

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090325\
 Data File : PD090136.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Sep 2025 03:38
 Operator : AR\AJ
 Sample : Q3003-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 VNJ-231MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 09/04/2025
 Supervised By : mohammad ahmed 09/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 04 05:31:47 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	2.876	57214983	467.0E6	19.495	21.177m
28)	SA Decachlor...	9.070	8.065	88413089	538.1E6	20.485m	20.787
Target Compounds							
2)	A alpha-BHC	3.999	3.388	296.5E6	1672.1E6	49.400	49.267m
3)	MA gamma-BHC...	4.329	3.725	291.4E6	1540.3E6	50.889	49.414
4)	MA Heptachlor	4.928	4.078	365.9E6	1915.3E6	65.234	61.404
5)	MB Aldrin	5.259	4.363	331.8E6	1515.8E6	61.286m	49.770m
6)	B beta-BHC	4.516	4.033	95928457	2004.9E6	42.768	150.401 #
7)	B delta-BHC	4.764	4.258	238.9E6	1384.9E6	46.148	43.896
8)	B Heptachlo...	5.689	4.868	936.5E6	3670.6E6	190.851	132.536 #
9)	A Endosulfan I	6.071	5.241	231.1E6	1012.7E6	50.088	38.619
10)	B gamma-Chl...	5.945	5.119	4280.6E6	13712.7E6	875.207	463.090 #
11)	B alpha-Chl...	6.027	5.185	6054.7E6	15665.2E6	1230.030	548.924 #
12)	B 4,4'-DDE	6.189	5.370	505.7E6	1562.5E6	115.235	54.211 #
13)	MA Dieldrin	6.345	5.507	271.0E6	1504.1E6	55.364	51.359
14)	MA Endrin	6.572	5.784	162.3E6	1435.1E6	39.180	53.885 #
15)	B Endosulfa...	6.785	6.084	250.6E6	6403.7E6	59.379	253.164 #
16)	A 4,4'-DDD	6.698	5.922	127.8E6	1093.6E6	36.957m	45.482m
17)	MA 4,4'-DDT	7.019	6.178	222.8E6	1574.0E6	58.485	62.786
18)	B Endrin al...	6.915	6.253	192.9E6	1048.7E6	67.287	60.902
19)	B Endosulfa...	7.149	6.477	207.9E6	1073.4E6	53.064	44.029
20)	A Methoxychlor	7.494	6.748	103.2E6	524.4E6	51.440	40.661
21)	B Endrin ke...	7.629	6.985	185.7E6	1057.5E6	44.810	39.691
22)	Mirex	8.110	7.178	123.1E6	856.8E6	39.039m	41.480m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090325\
Data File : PD090136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Sep 2025 03:38
Operator : AR\AJ
Sample : Q3003-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

VNJ-231MSD

Manual Integrations

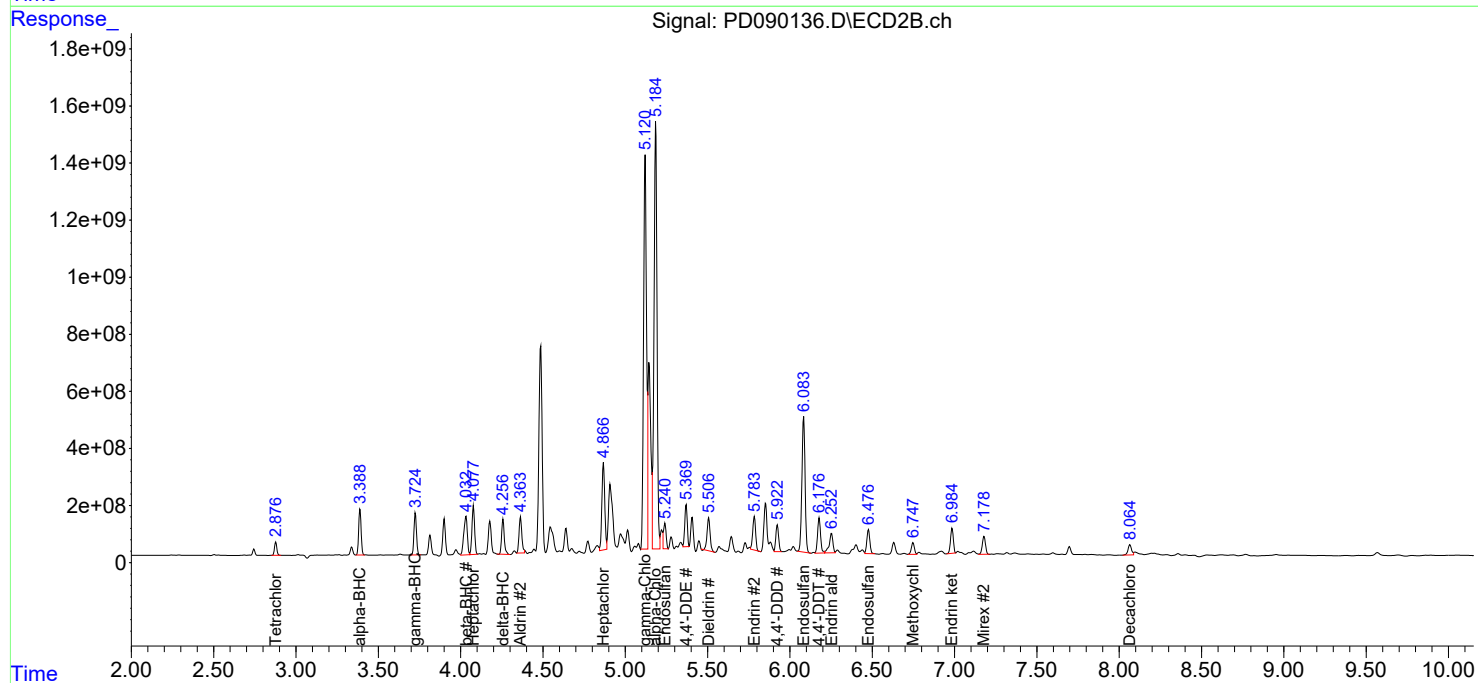
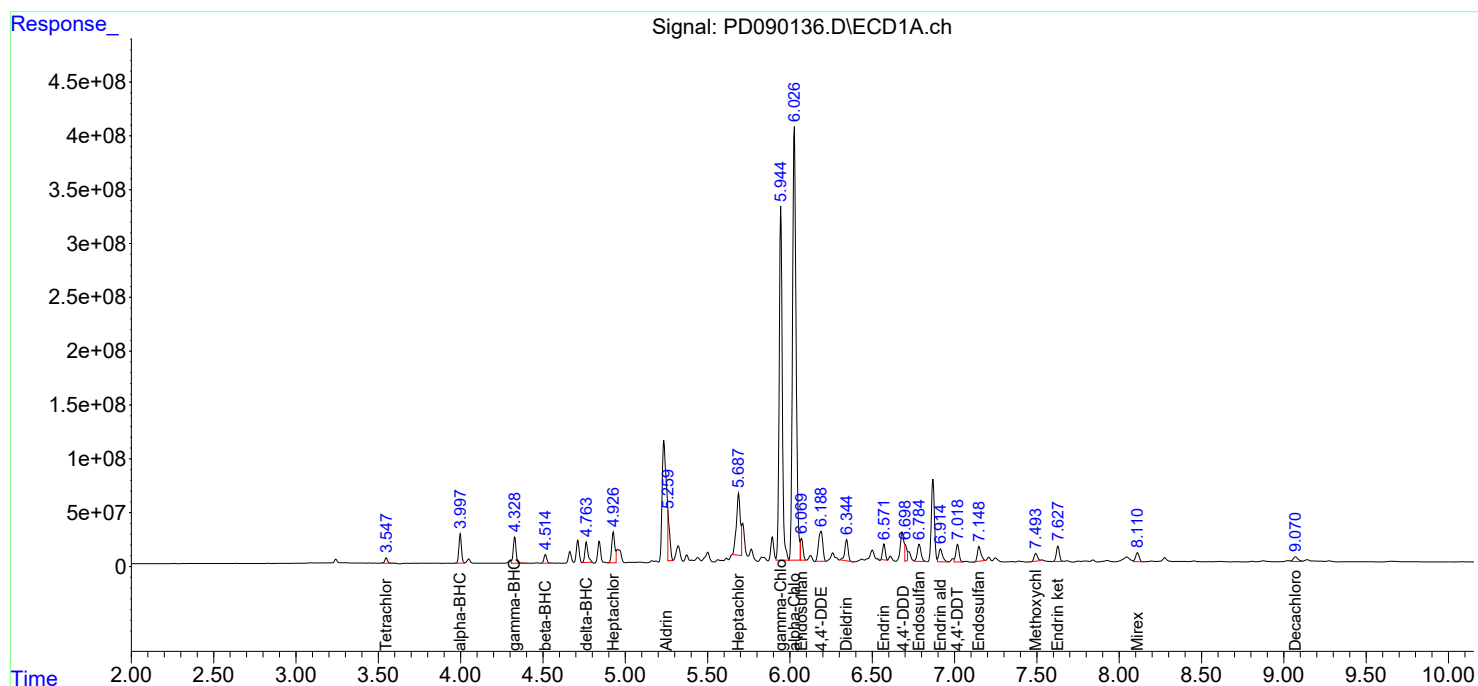
APPROVED

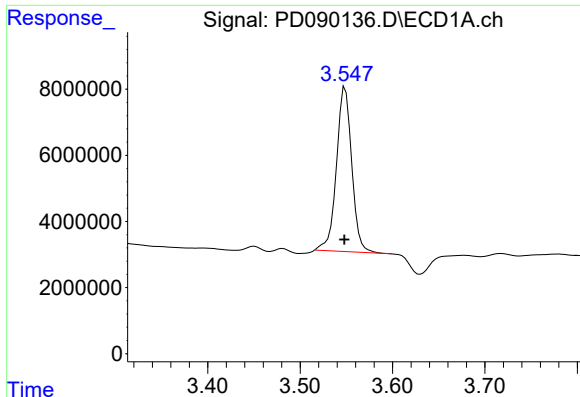
Reviewed By :Abdul Mirza 09/04/2025

Supervised By :mohammad ahmed 09/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 04 05:31:47 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





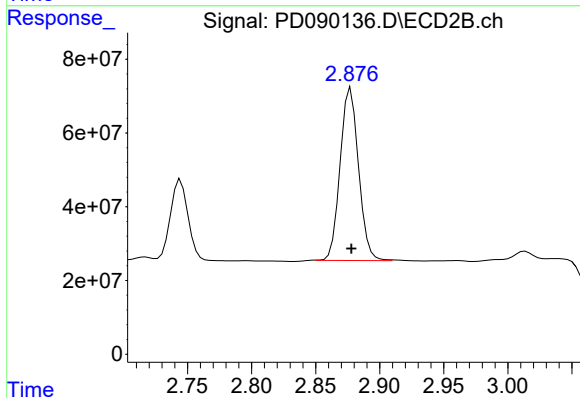
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 57214983
Conc: 19.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
VNJ-231MSD

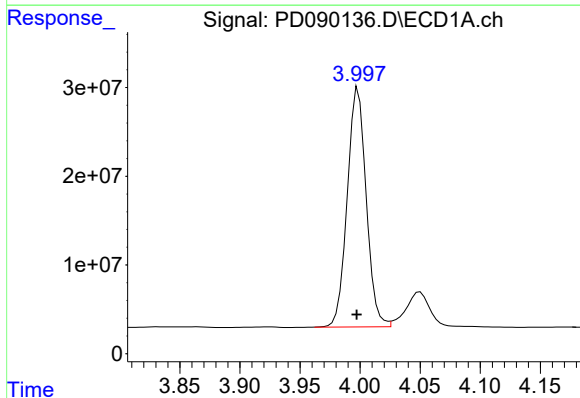
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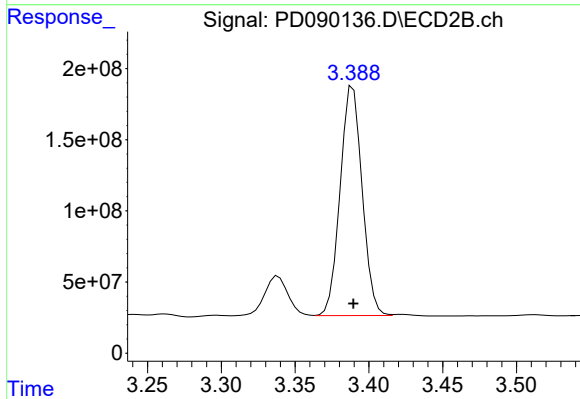
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: -0.002 min
Response: 466962944
Conc: 21.18 ng/ml m



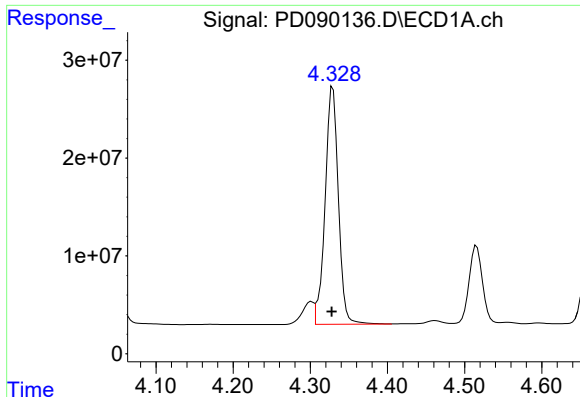
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.001 min
Response: 296510537
Conc: 49.40 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: -0.002 min
Response: 1672059533
Conc: 49.27 ng/ml m



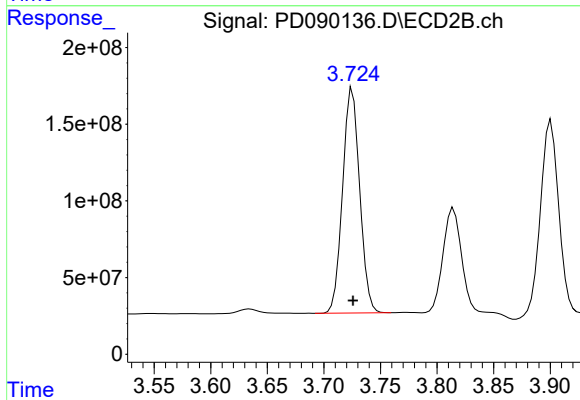
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.002 min
Response: 291430935
Conc: 50.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
VNJ-231MSD

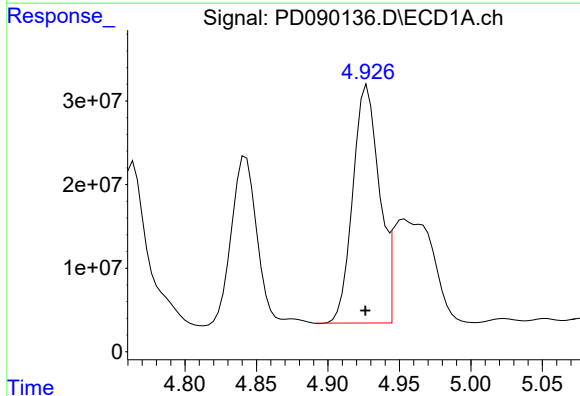
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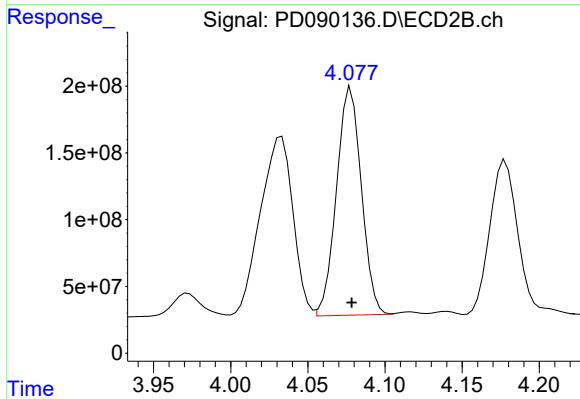
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 1540269147
Conc: 49.41 ng/ml



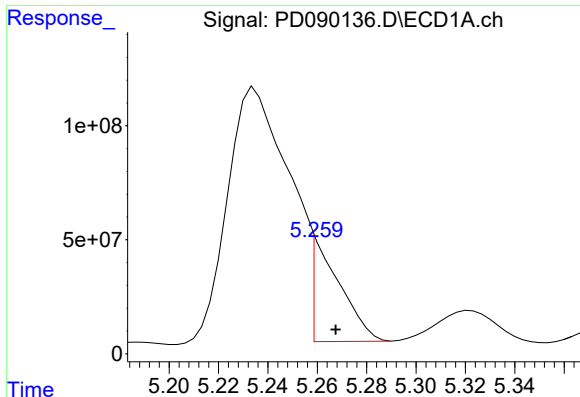
#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: 0.001 min
Response: 365906430
Conc: 65.23 ng/ml



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.000 min
Response: 1915290879
Conc: 61.40 ng/ml



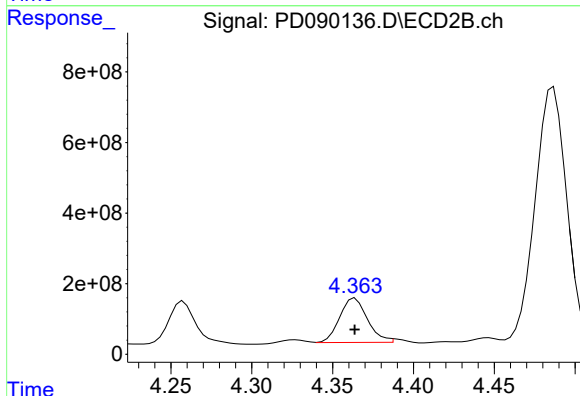
#5 Aldrin

R.T.: 5.259 min
Delta R.T.: -0.009 min
Response: 331837356
Conc: 61.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
VNJ-231MSD

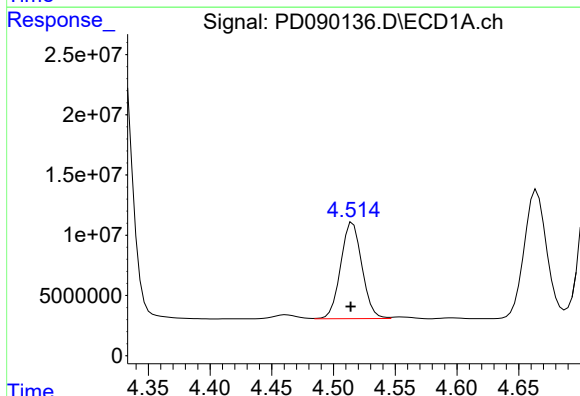
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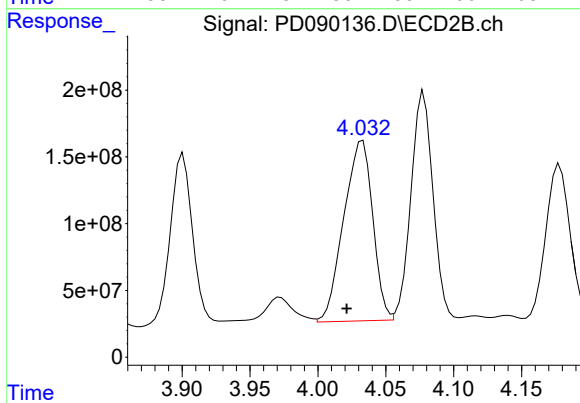
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: -0.001 min
Response: 1515766872
Conc: 49.77 ng/ml m



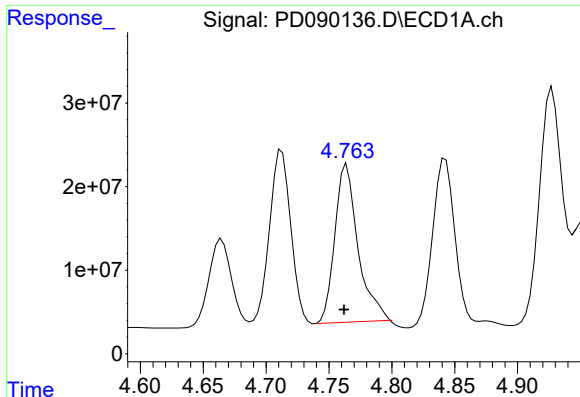
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.002 min
Response: 95928457
Conc: 42.77 ng/ml



#6 beta-BHC

R.T.: 4.033 min
Delta R.T.: 0.012 min
Response: 2004866357
Conc: 150.40 ng/ml



#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.002 min
Response: 238942725
Conc: 46.15 ng/ml

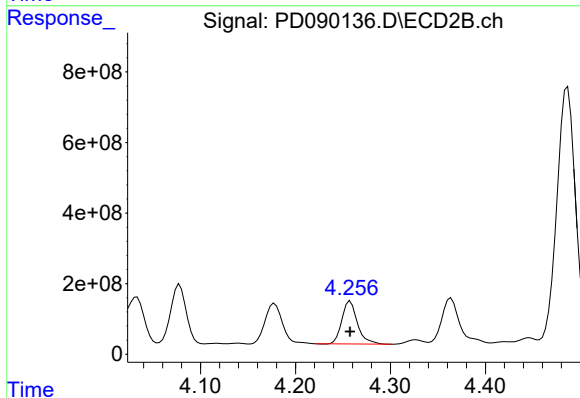
Instrument :

ECD_D

ClientSampleId :
VNJ-231MSD

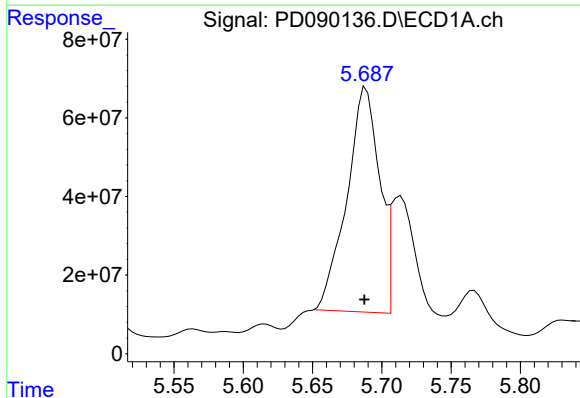
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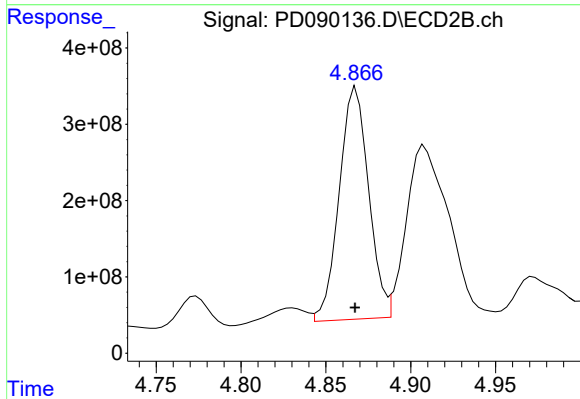
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1384921952
Conc: 43.90 ng/ml



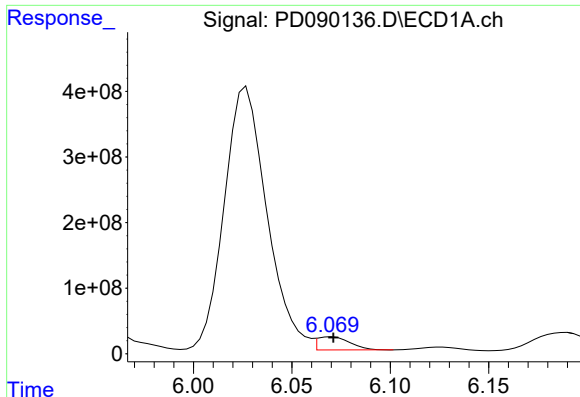
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.001 min
Response: 936469381
Conc: 190.85 ng/ml



#8 Heptachlor epoxide

R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 3670556657
Conc: 132.54 ng/ml



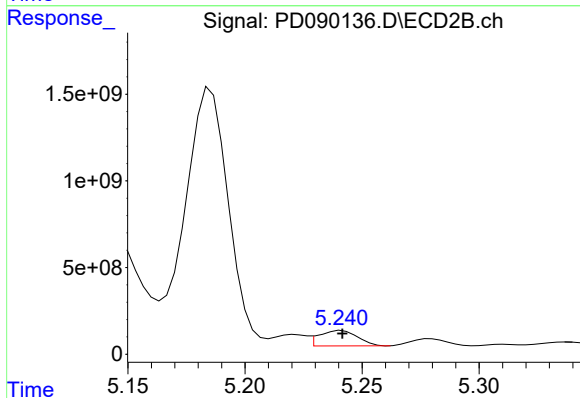
#9 Endosulfan I

R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 231149121
Conc: 50.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
VNJ-231MSD

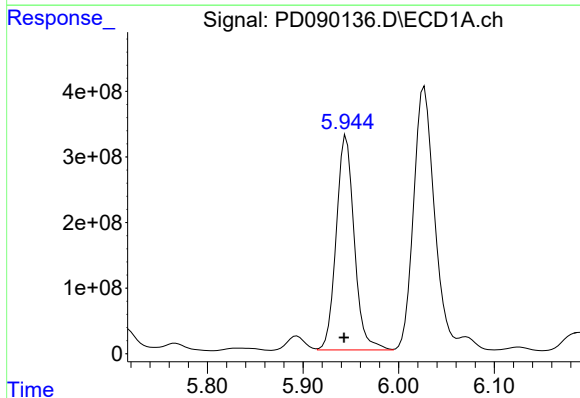
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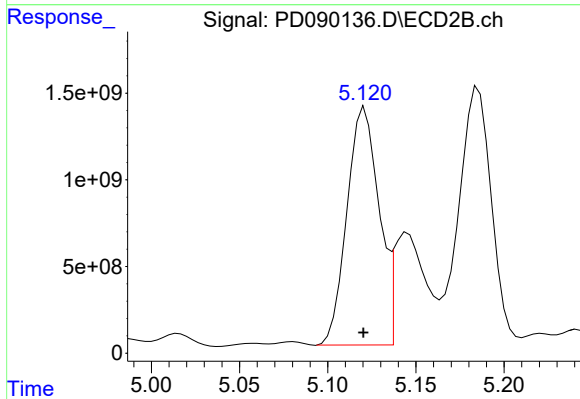
#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 1012651045
Conc: 38.62 ng/ml



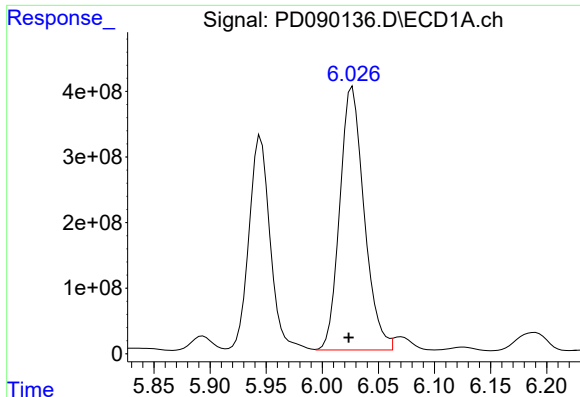
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.002 min
Response: 4280621767
Conc: 875.21 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: -0.002 min
Response: 13712682430
Conc: 463.09 ng/ml



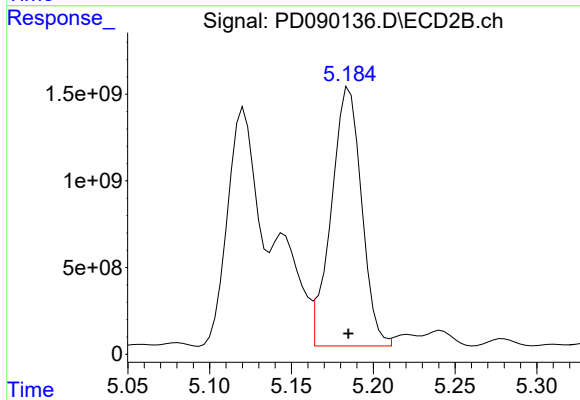
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.003 min
Response: 6054725774
Conc: 1230.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
VNJ-231MSD

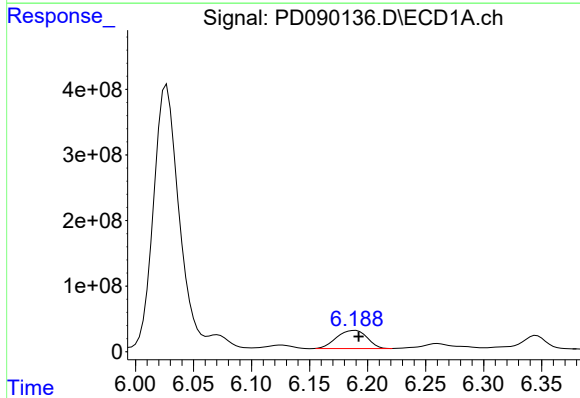
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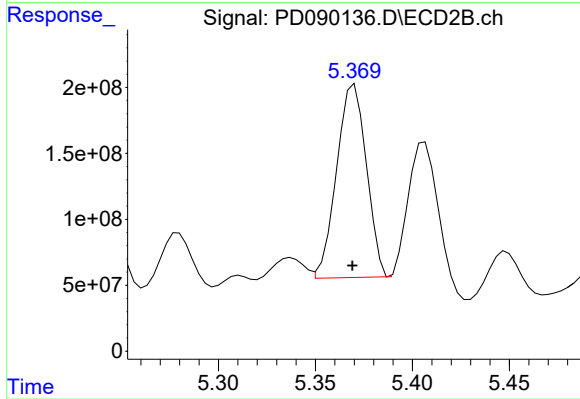
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 15665243097
Conc: 548.92 ng/ml



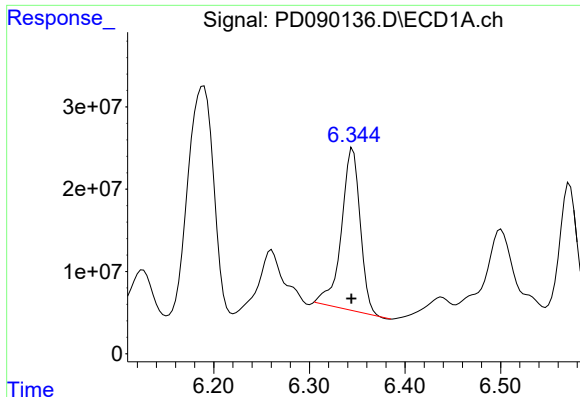
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.003 min
Response: 505688428
Conc: 115.24 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: 0.001 min
Response: 1562501390
Conc: 54.21 ng/ml



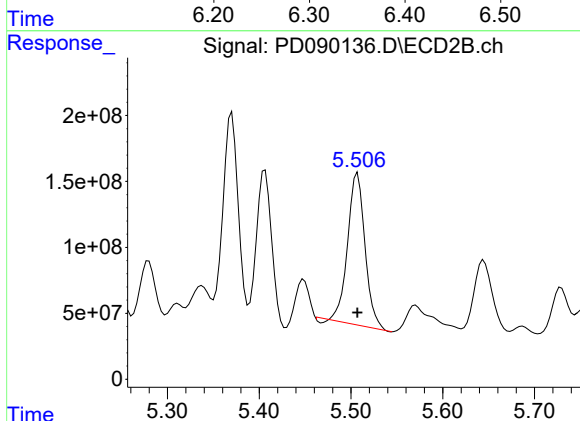
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.001 min
Response: 271047903
Conc: 55.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
VNJ-231MSD

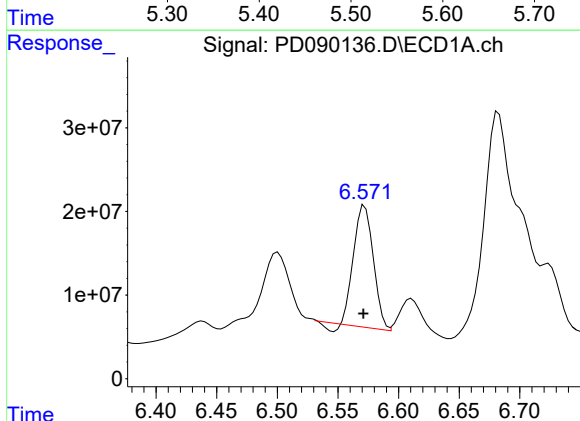
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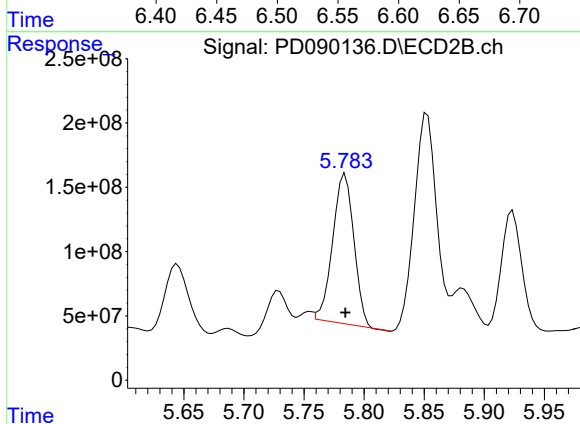
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 1504147638
Conc: 51.36 ng/ml



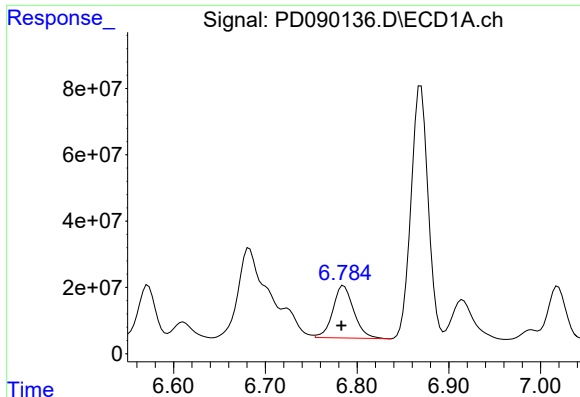
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.001 min
Response: 162345153
Conc: 39.18 ng/ml



#14 Endrin

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 1435067386
Conc: 53.88 ng/ml



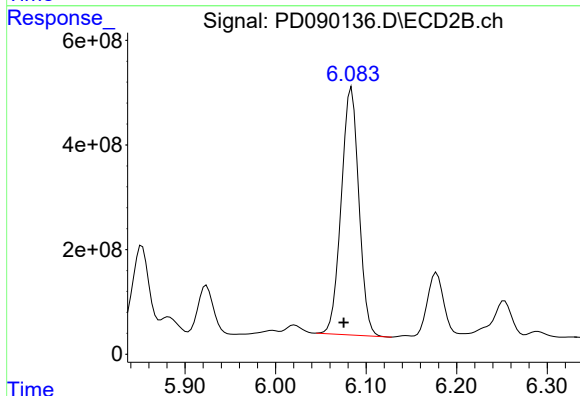
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: 0.003 min
Response: 250561198
Conc: 59.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
VNJ-231MSD

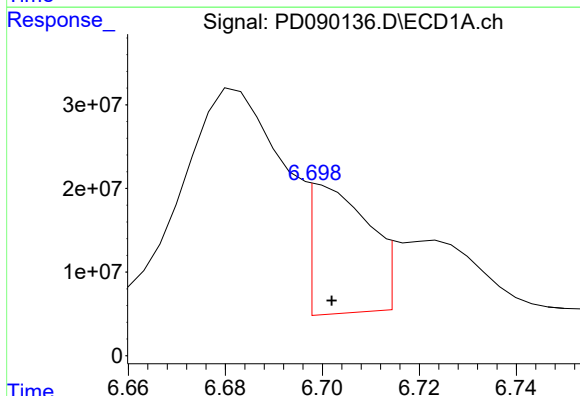
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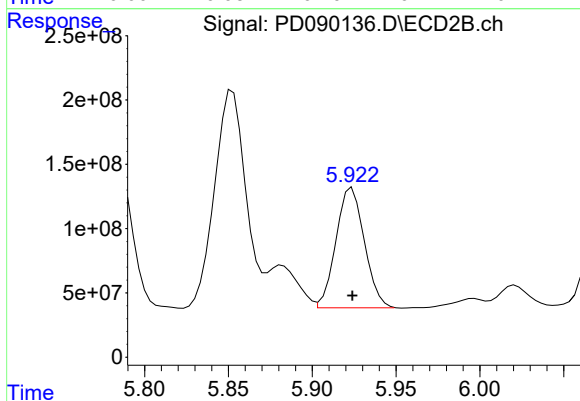
#15 Endosulfan II

R.T.: 6.084 min
Delta R.T.: 0.009 min
Response: 6403672292
Conc: 253.16 ng/ml



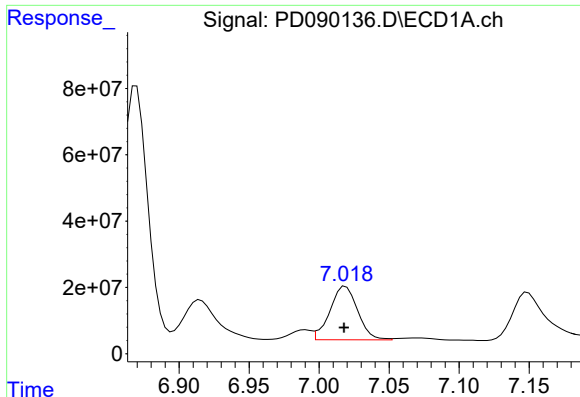
#16 4,4'-DDD

R.T.: 6.698 min
Delta R.T.: -0.004 min
Response: 127838868
Conc: 36.96 ng/ml m



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: -0.002 min
Response: 1093560542
Conc: 45.48 ng/ml m



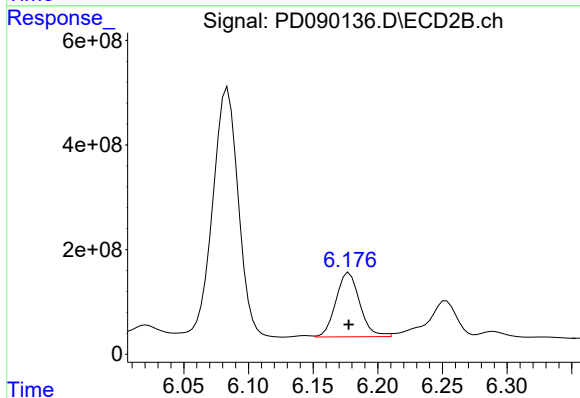
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.001 min
Response: 222811301
Conc: 58.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
VNJ-231MSD

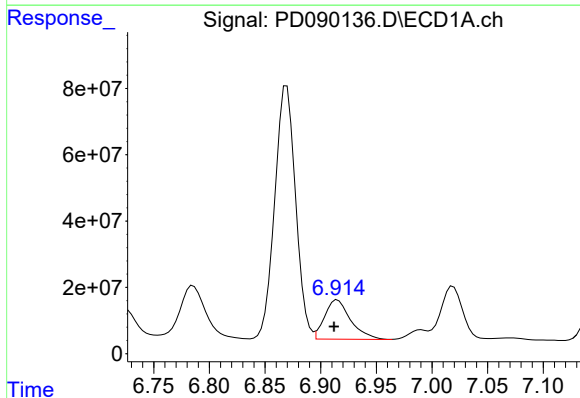
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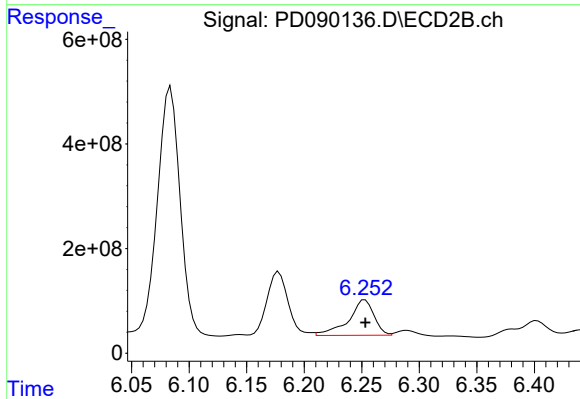
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 1574020581
Conc: 62.79 ng/ml



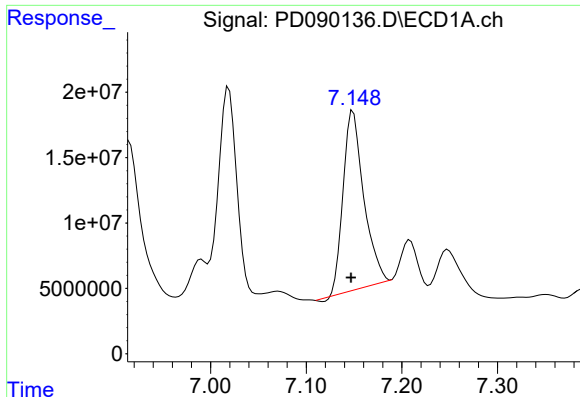
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.003 min
Response: 192921778
Conc: 67.29 ng/ml



#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: 0.000 min
Response: 1048723642
Conc: 60.90 ng/ml



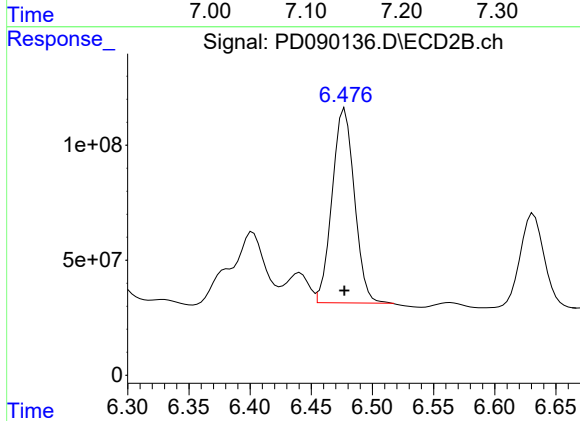
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.002 min
Response: 207931086
Conc: 53.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
VNJ-231MSD

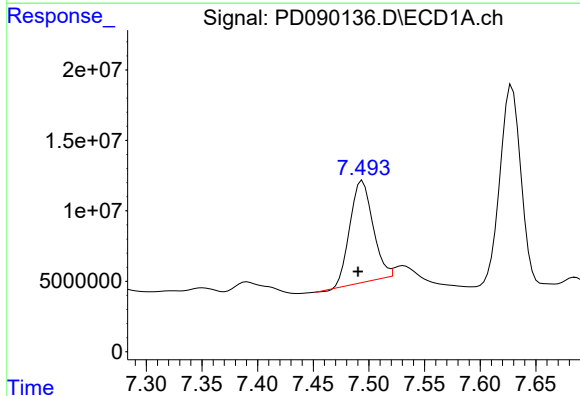
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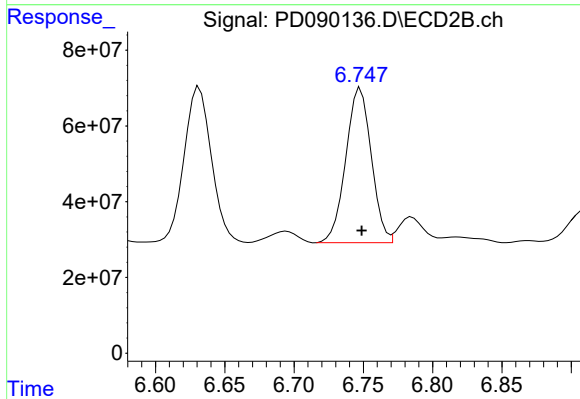
#19 Endosulfan Sulfate

R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 1073412996
Conc: 44.03 ng/ml



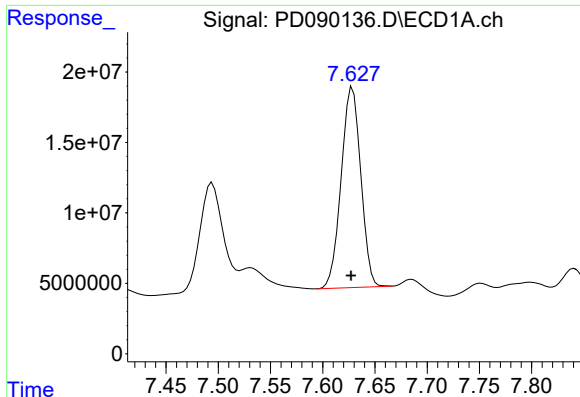
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: 0.004 min
Response: 103169746
Conc: 51.44 ng/ml



#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: 0.000 min
Response: 524351129
Conc: 40.66 ng/ml



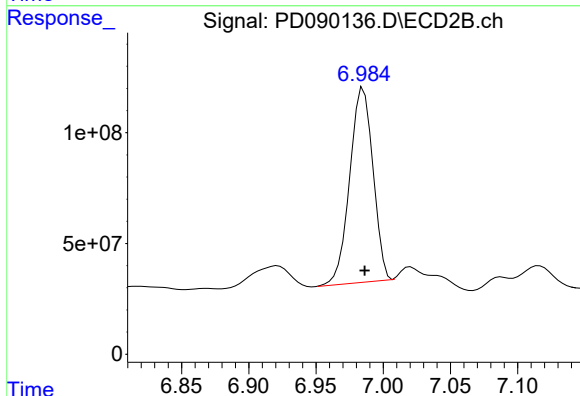
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.001 min
Response: 185717665
Conc: 44.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
VNJ-231MSD

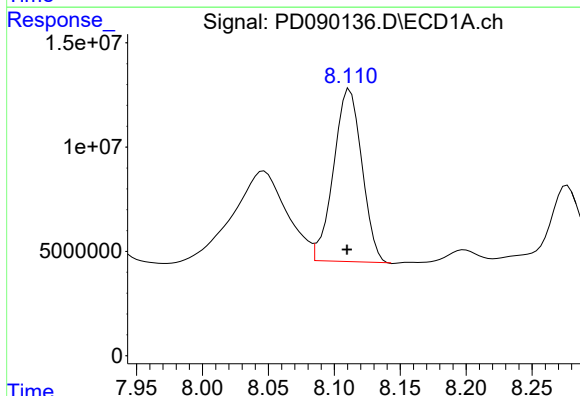
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/04/2025
Supervised By :mohammad ahmed 09/05/2025



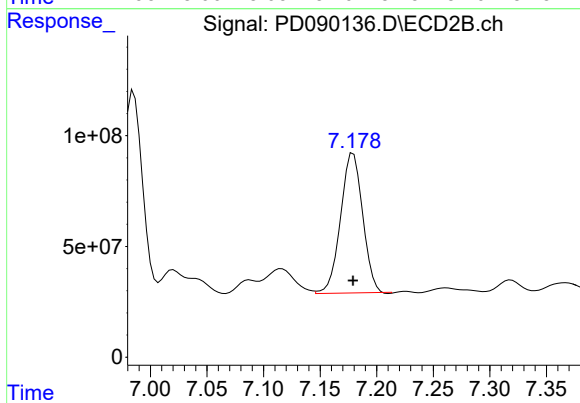
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: 0.000 min
Response: 1057544944
Conc: 39.69 ng/ml



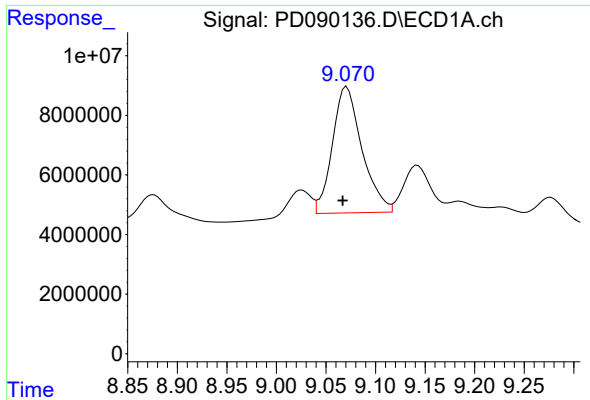
#22 Mirex

R.T.: 8.110 min
Delta R.T.: 0.000 min
Response: 123146908
Conc: 39.04 ng/ml m



#22 Mirex

R.T.: 7.178 min
Delta R.T.: -0.001 min
Response: 856808912
Conc: 41.48 ng/ml m



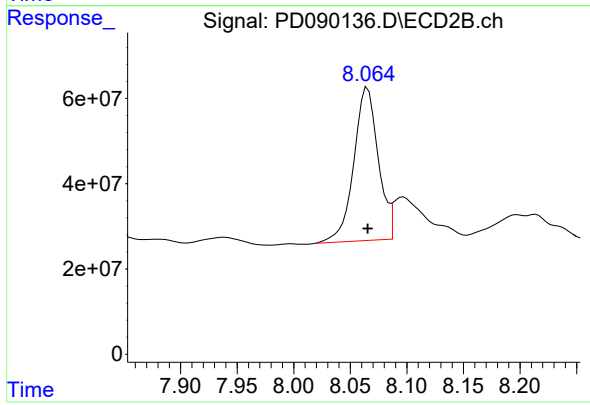
#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.003 min
Response: 88413089
Conc: 20.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
VNJ-231MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/04/2025
Supervised By :mohammad ahmed 09/05/2025



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 538098273
Conc: 20.79 ng/ml