

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD063023\
 Data File : PD076236.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Jun 2023 12:12
 Operator : AR\AJ
 Sample : 03428-02MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PNNL-APM-0621-1MS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/03/2023
 Supervised By :Ankita Jodhani 07/05/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 00:22:49 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061523.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 16 10:43:19 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 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...	3.548	2.767	45671641	23893867	21.441	22.023
28)	SA Decachlor...	9.088	7.909	57138920	23786083	22.555	24.326
Target Compounds							
2)	A alpha-BHC	4.004	3.269	255.1E6	111.2E6	69.096	69.541
3)	MA gamma-BHC...	4.337	3.599	234.6E6	102.9E6	69.725	69.827
4)	MA Heptachlor	4.928	3.939	245.8E6	103.4E6	68.524	68.071
5)	MB Aldrin	5.271	4.218	235.3E6	99145630	67.149	66.487
6)	B beta-BHC	4.534	3.895	94826390	42706911	65.956	67.001
7)	B delta-BHC	4.782	4.125	235.1E6	102.6E6	70.723	70.822
8)	B Heptachlo...	5.699	4.721	215.5E6	91575285	66.879	66.666
9)	A Endosulfan I	6.085	5.091	200.5E6	86051454	66.841	67.322
10)	B gamma-Chl...	5.955	4.971	219.9E6	92819493	68.250	67.647
11)	B alpha-Chl...	6.034	5.036	214.6E6	91562893	66.372	66.748
12)	B 4,4'-DDE	6.206	5.224	200.8E6	85139485	70.268	76.279
13)	MA Dieldrin	6.361	5.356	211.7E6	91763946	67.755	68.015
14)	MA Endrin	6.591	5.632	181.4E6	82663979	67.833	67.925
15)	B Endosulfa...	6.811	5.925	169.0E6	74645906	65.418	69.190
16)	A 4,4'-DDD	6.724	5.779	162.5E6	70828354	71.393	80.371
17)	MA 4,4'-DDT	7.039	6.031	167.1E6	68241675	73.631	84.011
18)	B Endrin al...	6.939	6.105	129.5E6	57813560	64.517m	66.799
19)	B Endosulfa...	7.176	6.328	168.4E6	75183335	66.835	69.575
20)	A Methoxychlor	7.515	6.606	86508430	35958426	66.833	77.690
21)	B Endrin ke...	7.662	6.834	188.5E6	85080175	67.647	70.028
22)	Mirex	8.137	7.016	133.5E6	64410158	62.314	61.447

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD063023\
Data File : PD076236.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jun 2023 12:12
Operator : AR\AJ
Sample : 03428-02MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

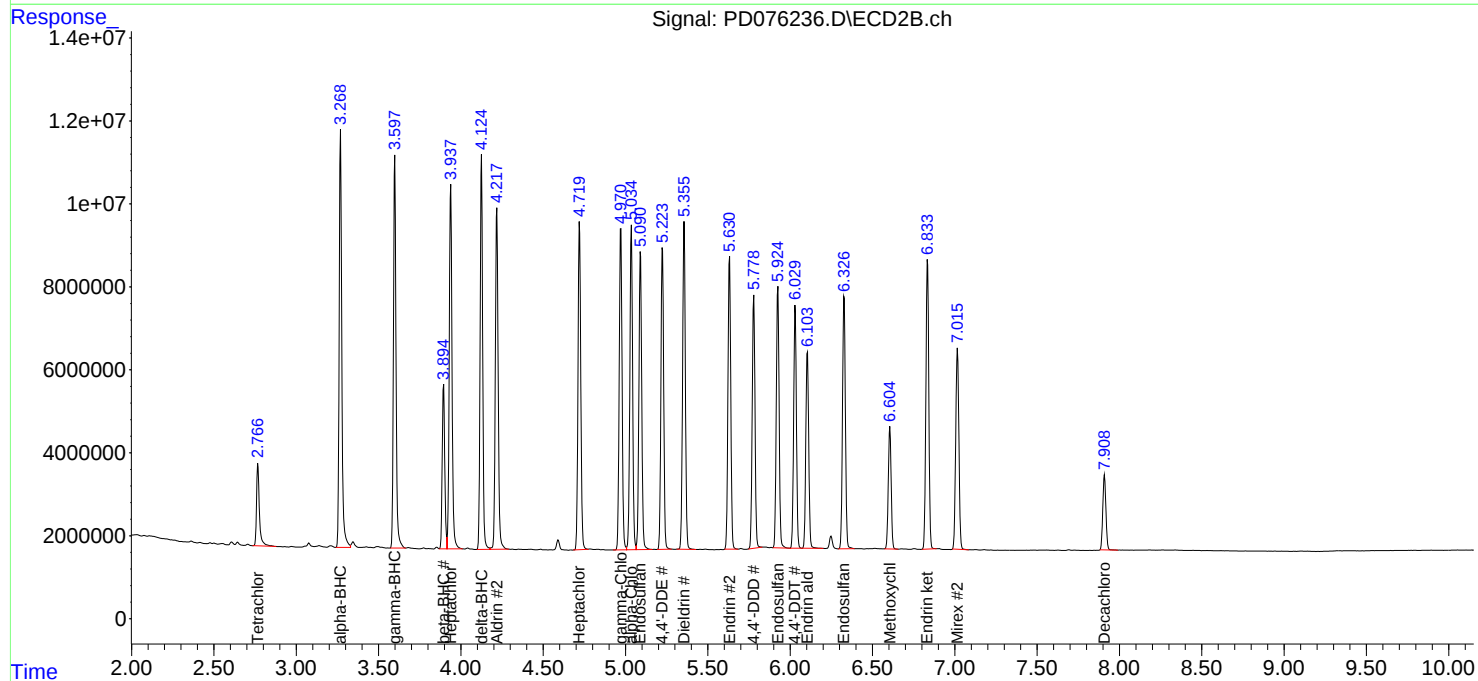
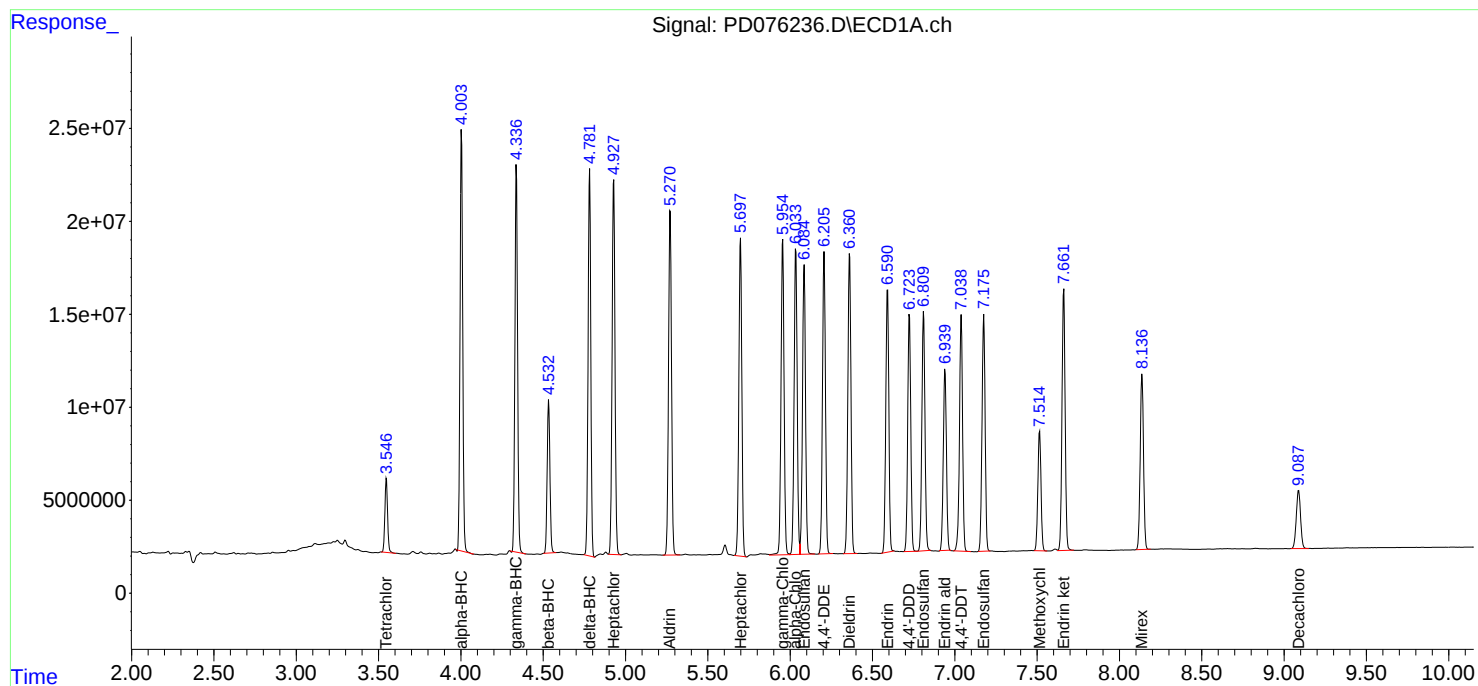
Instrument :
ECD_D
ClientSampleId :
PNNL-APM-0621-1MS

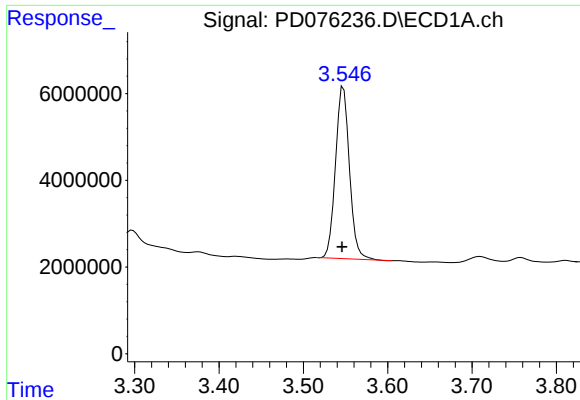
Manual Integrations
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Supervised By :Ankita Jodhani 07/05/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 00:22:49 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061523.M
Quant Title : GC Extractables
QLast Update : Fri Jun 16 10:43:19 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 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





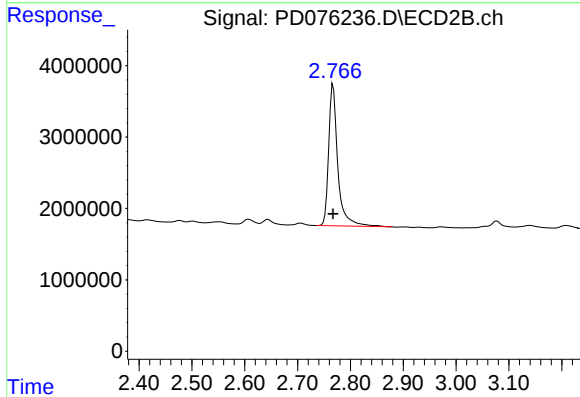
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.002 min
Response: 45671641
Conc: 21.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PNNL-APM-0621-1MS

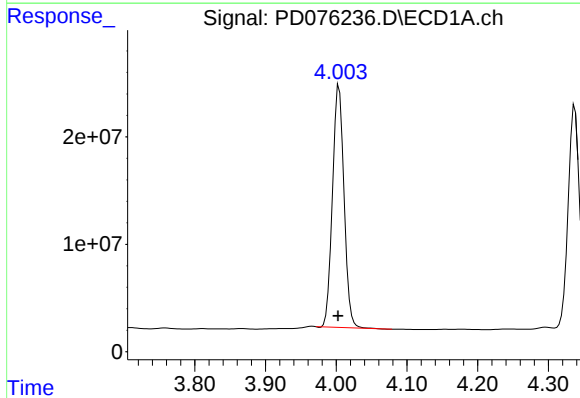
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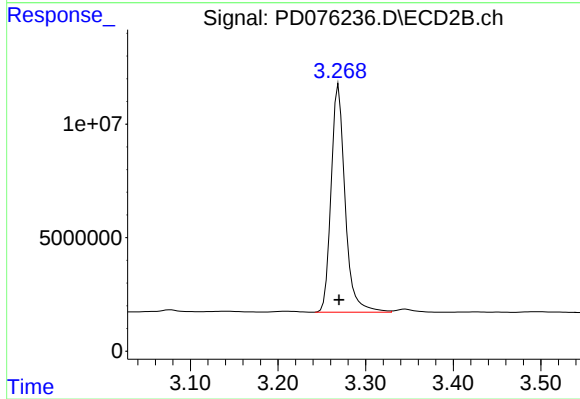
#1 Tetrachloro-m-xylene

R.T.: 2.767 min
Delta R.T.: 0.000 min
Response: 23893867
Conc: 22.02 ng/ml



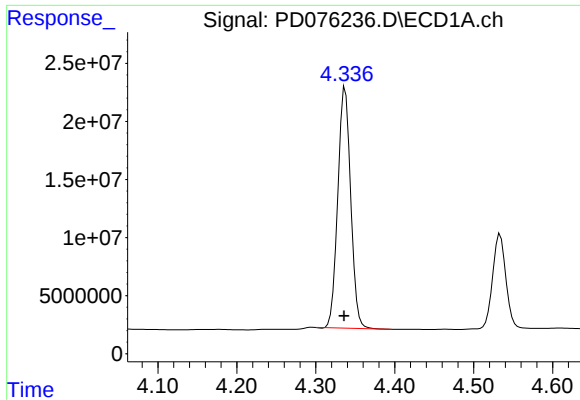
#2 alpha-BHC

R.T.: 4.004 min
Delta R.T.: 0.001 min
Response: 255107822
Conc: 69.10 ng/ml



#2 alpha-BHC

R.T.: 3.269 min
Delta R.T.: 0.000 min
Response: 111248787
Conc: 69.54 ng/ml



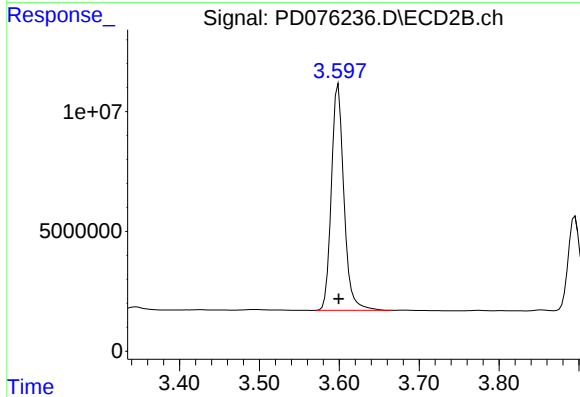
#3 gamma-BHC (Lindane)

R.T.: 4.337 min
Delta R.T.: 0.001 min
Response: 234617019
Conc: 69.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PNNL-APM-0621-1MS

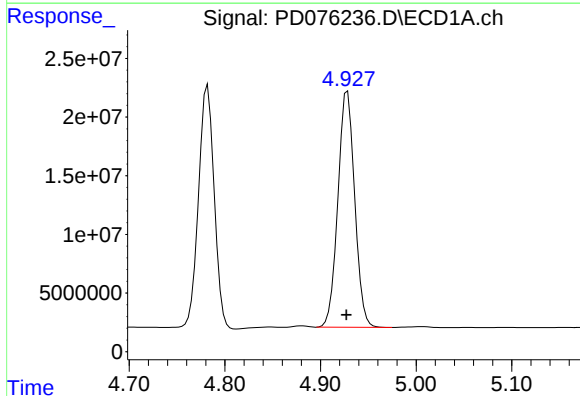
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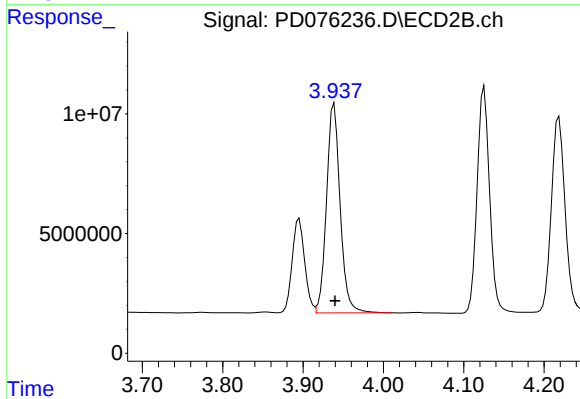
#3 gamma-BHC (Lindane)

R.T.: 3.599 min
Delta R.T.: 0.000 min
Response: 102885026
Conc: 69.83 ng/ml



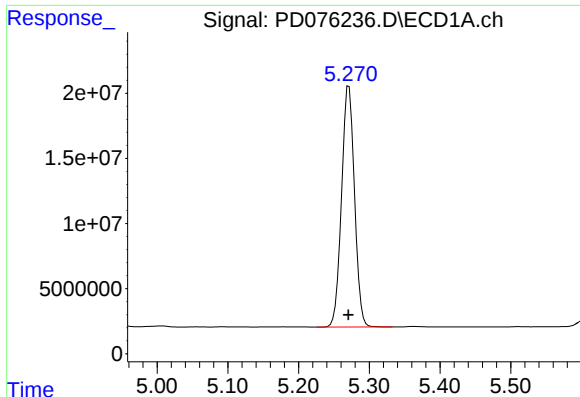
#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: 0.001 min
Response: 245769921
Conc: 68.52 ng/ml



#4 Heptachlor

R.T.: 3.939 min
Delta R.T.: -0.001 min
Response: 103389899
Conc: 68.07 ng/ml



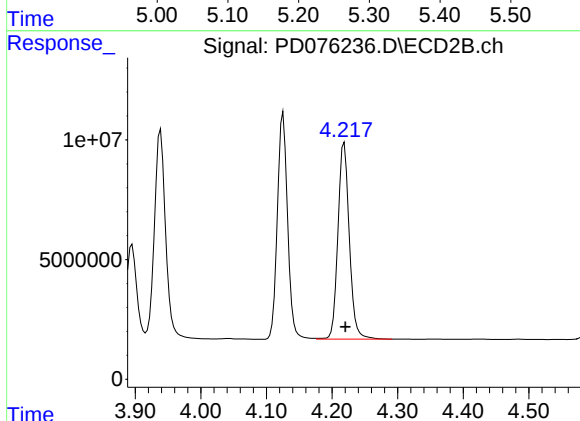
#5 Aldrin

R.T.: 5.271 min
Delta R.T.: 0.000 min
Response: 235303132
Conc: 67.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PNNL-APM-0621-1MS

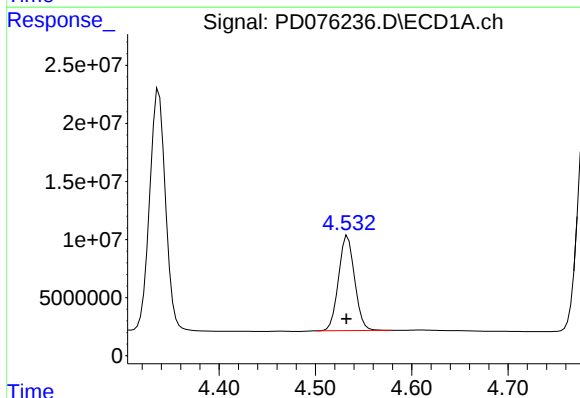
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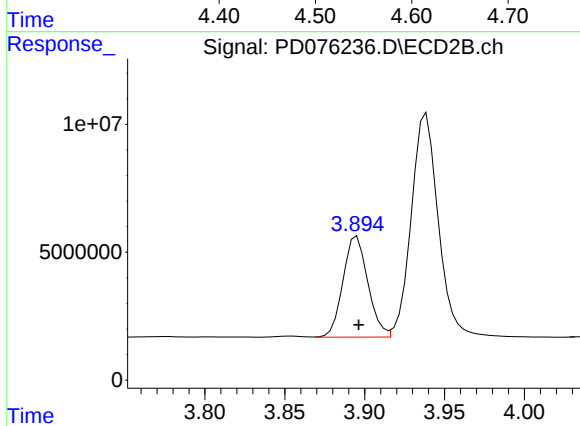
#5 Aldrin

R.T.: 4.218 min
Delta R.T.: -0.002 min
Response: 99145630
Conc: 66.49 ng/ml



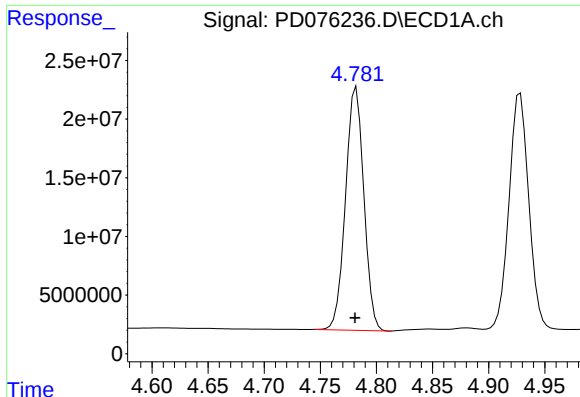
#6 beta-BHC

R.T.: 4.534 min
Delta R.T.: 0.001 min
Response: 94826390
Conc: 65.96 ng/ml



#6 beta-BHC

R.T.: 3.895 min
Delta R.T.: -0.001 min
Response: 42706911
Conc: 67.00 ng/ml



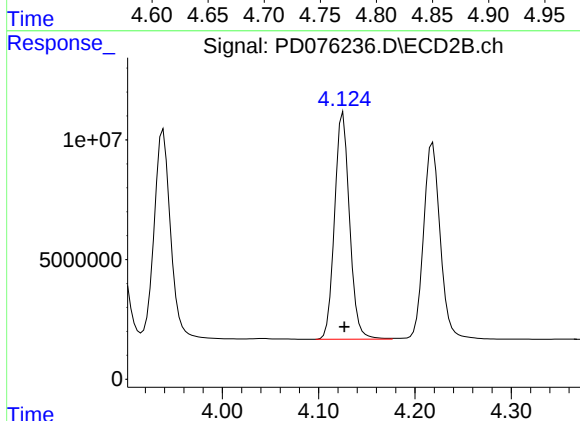
#7 delta-BHC

R.T.: 4.782 min
Delta R.T.: 0.001 min
Response: 235060207
Conc: 70.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PNNL-APM-0621-1MS

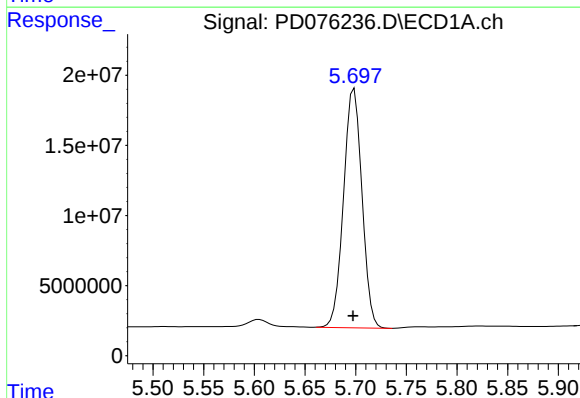
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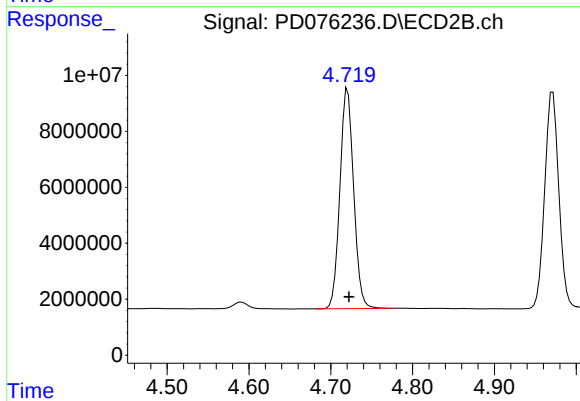
#7 delta-BHC

R.T.: 4.125 min
Delta R.T.: -0.001 min
Response: 102620194
Conc: 70.82 ng/ml



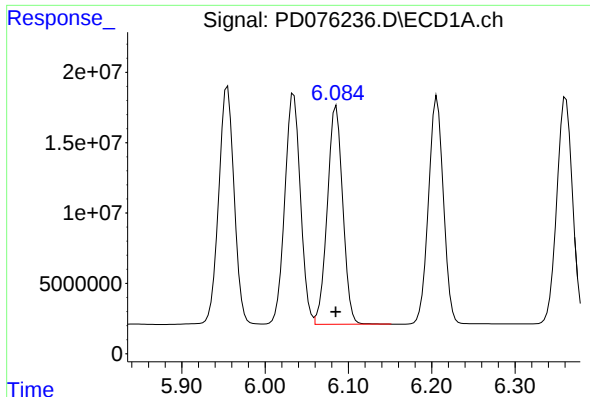
#8 Heptachlor epoxide

R.T.: 5.699 min
Delta R.T.: 0.001 min
Response: 215502653
Conc: 66.88 ng/ml



#8 Heptachlor epoxide

R.T.: 4.721 min
Delta R.T.: -0.002 min
Response: 91575285
Conc: 66.67 ng/ml



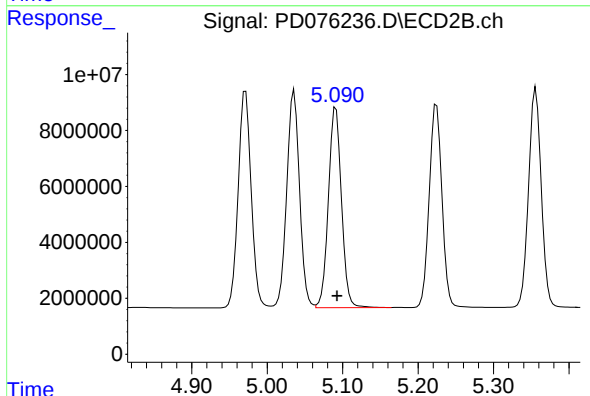
#9 Endosulfan I

R.T.: 6.085 min
Delta R.T.: 0.000 min
Response: 200488114
Conc: 66.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PNNL-APM-0621-1MS

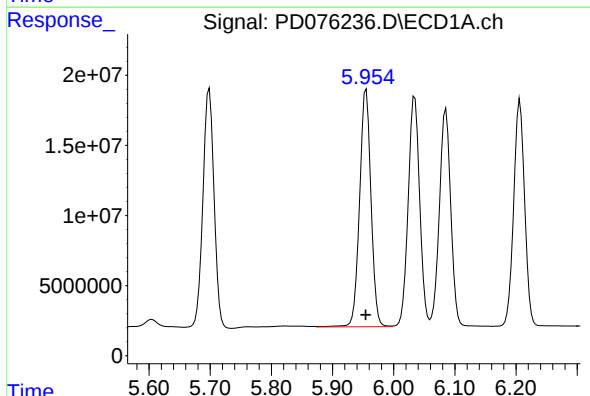
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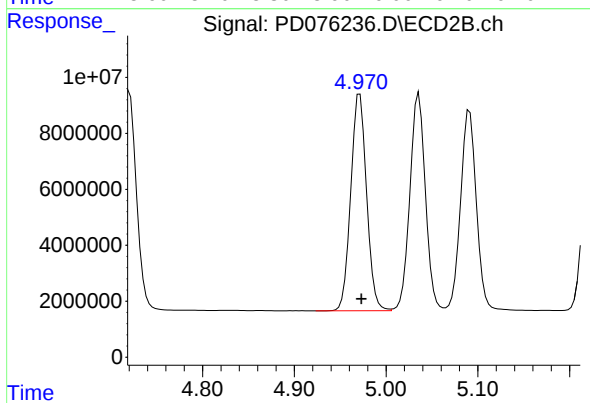
#9 Endosulfan I

R.T.: 5.091 min
Delta R.T.: -0.002 min
Response: 86051454
Conc: 67.32 ng/ml



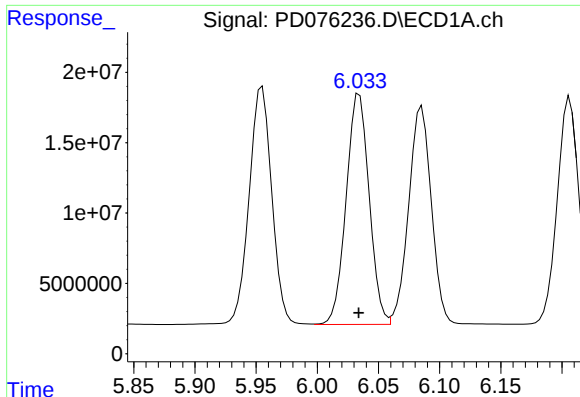
#10 gamma-Chlordane

R.T.: 5.955 min
Delta R.T.: 0.000 min
Response: 219855555
Conc: 68.25 ng/ml



#10 gamma-Chlordane

R.T.: 4.971 min
Delta R.T.: -0.002 min
Response: 92819493
Conc: 67.65 ng/ml



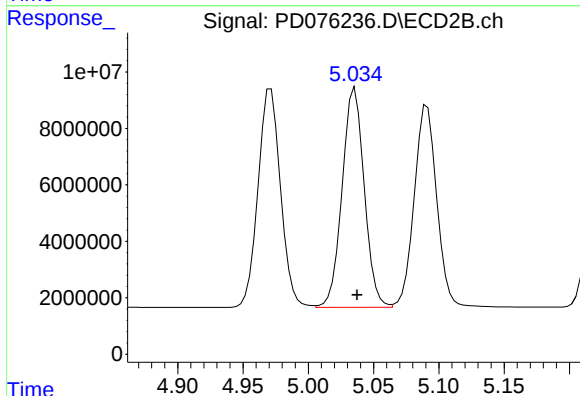
#11 alpha-Chlordane

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 214572417
Conc: 66.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PNNL-APM-0621-1MS

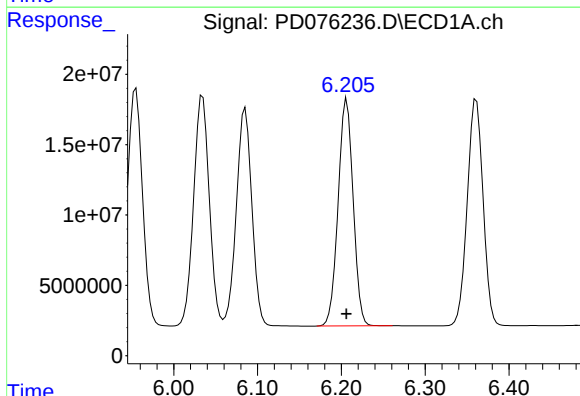
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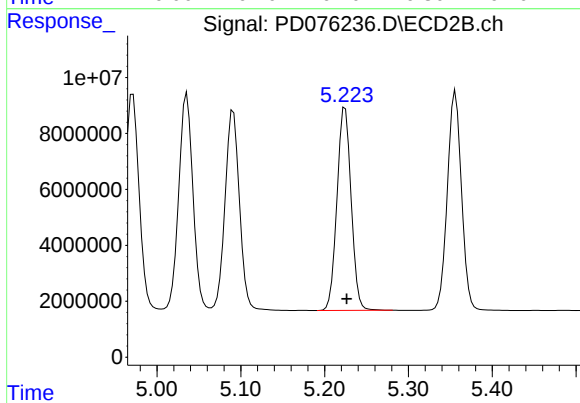
#11 alpha-Chlordane

R.T.: 5.036 min
Delta R.T.: -0.002 min
Response: 91562893
Conc: 66.75 ng/ml



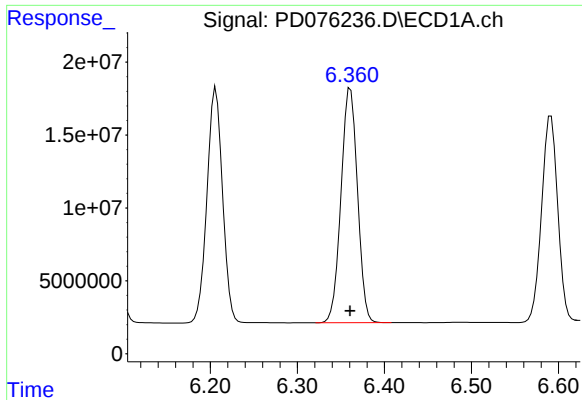
#12 4,4'-DDE

R.T.: 6.206 min
Delta R.T.: 0.000 min
Response: 200836721
Conc: 70.27 ng/ml



#12 4,4'-DDE

R.T.: 5.224 min
Delta R.T.: -0.002 min
Response: 85139485
Conc: 76.28 ng/ml



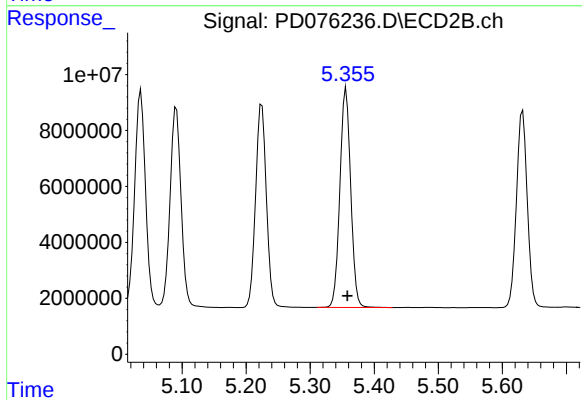
#13 Dieldrin

R.T.: 6.361 min
Delta R.T.: 0.000 min
Response: 211733432
Conc: 67.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PNNL-APM-0621-1MS

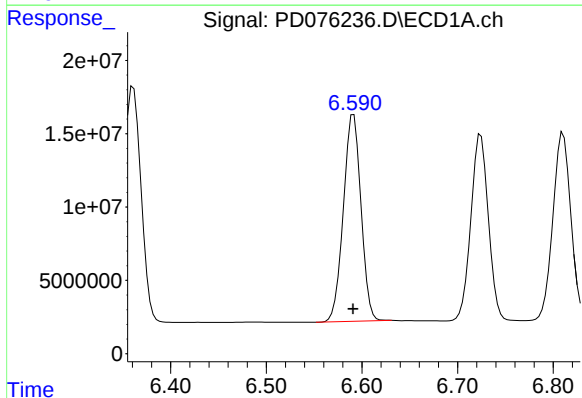
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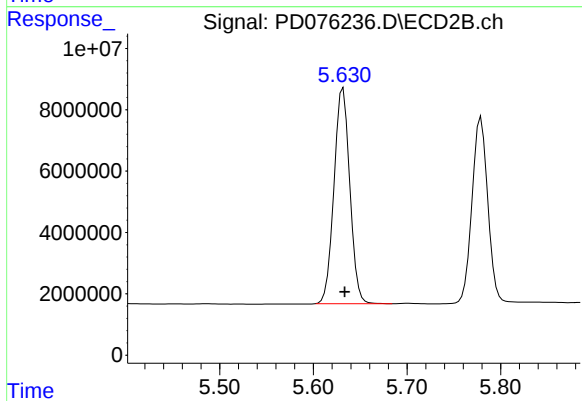
#13 Dieldrin

R.T.: 5.356 min
Delta R.T.: -0.002 min
Response: 91763946
Conc: 68.02 ng/ml



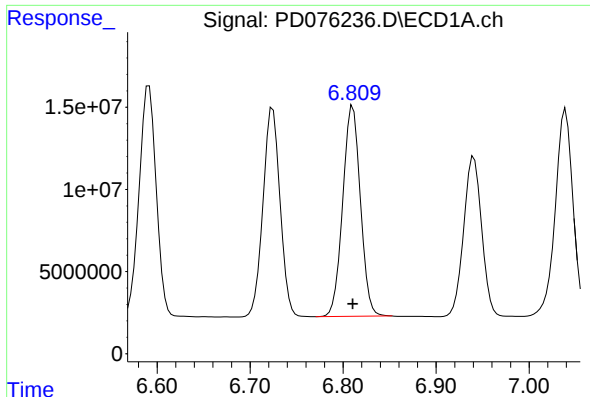
#14 Endrin

R.T.: 6.591 min
Delta R.T.: 0.000 min
Response: 181409481
Conc: 67.83 ng/ml



#14 Endrin

R.T.: 5.632 min
Delta R.T.: -0.001 min
Response: 82663979
Conc: 67.92 ng/ml



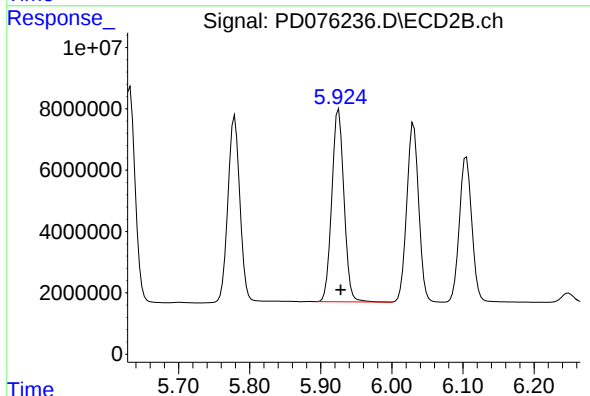
#15 Endosulfan II

R.T.: 6.811 min
Delta R.T.: 0.000 min
Response: 169016132
Conc: 65.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
PNNL-APM-0621-1MS

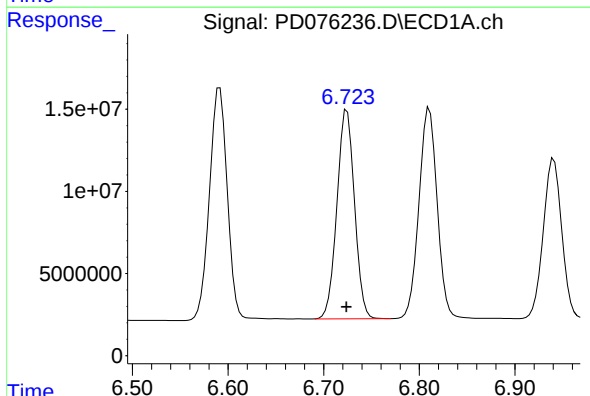
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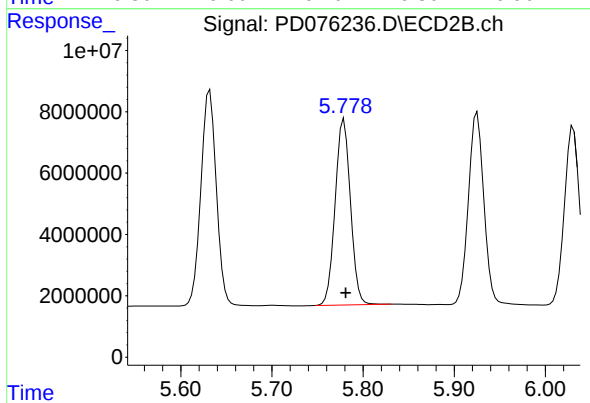
#15 Endosulfan II

R.T.: 5.925 min
Delta R.T.: -0.003 min
Response: 74645906
Conc: 69.19 ng/ml



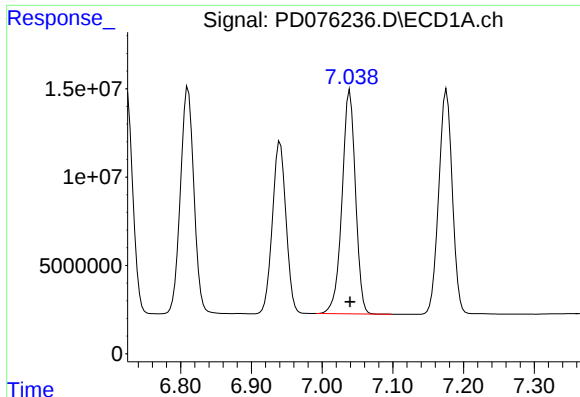
#16 4,4'-DDD

R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 162464787
Conc: 71.39 ng/ml



#16 4,4'-DDD

R.T.: 5.779 min
Delta R.T.: -0.002 min
Response: 70828354
Conc: 80.37 ng/ml



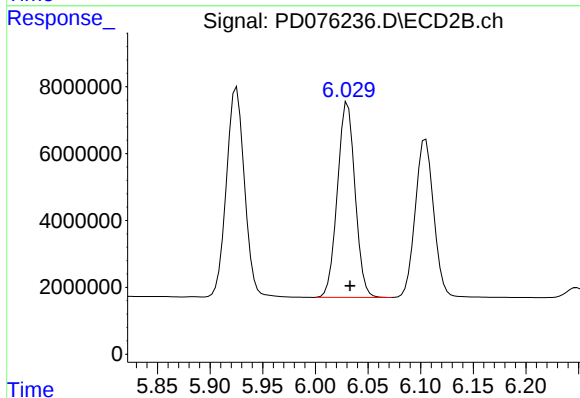
#17 4,4'-DDT

R.T.: 7.039 min
Delta R.T.: 0.000 min
Response: 167088719
Conc: 73.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PNNL-APM-0621-1MS

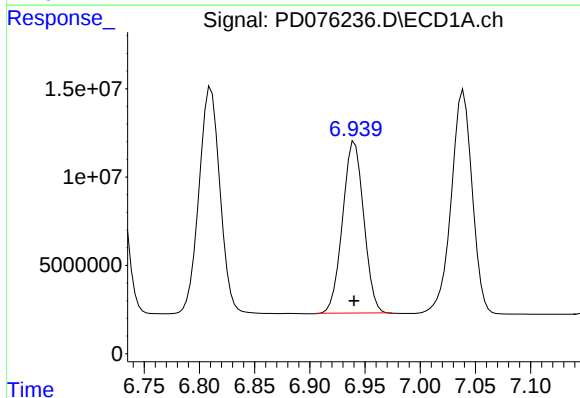
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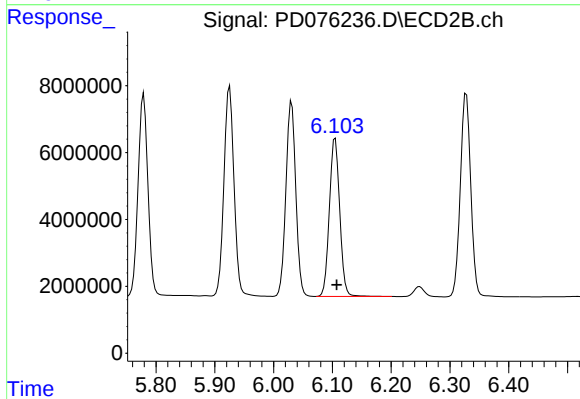
#17 4,4'-DDT

R.T.: 6.031 min
Delta R.T.: -0.002 min
Response: 68241675
Conc: 84.01 ng/ml



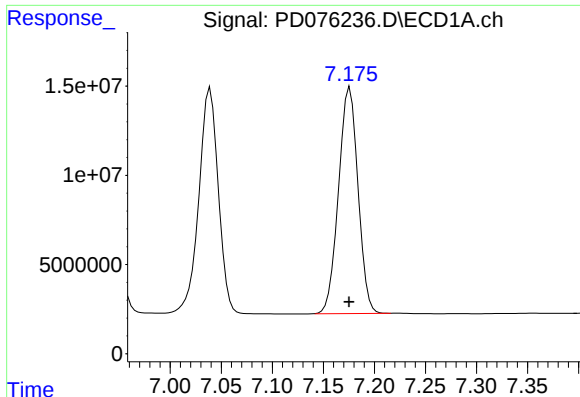
#18 Endrin aldehyde

R.T.: 6.939 min
Delta R.T.: -0.001 min
Response: 129459412
Conc: 64.52 ng/ml m



#18 Endrin aldehyde

R.T.: 6.105 min
Delta R.T.: -0.003 min
Response: 57813560
Conc: 66.80 ng/ml



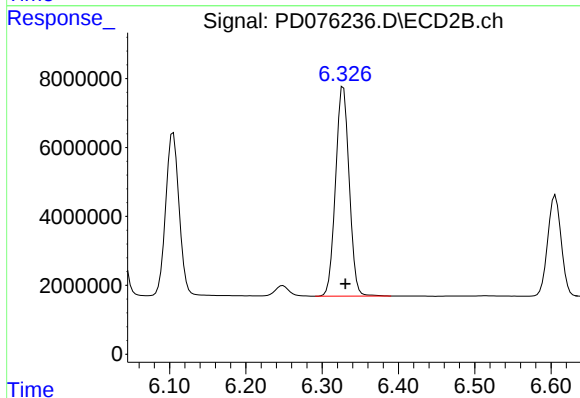
#19 Endosulfan Sulfate

R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 168379674
Conc: 66.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
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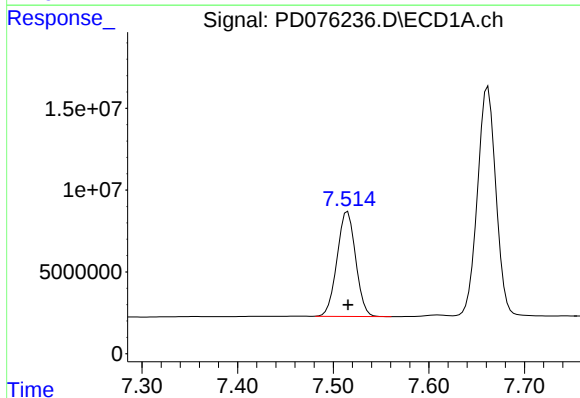
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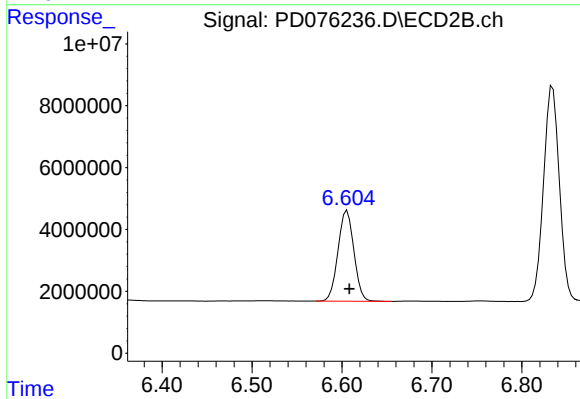
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: -0.003 min
Response: 75183335
Conc: 69.57 ng/ml



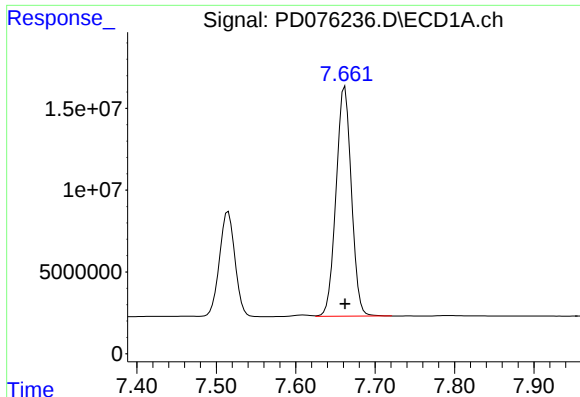
#20 Methoxychlor

R.T.: 7.515 min
Delta R.T.: 0.000 min
Response: 86508430
Conc: 66.83 ng/ml



#20 Methoxychlor

R.T.: 6.606 min
Delta R.T.: -0.002 min
Response: 35958426
Conc: 77.69 ng/ml



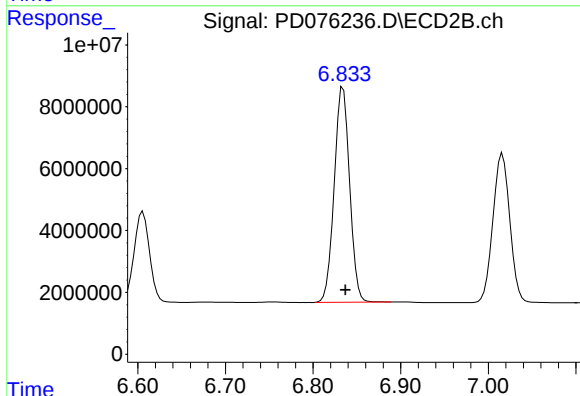
#21 Endrin ketone

R.T.: 7.662 min
Delta R.T.: 0.000 min
Response: 188461848
Conc: 67.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PNNL-APM-0621-1MS

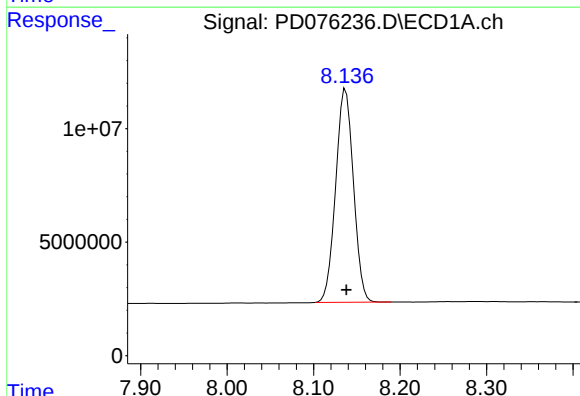
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/03/2023
Supervised By :Ankita Jodhani 07/05/2023



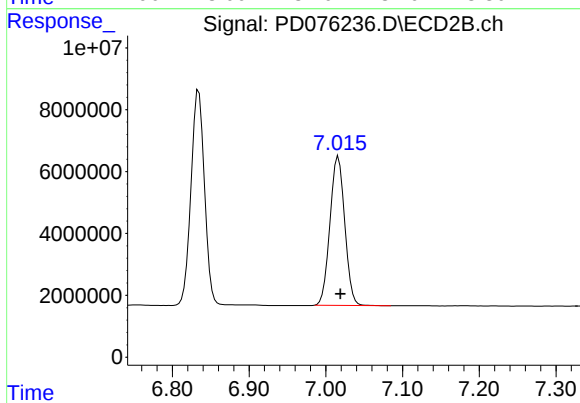
#21 Endrin ketone

R.T.: 6.834 min
Delta R.T.: -0.003 min
Response: 85080175
Conc: 70.03 ng/ml



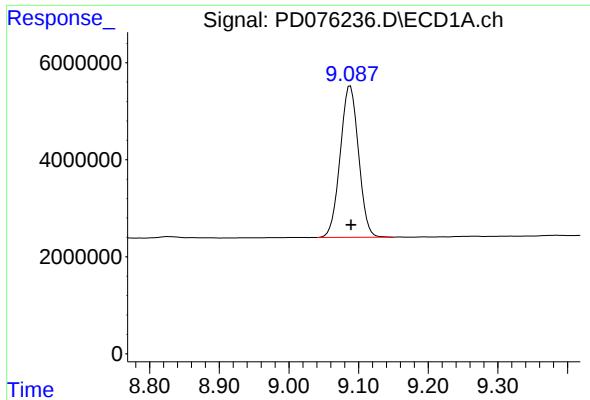
#22 Mirex

R.T.: 8.137 min
Delta R.T.: 0.000 min
Response: 133509829
Conc: 62.31 ng/ml



#22 Mirex

R.T.: 7.016 min
Delta R.T.: -0.003 min
Response: 64410158
Conc: 61.45 ng/ml



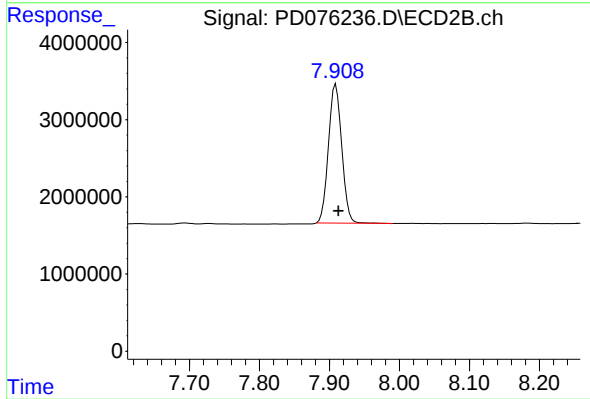
#28 Decachlorobiphenyl

R.T.: 9.088 min
Delta R.T.: 0.000 min
Response: 57138920
Conc: 22.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PNNL-APM-0621-1MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/03/2023
Supervised By :Ankita Jodhani 07/05/2023



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: -0.004 min
Response: 23786083
Conc: 24.33 ng/ml