

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090525\
 Data File : PD090177.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Sep 2025 18:45
 Operator : AR\AJ
 Sample : Q3023-04MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-2MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/08/2025
 Supervised By :mohammad ahmed 09/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 06 03:12:43 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...	3.549	2.877	51055635	420.8E6	17.396	19.085m
28)	SA Decachlor...	9.071	8.065	59210422	356.0E6	13.719	13.751
Target Compounds							
2)	A alpha-BHC	3.999	3.388	302.2E6	1725.8E6	50.355	50.849m
3)	MA gamma-BHC...	4.329	3.726	295.6E6	1599.1E6	51.622	51.301
4)	MA Heptachlor	4.927	4.078	273.9E6	1571.9E6	48.832	50.396
5)	MB Aldrin	5.269	4.364	271.3E6	1564.5E6	50.105	51.368
6)	B beta-BHC	4.516	4.022	114.0E6	695.9E6	50.822	52.207
7)	B delta-BHC	4.764	4.258	228.1E6	1324.2E6	44.051	41.972
8)	B Heptachlo...	5.688	4.867	244.2E6	1403.4E6	49.764	50.674
9)	A Endosulfan I	6.072	5.242	227.2E6	1270.8E6	49.226	48.462
10)	B gamma-Chl...	5.944	5.119	245.4E6	1572.6E6	50.175	53.109m
11)	B alpha-Chl...	6.025	5.185	247.8E6	1472.5E6	50.343	51.597
12)	B 4,4'-DDE	6.194	5.369	240.0E6	1584.8E6	54.684	54.985
13)	MA Dieldrin	6.345	5.507	249.3E6	1572.6E6	50.914	53.695
14)	MA Endrin	6.572	5.782	196.3E6	1309.2E6	47.379	49.159m
15)	B Endosulfa...	6.785	6.074	184.5E6	1276.6E6	43.735	50.469m
16)	A 4,4'-DDD	6.702	5.924	177.9E6	1152.7E6	51.440m	47.942
17)	MA 4,4'-DDT	7.019	6.177	209.1E6	1423.9E6	54.876	56.797
18)	B Endrin al...	6.914	6.253	147.4E6	941.8E6	51.404	54.692
19)	B Endosulfa...	7.148	6.476	176.4E6	1229.9E6	45.018	50.449
20)	A Methoxychlor	7.492	6.747	78534753	735.7E6	39.157	57.052 #
21)	B Endrin ke...	7.628	6.985	210.5E6	1234.6E6	50.793	46.336
22)	Mirex	8.110	7.179	134.9E6	882.8E6	42.771m	42.741

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090525\
Data File : PD090177.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Sep 2025 18:45
Operator : AR\AJ
Sample : Q3023-04MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

TP-2MSD

Manual Integrations

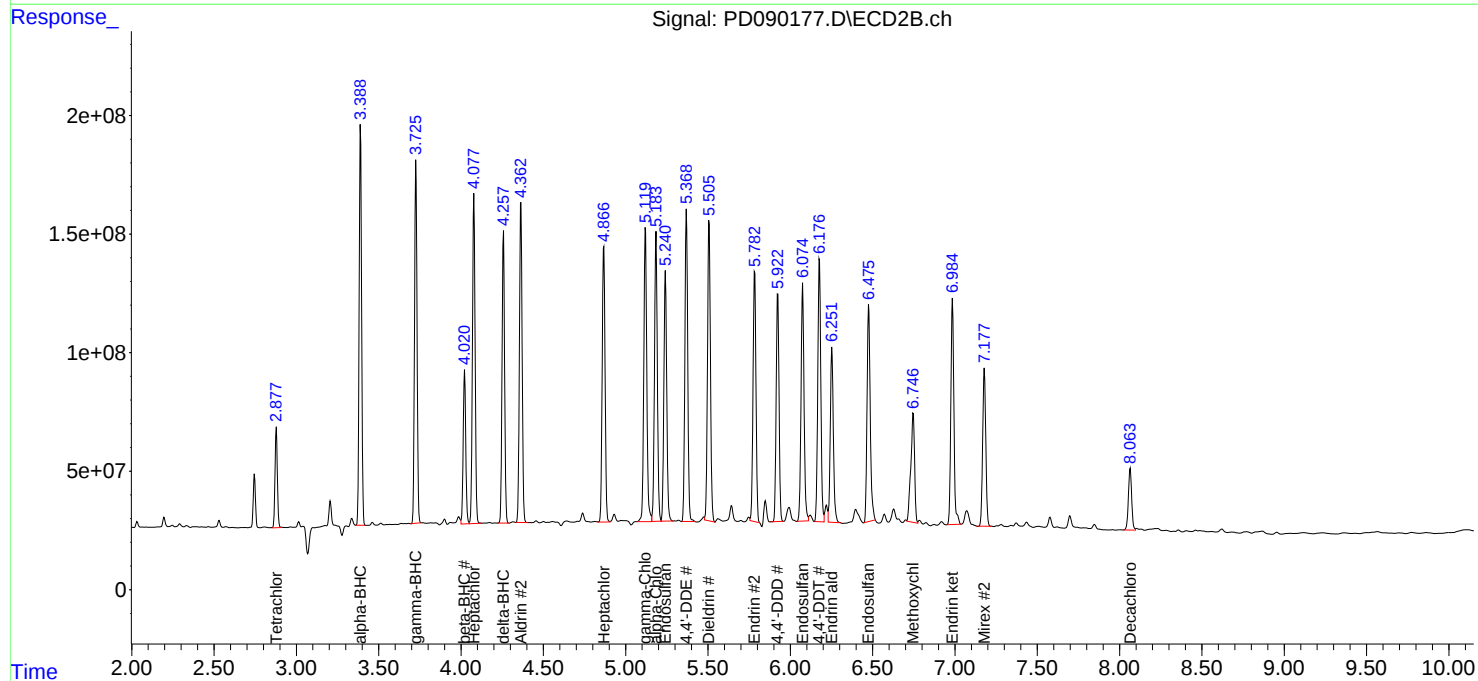
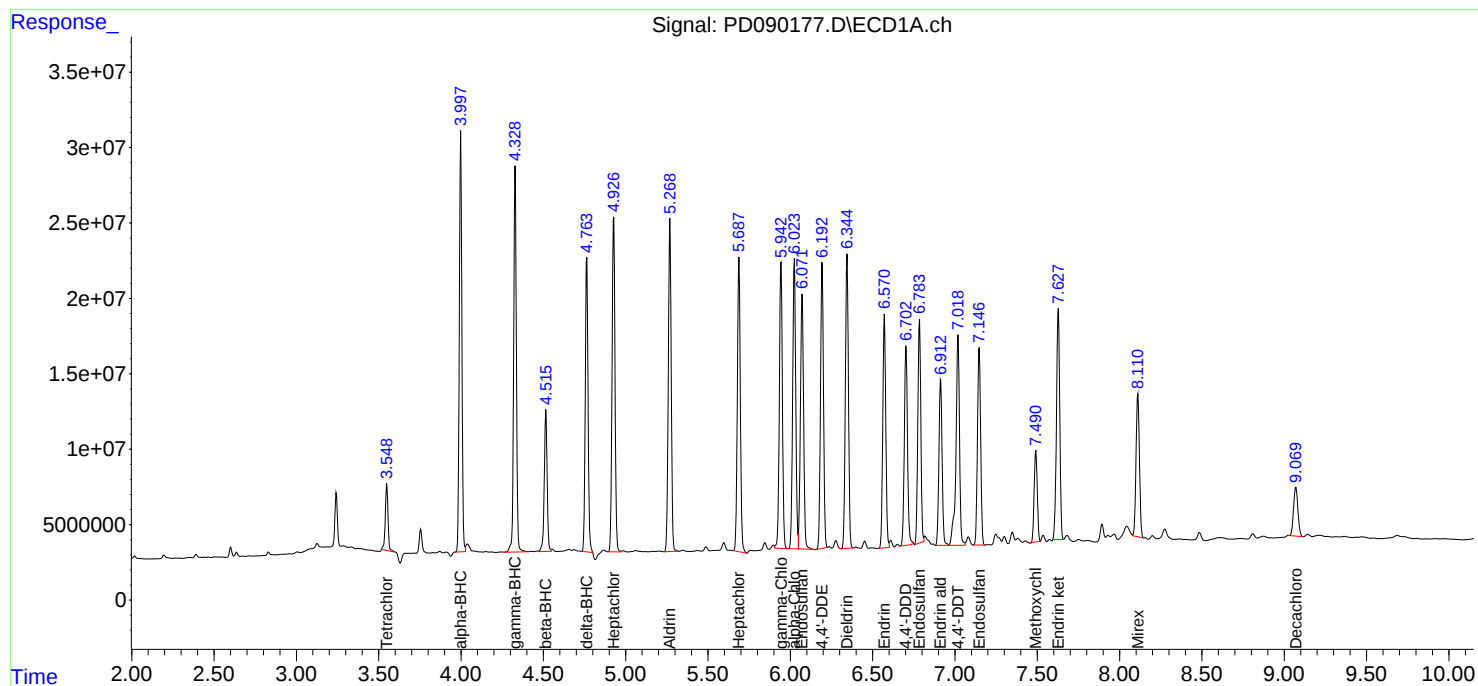
APPROVED

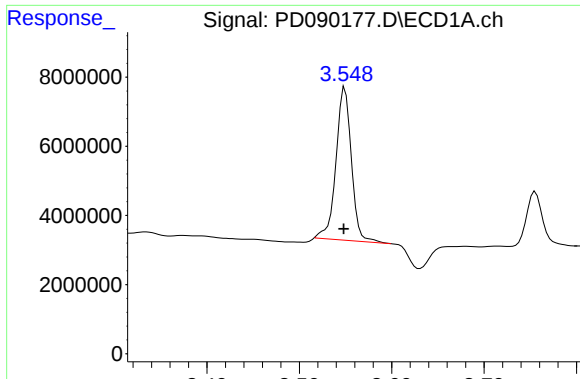
Reviewed By :Abdul Mirza 09/08/2025

Supervised By :mohammad ahmed 09/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 06 03:12:43 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





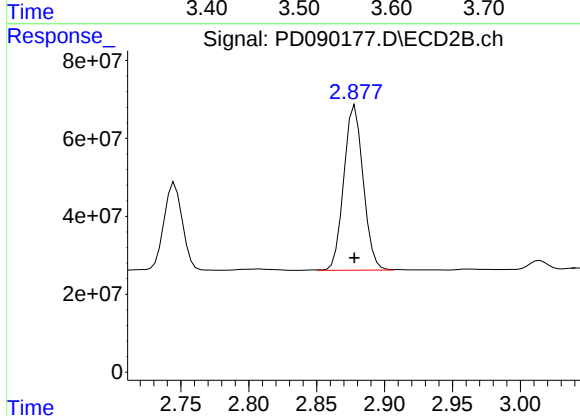
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.001 min
Response: 51055635
Conc: 17.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-2MSD

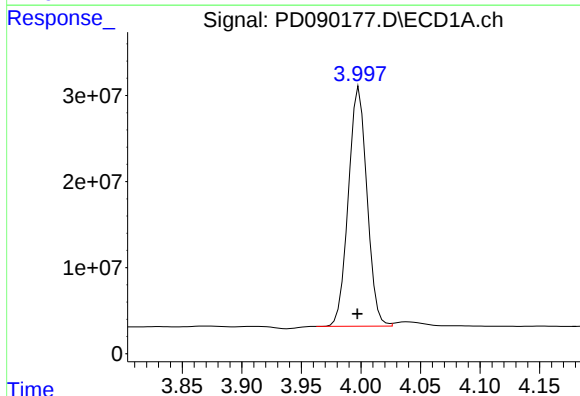
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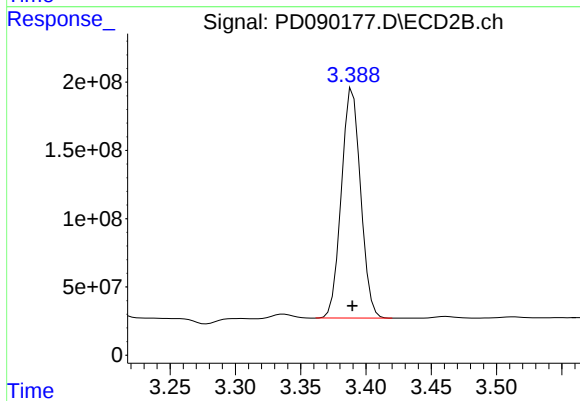
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 420824000
Conc: 19.08 ng/ml m



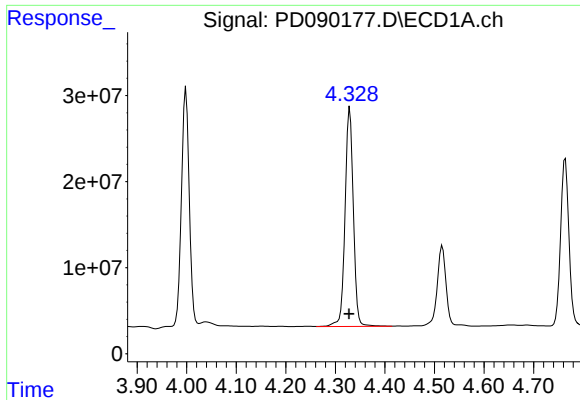
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.002 min
Response: 302239303
Conc: 50.35 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: -0.001 min
Response: 1725759724
Conc: 50.85 ng/ml m



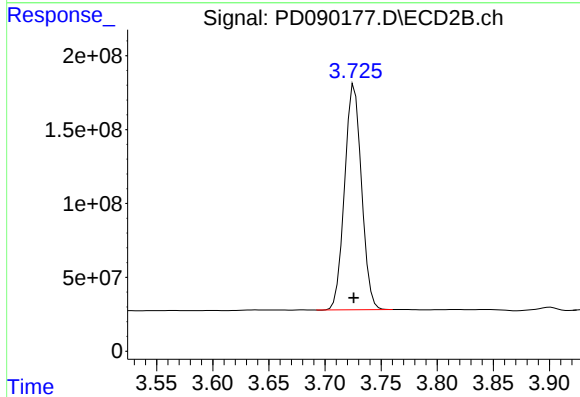
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.002 min
Response: 295632547
Conc: 51.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-2MSD

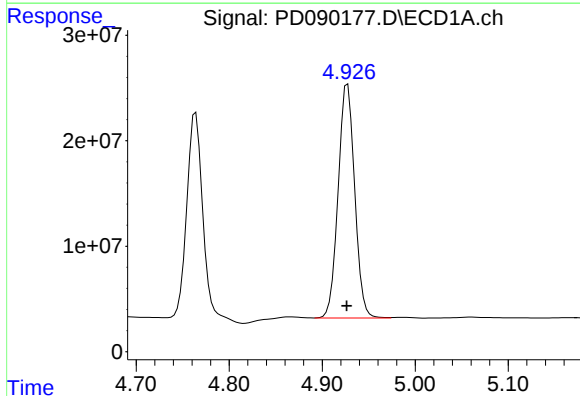
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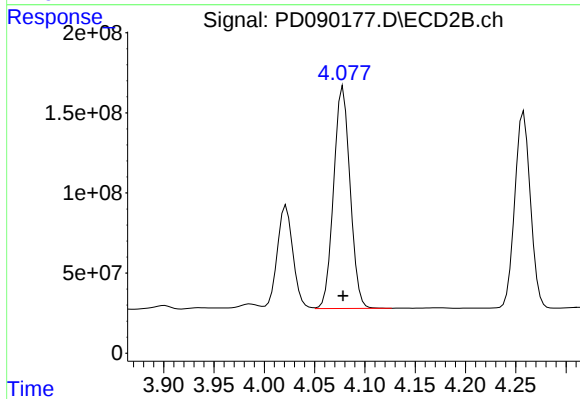
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1599075421
Conc: 51.30 ng/ml



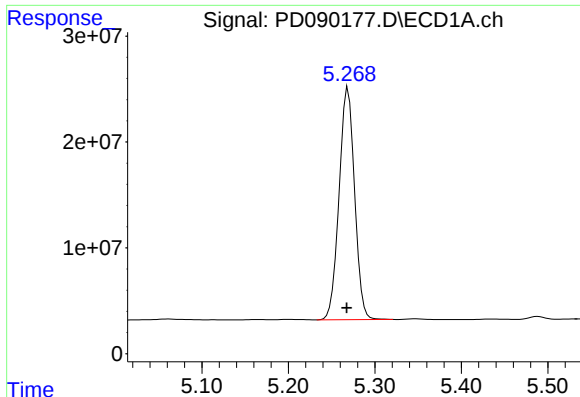
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.001 min
Response: 273907204
Conc: 48.83 ng/ml



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.000 min
Response: 1571922077
Conc: 50.40 ng/ml



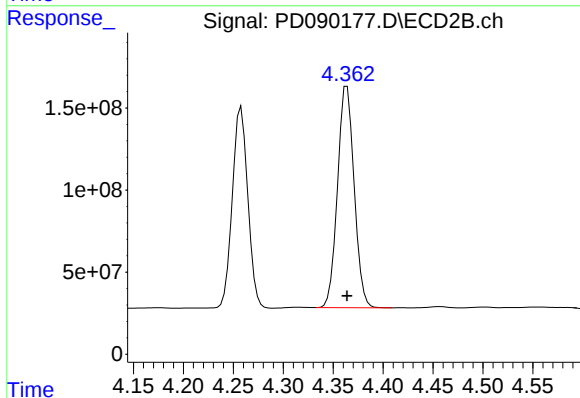
#5 Aldrin

R.T.: 5.269 min
Delta R.T.: 0.002 min
Response: 271295781
Conc: 50.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-2MSD

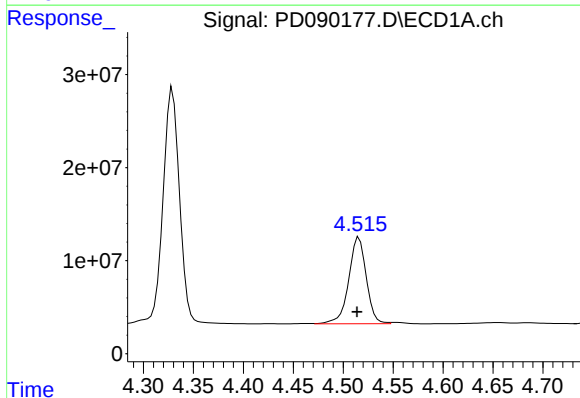
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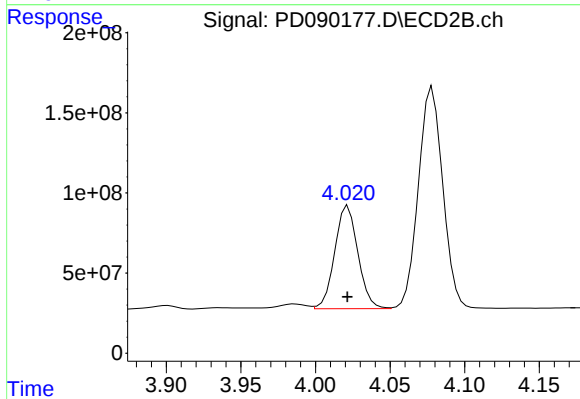
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 1564453072
Conc: 51.37 ng/ml



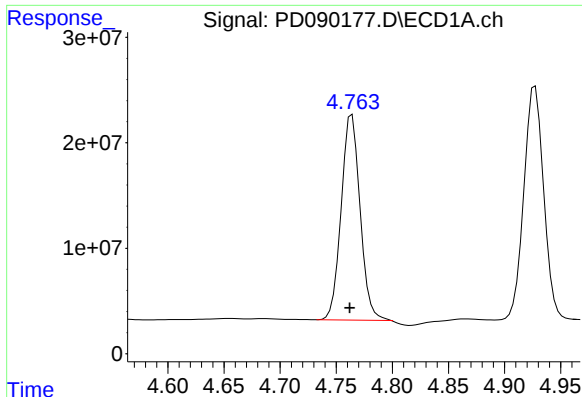
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.002 min
Response: 113995751
Conc: 50.82 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 695929913
Conc: 52.21 ng/ml



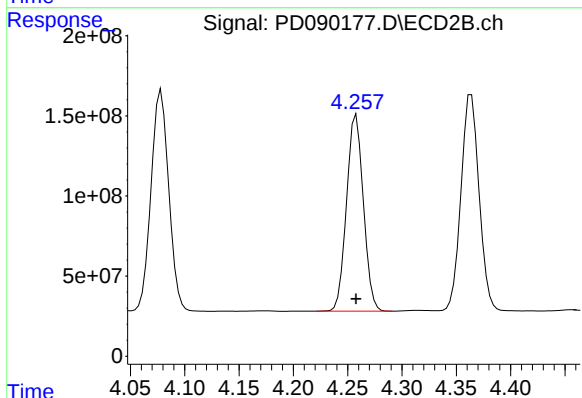
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.002 min
Response: 228081395
Conc: 44.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-2MSD

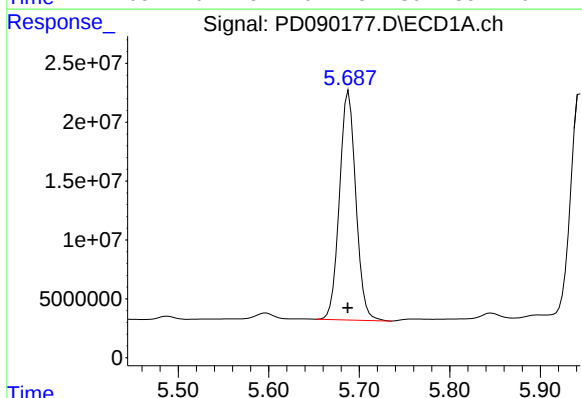
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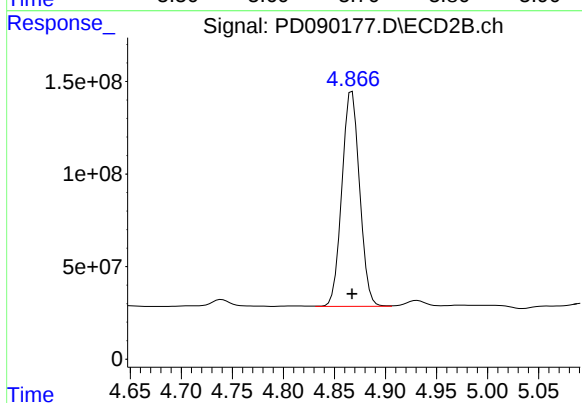
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1324211872
Conc: 41.97 ng/ml



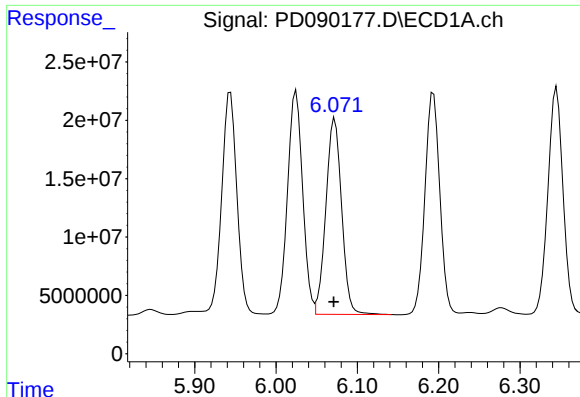
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 244180047
Conc: 49.76 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 1403409265
Conc: 50.67 ng/ml



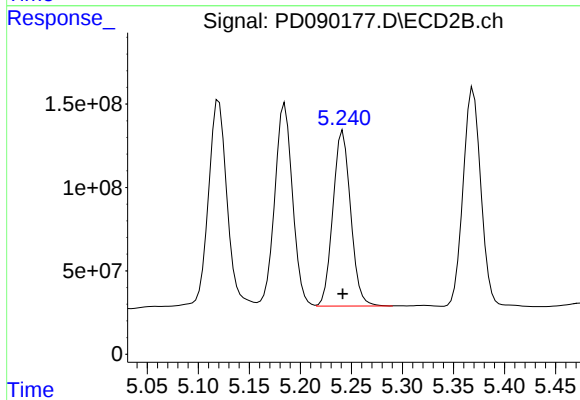
#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: 0.001 min
Response: 227171861
Conc: 49.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-2MSD

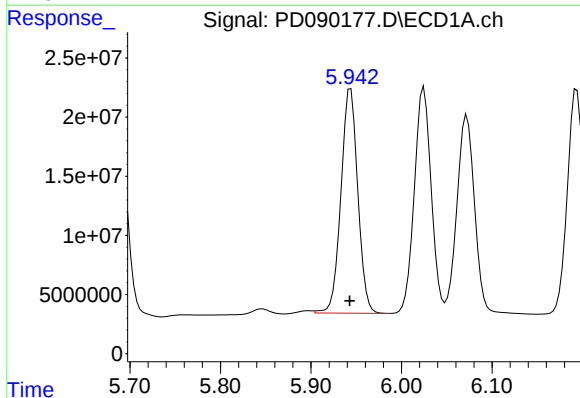
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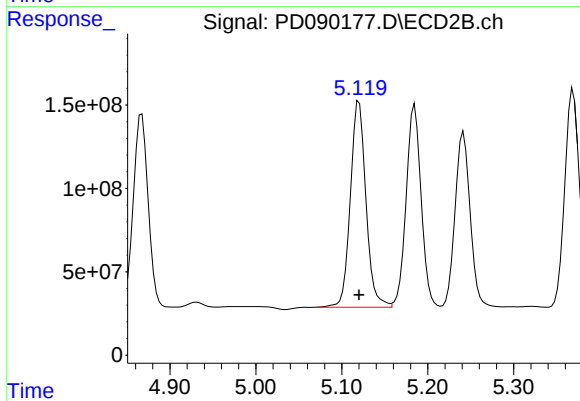
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 1270763591
Conc: 48.46 ng/ml



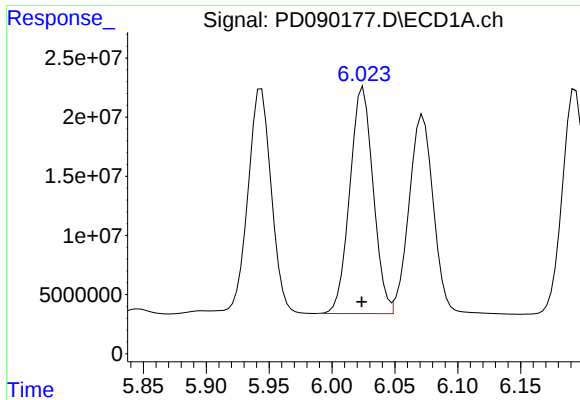
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 245407492
Conc: 50.18 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: -0.002 min
Response: 1572623892
Conc: 53.11 ng/ml m



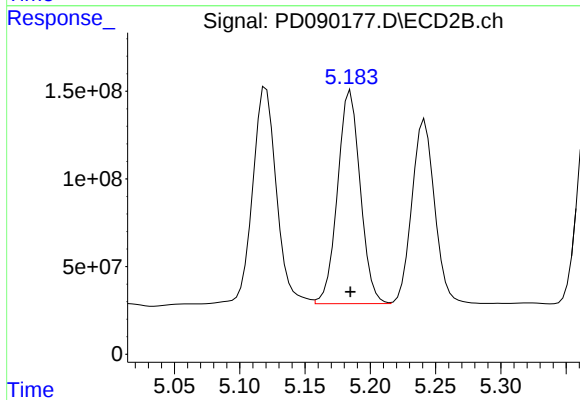
#11 alpha-Chlordane

R.T.: 6.025 min
Delta R.T.: 0.001 min
Response: 247807184
Conc: 50.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-2MSD

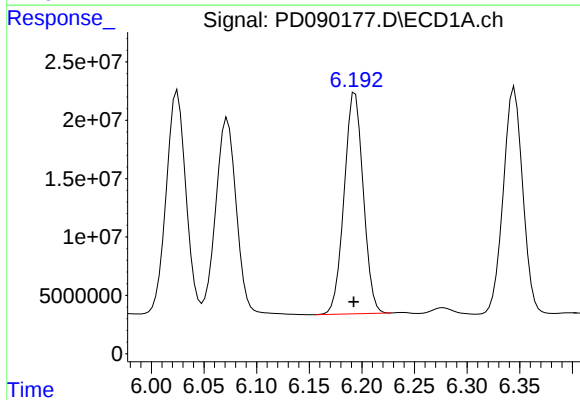
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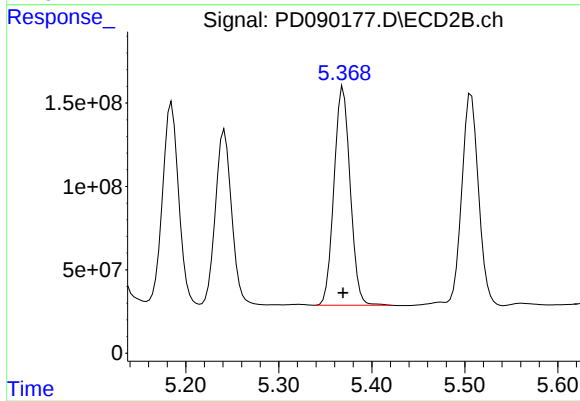
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 1472488759
Conc: 51.60 ng/ml



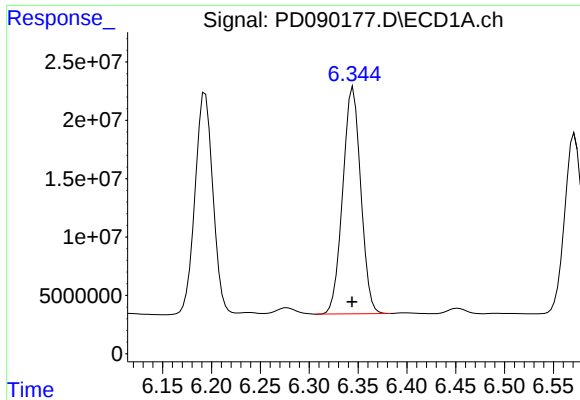
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.001 min
Response: 239970488
Conc: 54.68 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 1584814968
Conc: 54.98 ng/ml



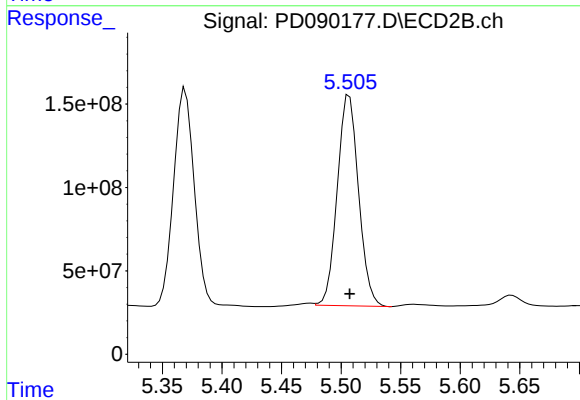
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.001 min
Response: 249261079
Conc: 50.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-2MSD

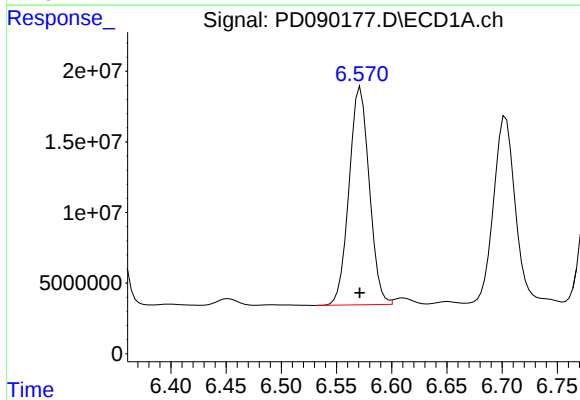
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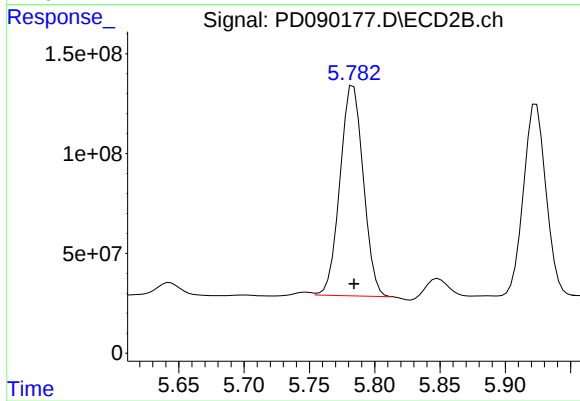
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 1572576705
Conc: 53.70 ng/ml



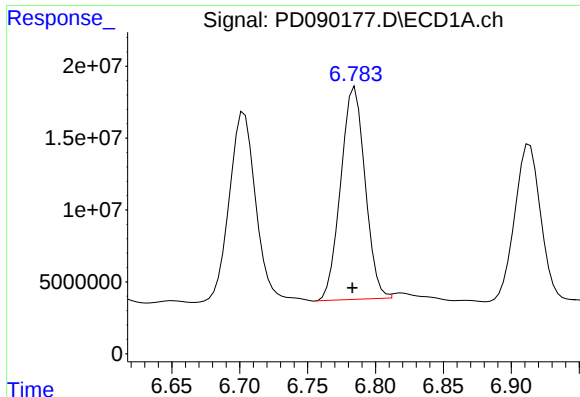
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 196316508
Conc: 47.38 ng/ml



#14 Endrin

R.T.: 5.782 min
Delta R.T.: -0.002 min
Response: 1309225777
Conc: 49.16 ng/ml m



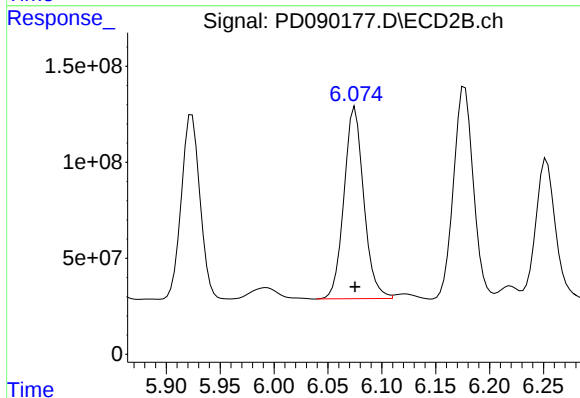
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: 0.002 min
Response: 184549001
Conc: 43.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-2MSD

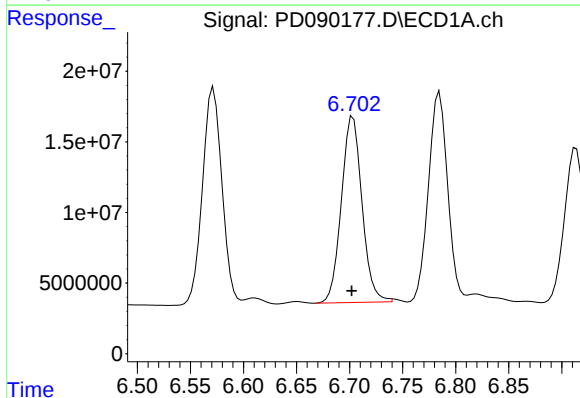
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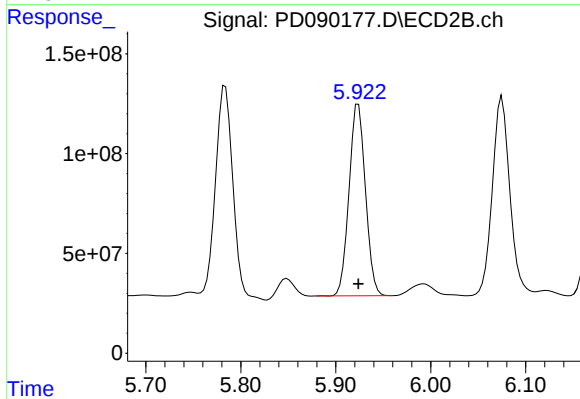
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: -0.002 min
Response: 1276593010
Conc: 50.47 ng/ml m



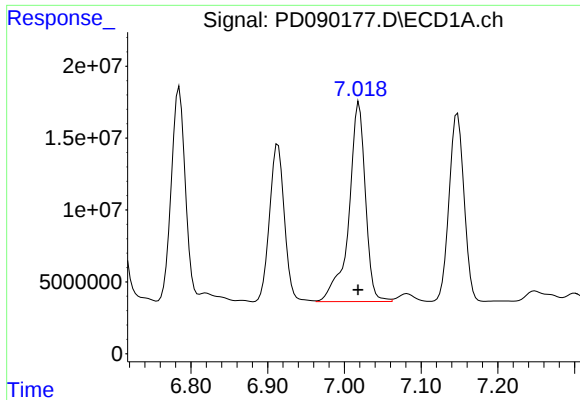
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 177937737
Conc: 51.44 ng/ml m



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 1152703256
Conc: 47.94 ng/ml



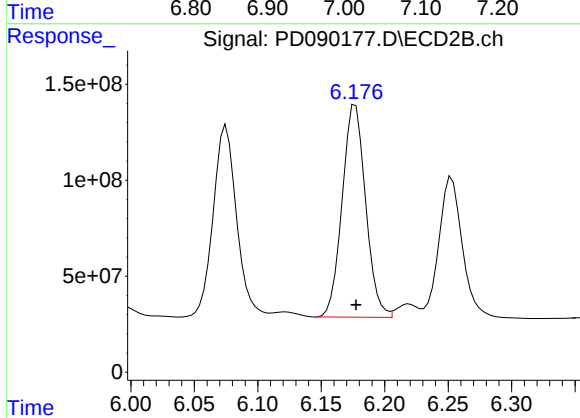
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.001 min
Response: 209061923
Conc: 54.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-2MSD

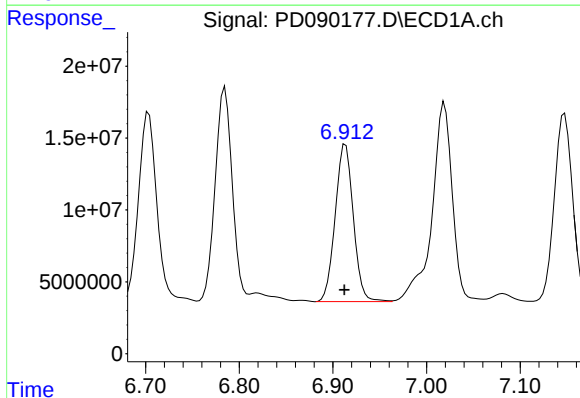
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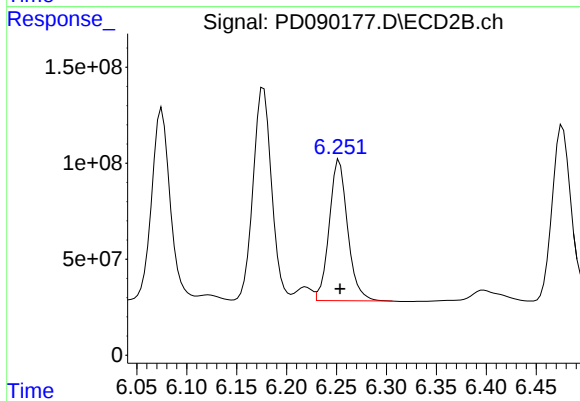
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.000 min
Response: 1423873843
Conc: 56.80 ng/ml



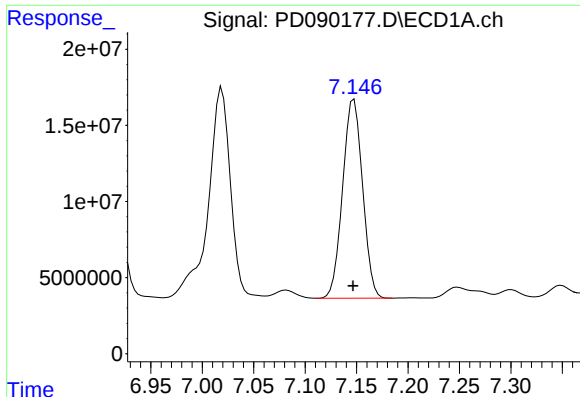
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.001 min
Response: 147384476
Conc: 51.40 ng/ml



#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: 0.000 min
Response: 941785200
Conc: 54.69 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 176402077
Conc: 45.02 ng/ml

Instrument :

ECD_D

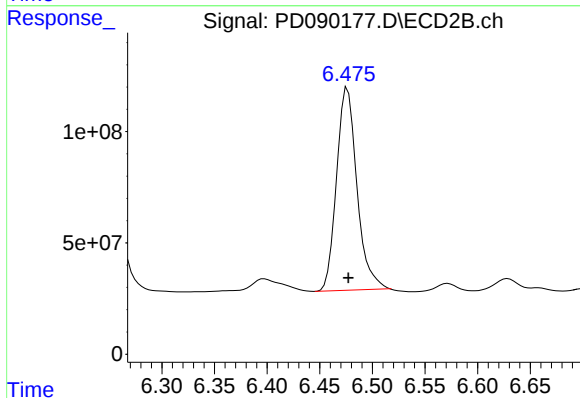
ClientSampleId :

TP-2MSD

Manual Integrations

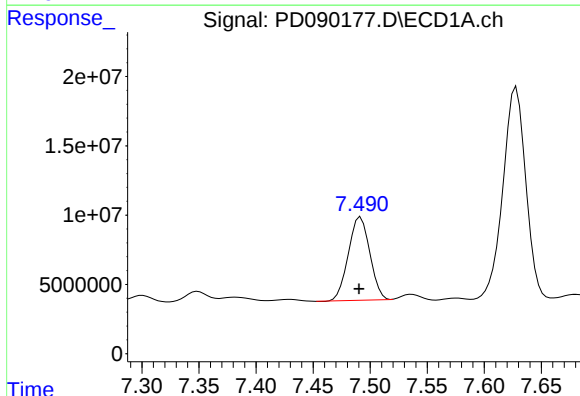
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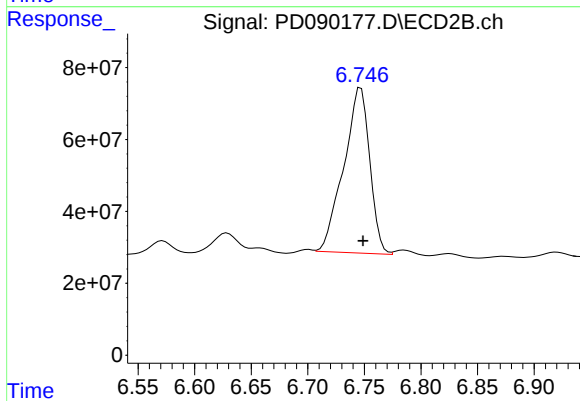
#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: 0.000 min
Response: 1229919576
Conc: 50.45 ng/ml



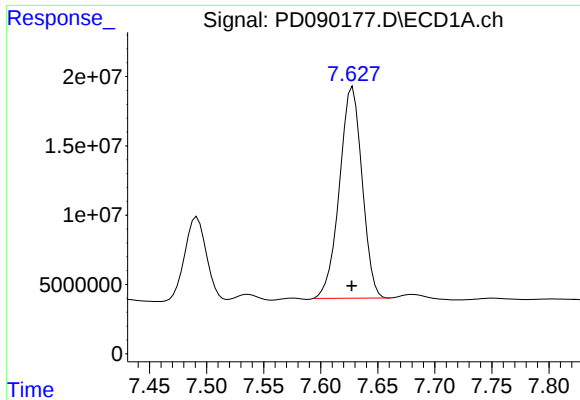
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.001 min
Response: 78534753
Conc: 39.16 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: -0.002 min
Response: 735733798
Conc: 57.05 ng/ml



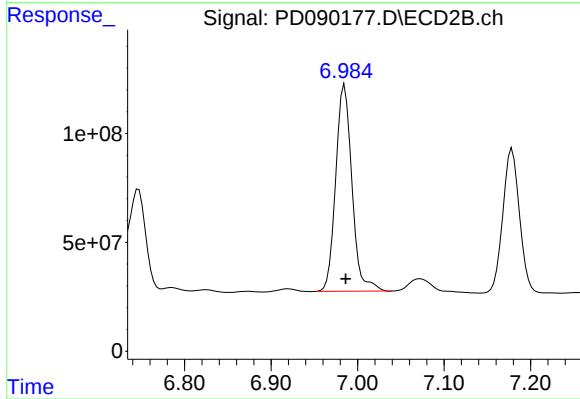
#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 210511627
Conc: 50.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-2MSD

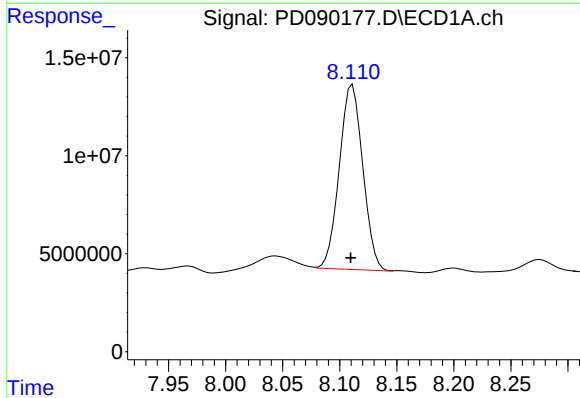
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/08/2025
Supervised By :mohammad ahmed 09/09/2025



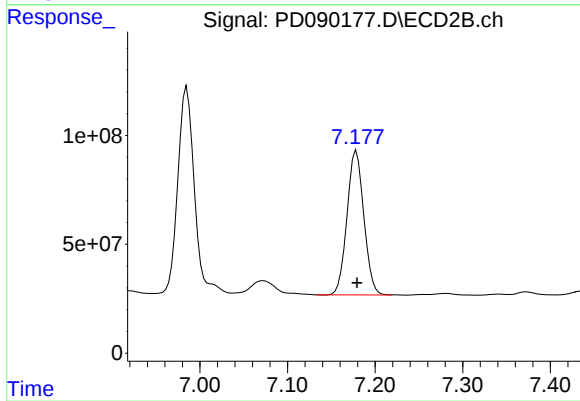
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: -0.001 min
Response: 1234598500
Conc: 46.34 ng/ml



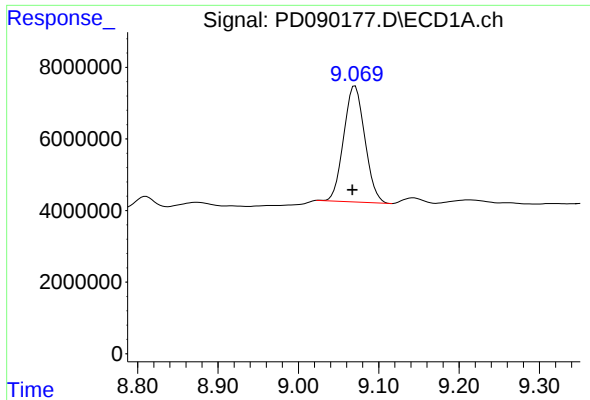
#22 Mirex

R.T.: 8.110 min
Delta R.T.: 0.000 min
Response: 134918590
Conc: 42.77 ng/ml m



#22 Mirex

R.T.: 7.179 min
Delta R.T.: 0.000 min
Response: 882848782
Conc: 42.74 ng/ml



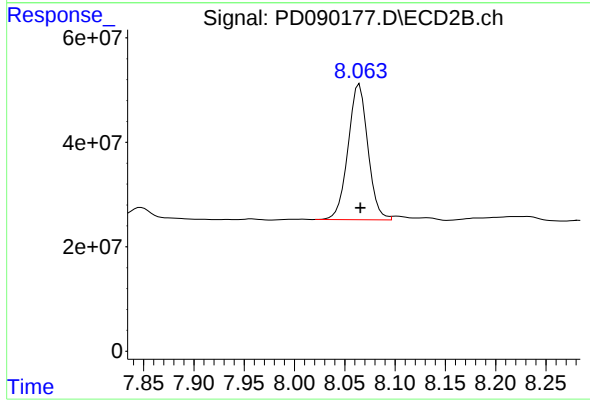
#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.004 min
Response: 59210422
Conc: 13.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-2MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/08/2025
Supervised By :mohammad ahmed 09/09/2025



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 355960139
Conc: 13.75 ng/ml