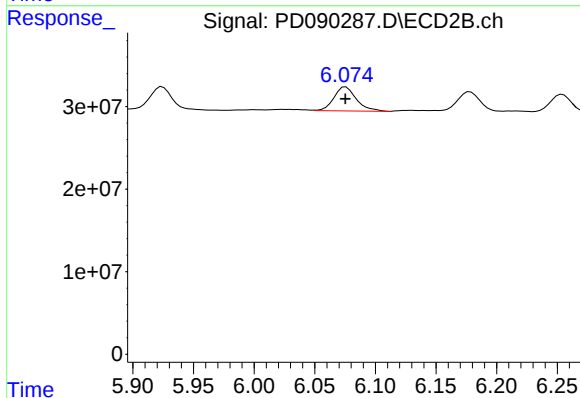
#15 Endosulfan II

R.T.: 6.788 min
Delta R.T.: 0.005 min
Response: 4907869
Conc: 1.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT3-2025

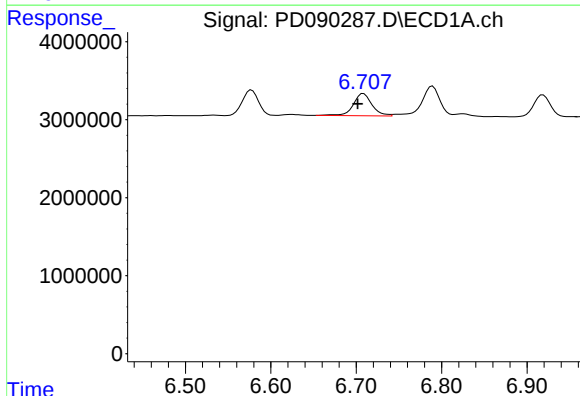
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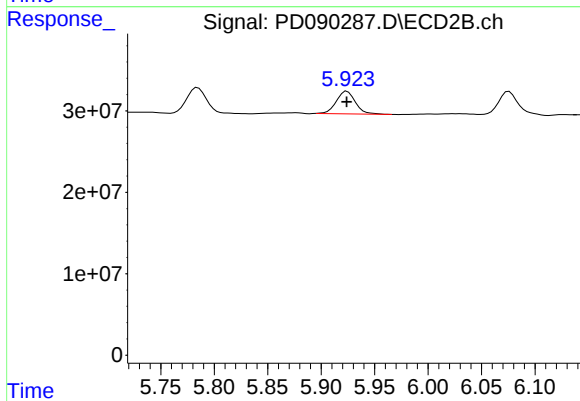
#15 Endosulfan II

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 37267956
Conc: 1.47 ng/ml



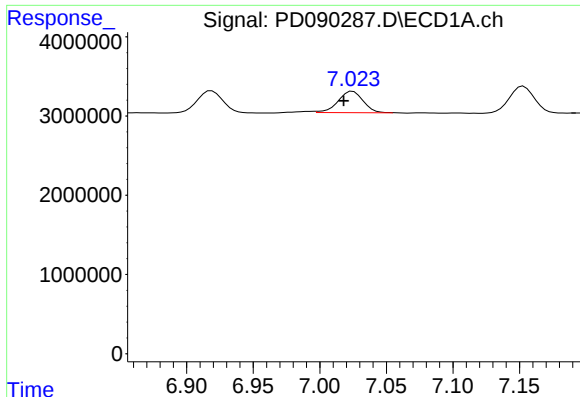
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.007 min
Response: 4323851
Conc: 1.25 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 34329891
Conc: 1.43 ng/ml m



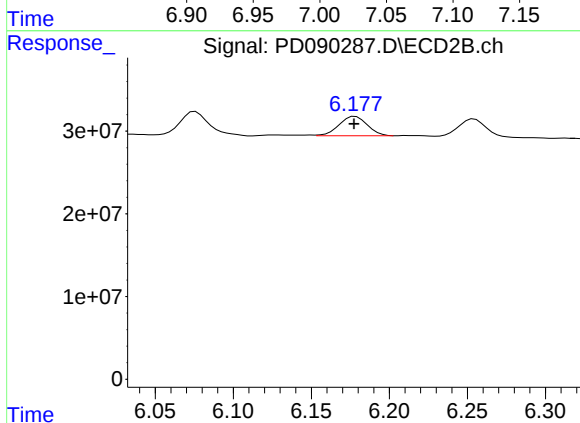
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.005 min
Response: 3532126
Conc: 0.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT3-2025

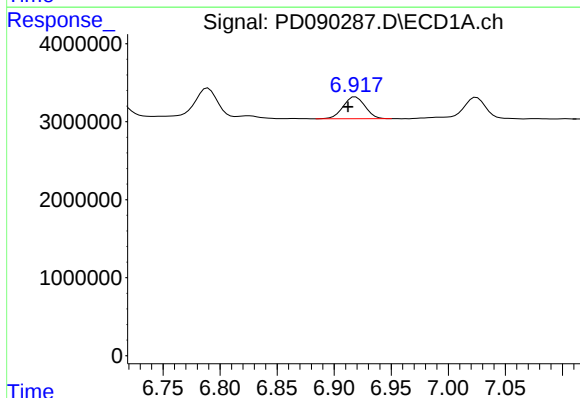
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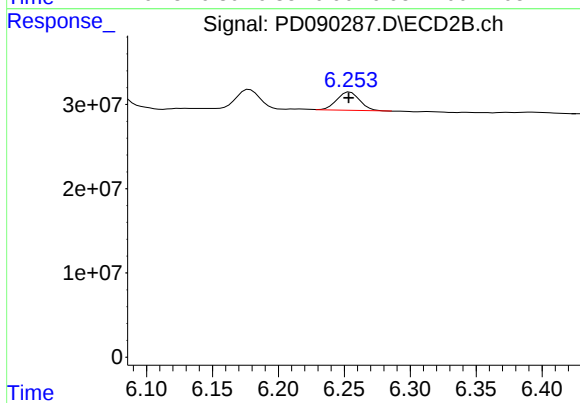
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.000 min
Response: 29326819
Conc: 1.17 ng/ml m



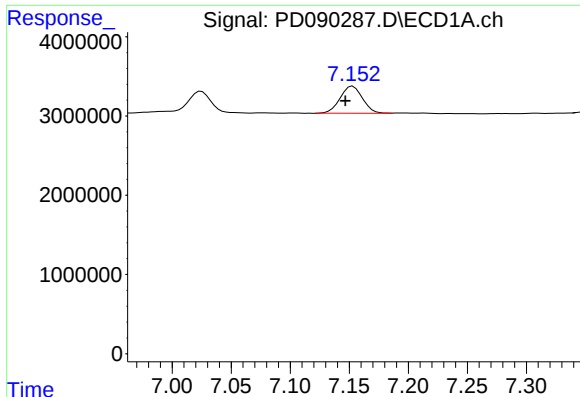
#18 Endrin aldehyde

R.T.: 6.919 min
Delta R.T.: 0.007 min
Response: 3740237
Conc: 1.30 ng/ml



#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: 0.000 min
Response: 26203837
Conc: 1.52 ng/ml m



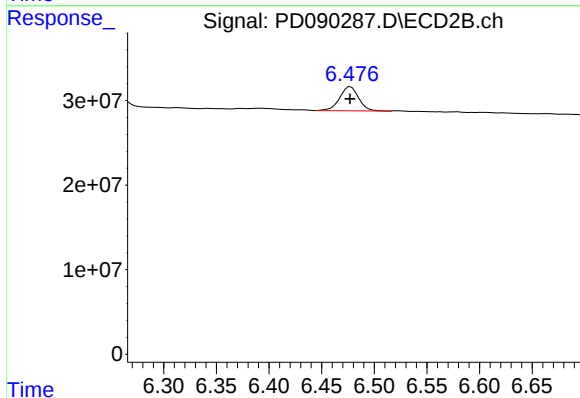
#19 Endosulfan Sulfate

R.T.: 7.152 min
Delta R.T.: 0.005 min
Response: 4504377
Conc: 1.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT3-2025

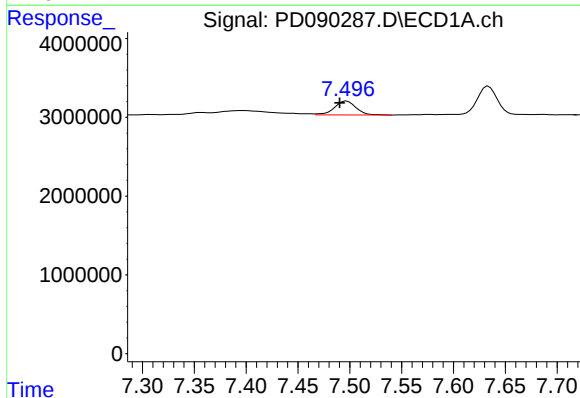
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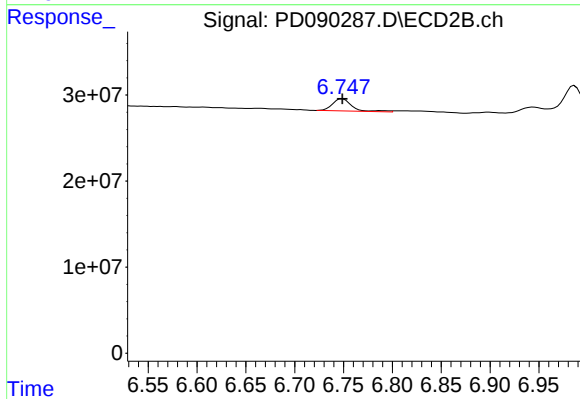
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 35392855
Conc: 1.45 ng/ml



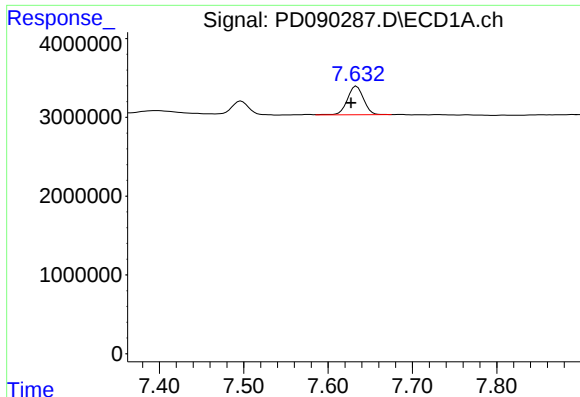
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: 0.007 min
Response: 2576965
Conc: 1.28 ng/ml



#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: 0.000 min
Response: 19584841
Conc: 1.52 ng/ml



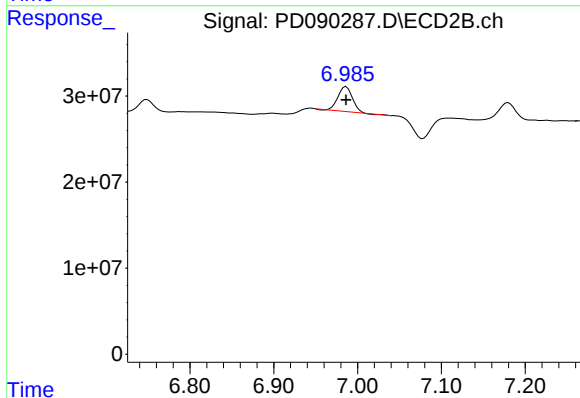
#21 Endrin ketone

R.T.: 7.634 min
Delta R.T.: 0.007 min
Response: 4856286
Conc: 1.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT3-2025

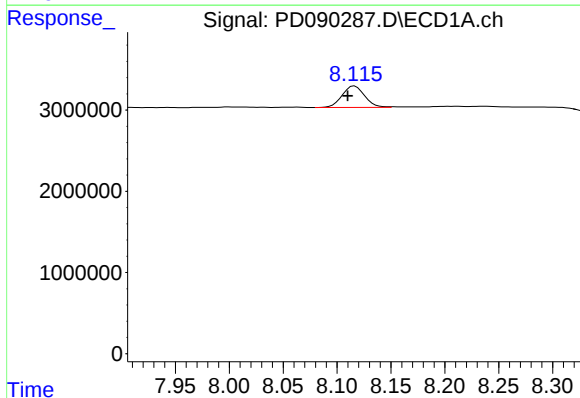
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/17/2025
Supervised By :mohammad ahmed 09/18/2025



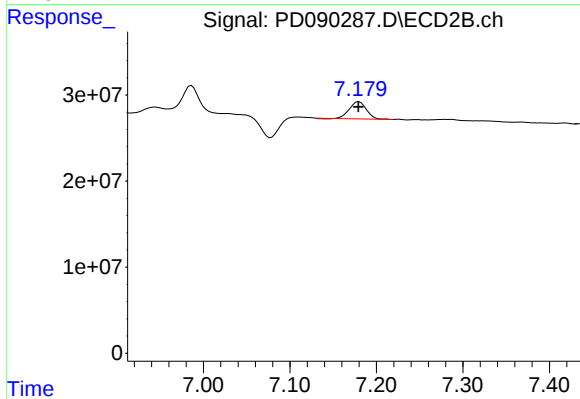
#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: 0.000 min
Response: 33049496
Conc: 1.24 ng/ml



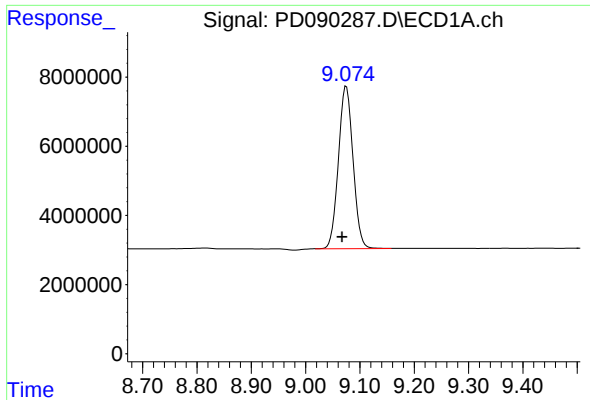
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.006 min
Response: 3862360
Conc: 1.22 ng/ml



#22 Mirex

R.T.: 7.180 min
Delta R.T.: 0.000 min
Response: 27210554
Conc: 1.32 ng/ml



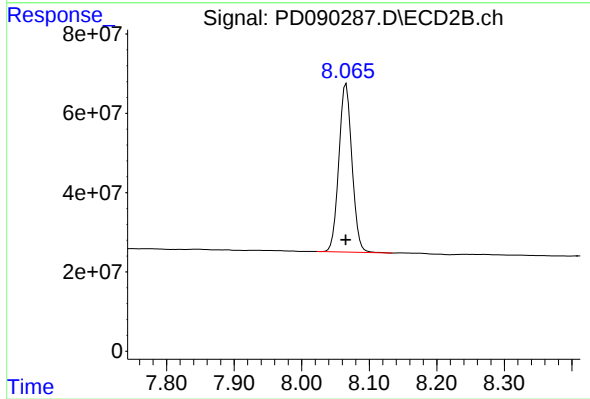
#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.007 min
Response: 87827427
Conc: 20.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT3-2025

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/17/2025
Supervised By :mohammad ahmed 09/18/2025



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 573687722
Conc: 22.16 ng/ml