

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081823\
 Data File : PD077231.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Aug 2023 14:12
 Operator : AR\AJ
 Sample : 03985-02MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PNNL-APM2-0811-1MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/17/2023
 Supervised By :Ankita Jodhani 08/17/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 16 17:59:37 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD080323.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 03 14:17:41 2023
 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...	3.542	2.761	38764053	20322416	16.380	14.920
28) SA Decachlor...	9.087	7.903	50977309	23923995	18.604	16.717
Target Compounds						
2) A alpha-BHC	3.998	3.263	177.7E6	88063495	46.288m	45.526
3) MA gamma-BHC...	4.333	3.592	165.1E6	82179787	44.843	44.174
4) MA Heptachlor	4.924	3.932	178.9E6	85469032	49.618	47.047
5) MB Aldrin	5.268	4.212	165.1E6	82114182	44.675	44.347
6) B beta-BHC	4.531	3.890	63151384	33009513	41.966	43.268
7) B delta-BHC	4.779	4.119	159.3E6	78376295	45.661	44.050
8) B Heptachlo...	5.695	4.714	152.4E6	73572411	46.034	43.996
9) A Endosulfan I	6.082	5.085	141.1E6	68716220	46.441	44.050
10) B gamma-Chl...	5.952	4.964	148.9E6	73645212	45.746	44.396
11) B alpha-Chl...	6.032	5.028	149.8E6	78183089	45.694	46.817
12) B 4,4'-DDE	6.205	5.218	133.0E6	66860261	44.841	46.105
13) MA Dieldrin	6.359	5.350	150.6E6	73536671	45.999	43.653
14) MA Endrin	6.589	5.625	127.4E6	66418062	45.862	45.392
15) B Endosulfa...	6.809	5.920	118.5E6	59717664	37.244	40.513
16) A 4,4'-DDD	6.723	5.773	108.6E6	51164731	46.180	46.008
17) MA 4,4'-DDT	7.039	6.025	118.0E6	54196887	48.536	48.757
18) B Endrin al...	6.939	6.100	92909229	47095855	42.531	41.370
19) B Endosulfa...	7.175	6.322	118.7E6	59882207	45.556	44.899
20) A Methoxychlor	7.515	6.600	62755396	27493192	44.292	45.980
21) B Endrin ke...	7.662	6.830	135.3E6	69036074	44.930	43.542
22) Mirex	8.136	7.010	101.8E6	55579329	44.619	42.925

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081823\
 Data File : PD077231.D
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 Acq On : 16 Aug 2023 14:12
 Operator : AR\AJ
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 Misc :
 ALS Vial : 6 Sample Multiplier: 1

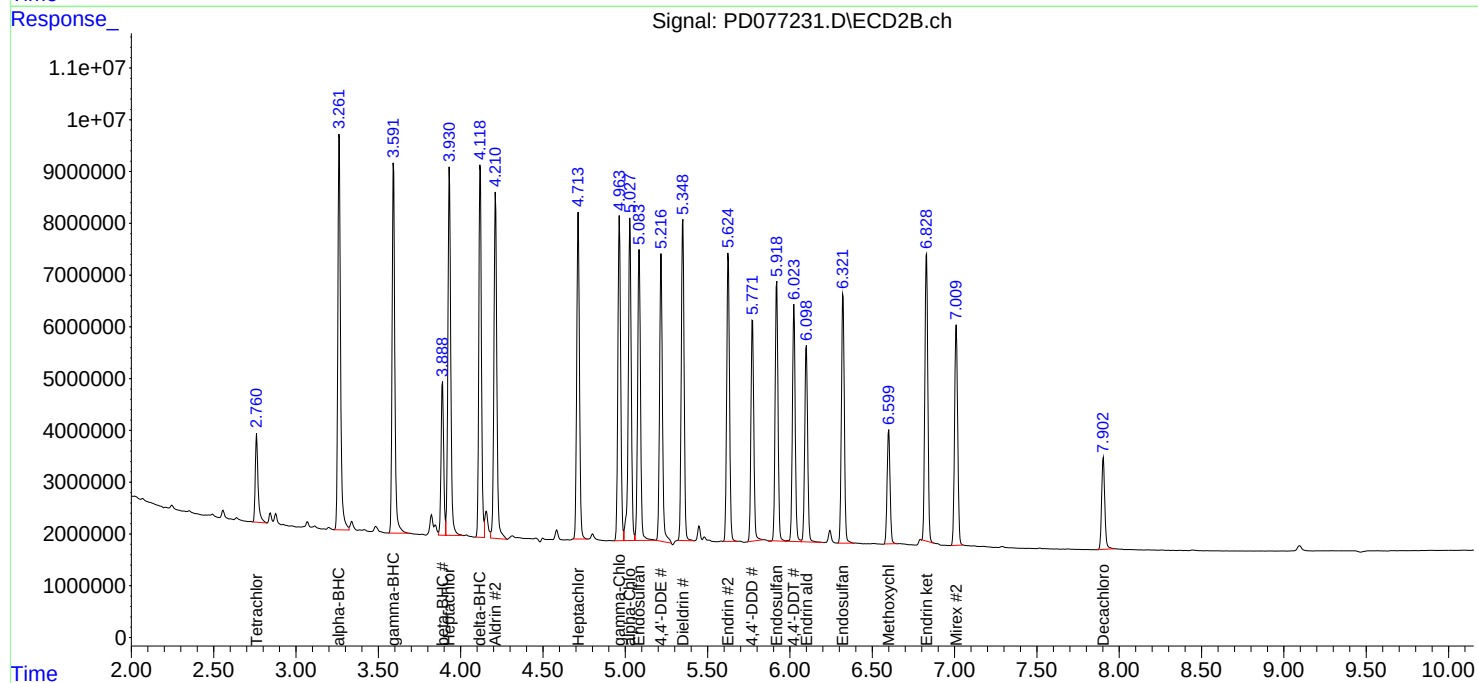
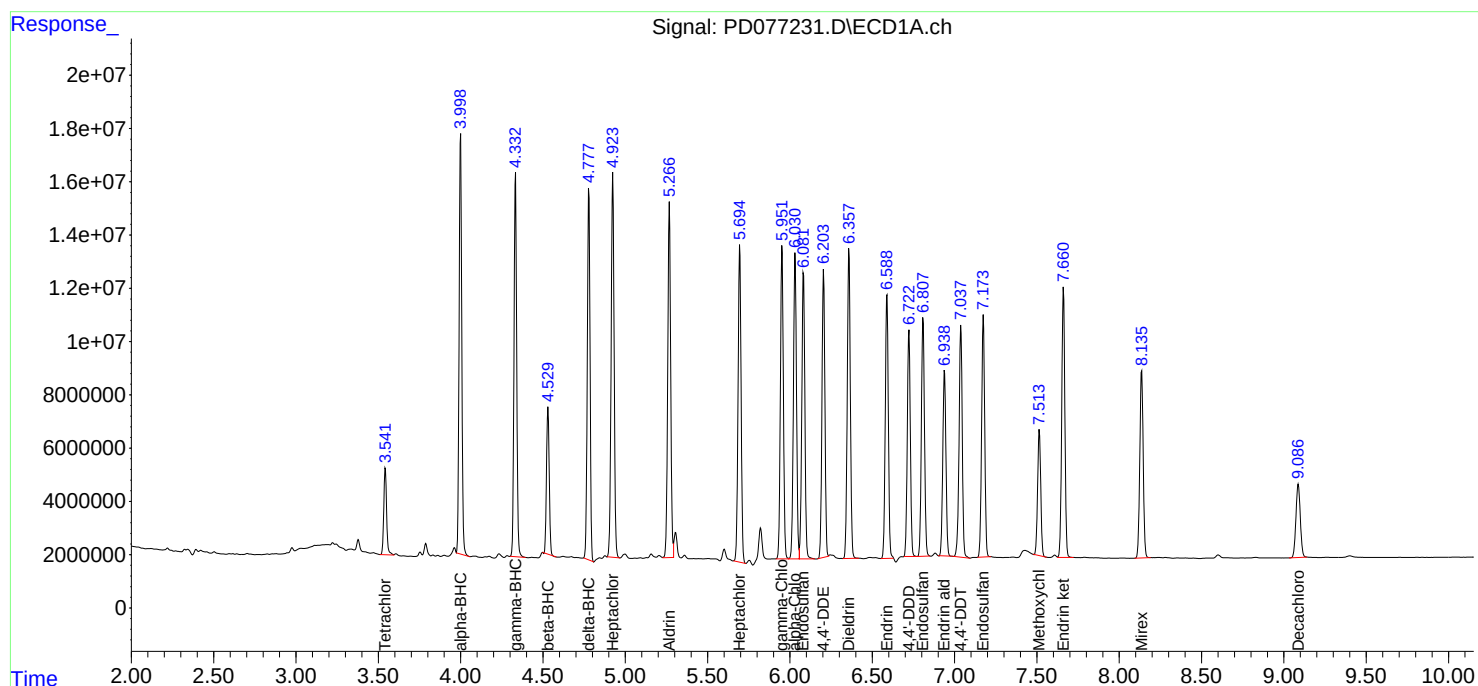
Instrument :
 ECD_D
 ClientSampleId :
 PNNL-APM2-0811-1MSD

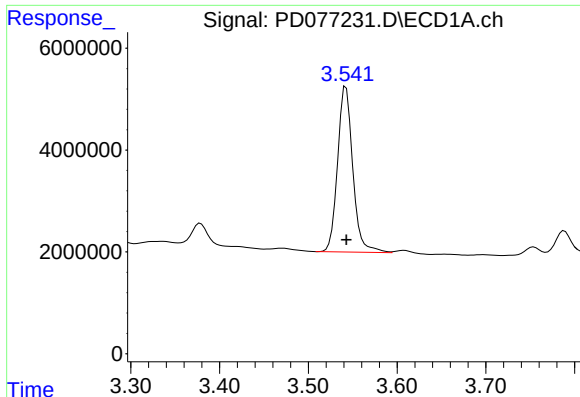
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Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 16 17:59:37 2023
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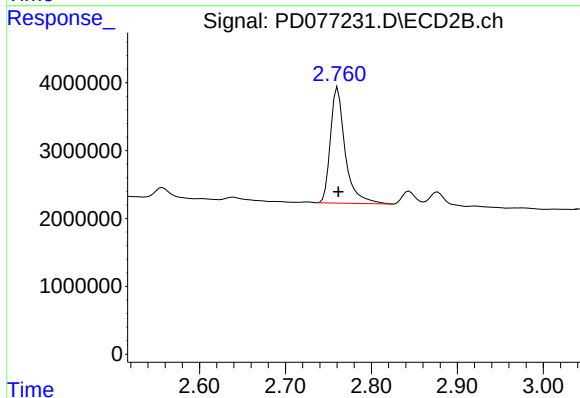
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: 0.000 min
Response: 38764053
Conc: 16.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
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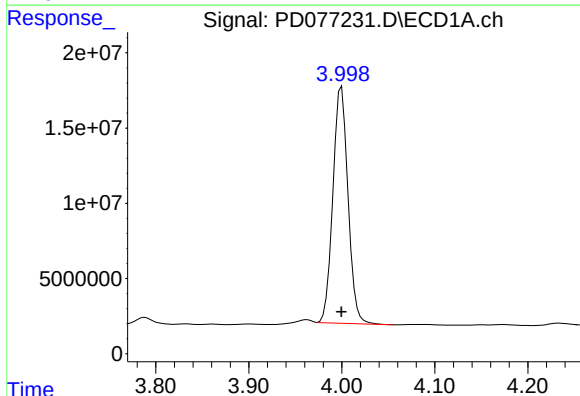
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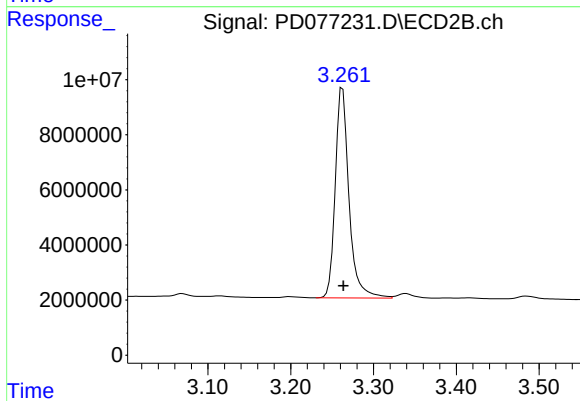
#1 Tetrachloro-m-xylene

R.T.: 2.761 min
Delta R.T.: 0.000 min
Response: 20322416
Conc: 14.92 ng/ml



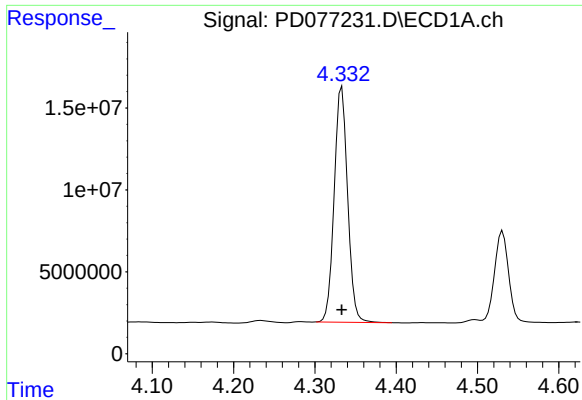
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: -0.001 min
Response: 177732495
Conc: 46.29 ng/ml m



#2 alpha-BHC

R.T.: 3.263 min
Delta R.T.: -0.001 min
Response: 88063495
Conc: 45.53 ng/ml



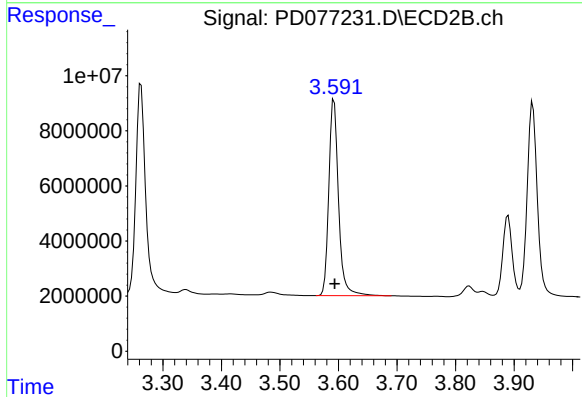
#3 gamma-BHC (Lindane)

R.T.: 4.333 min
Delta R.T.: 0.000 min
Response: 165055816
Conc: 44.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PNNL-APM2-0811-1MSD

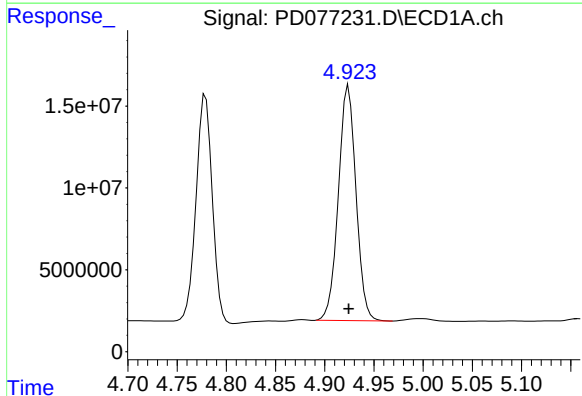
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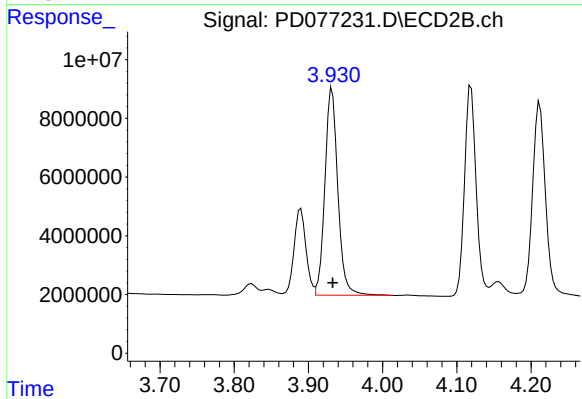
#3 gamma-BHC (Lindane)

R.T.: 3.592 min
Delta R.T.: -0.001 min
Response: 82179787
Conc: 44.17 ng/ml



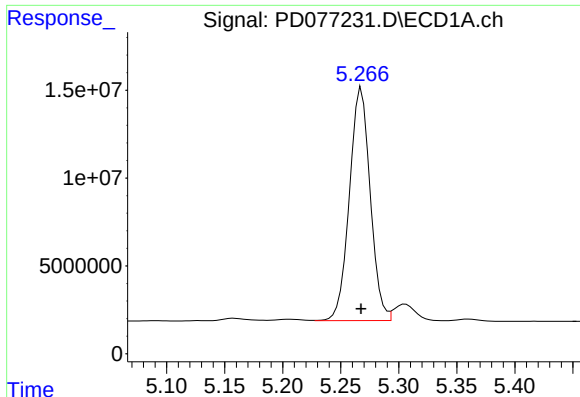
#4 Heptachlor

R.T.: 4.924 min
Delta R.T.: 0.000 min
Response: 178922697
Conc: 49.62 ng/ml



#4 Heptachlor

R.T.: 3.932 min
Delta R.T.: -0.001 min
Response: 85469032
Conc: 47.05 ng/ml



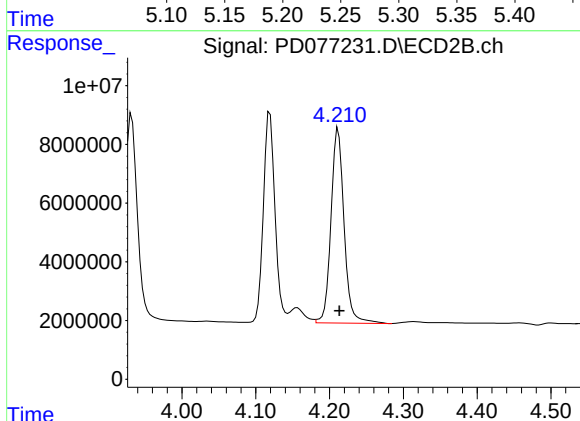
#5 Aldrin

R.T.: 5.268 min
Delta R.T.: 0.000 min
Response: 165101294
Conc: 44.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PNNL-APM2-0811-1MSD

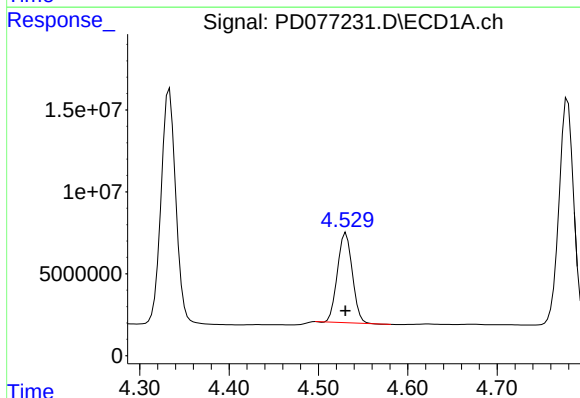
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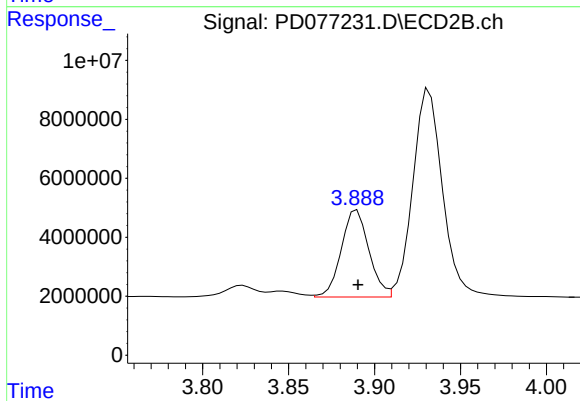
#5 Aldrin

R.T.: 4.212 min
Delta R.T.: -0.002 min
Response: 82114182
Conc: 44.35 ng/ml



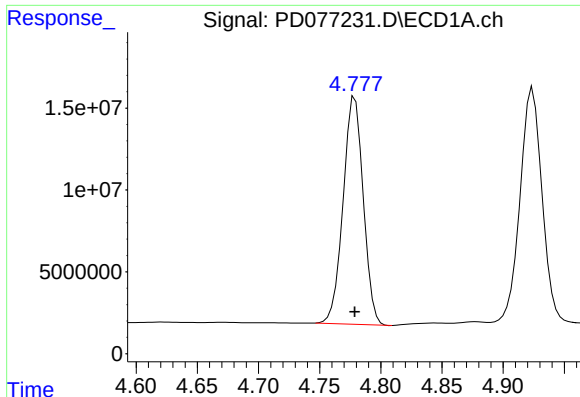
#6 beta-BHC

R.T.: 4.531 min
Delta R.T.: 0.000 min
Response: 63151384
Conc: 41.97 ng/ml



#6 beta-BHC

R.T.: 3.890 min
Delta R.T.: 0.000 min
Response: 33009513
Conc: 43.27 ng/ml



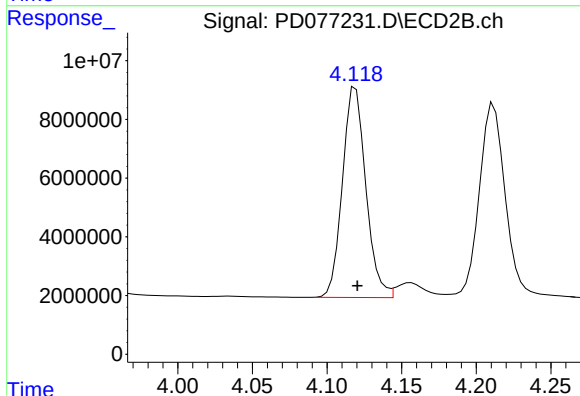
#7 delta-BHC

R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 159295546
Conc: 45.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PNNL-APM2-0811-1MSD

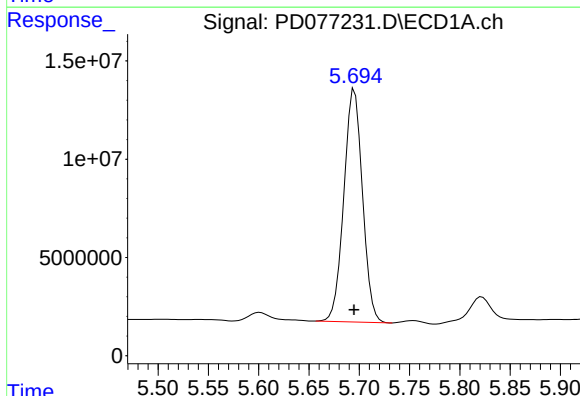
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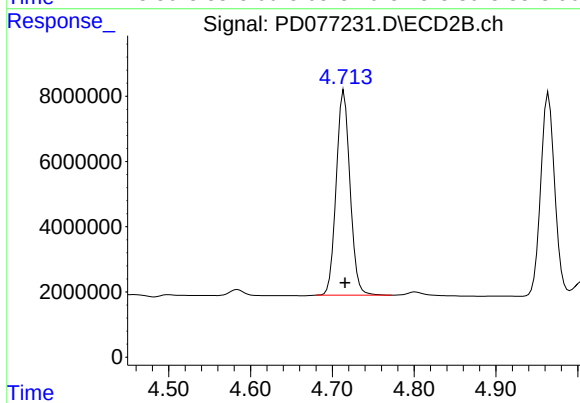
#7 delta-BHC

R.T.: 4.119 min
Delta R.T.: -0.001 min
Response: 78376295
Conc: 44.05 ng/ml



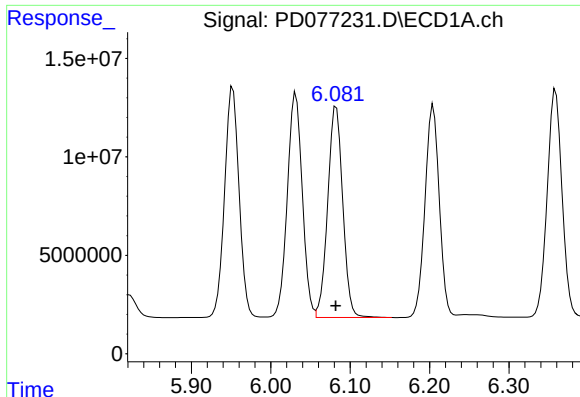
#8 Heptachlor epoxide

R.T.: 5.695 min
Delta R.T.: 0.000 min
Response: 152427576
Conc: 46.03 ng/ml



#8 Heptachlor epoxide

R.T.: 4.714 min
Delta R.T.: -0.001 min
Response: 73572411
Conc: 44.00 ng/ml



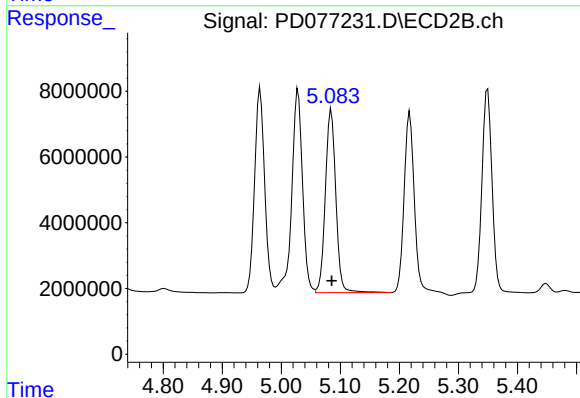
#9 Endosulfan I

R.T.: 6.082 min
Delta R.T.: 0.000 min
Response: 141141708
Conc: 46.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PNNL-APM2-0811-1MSD

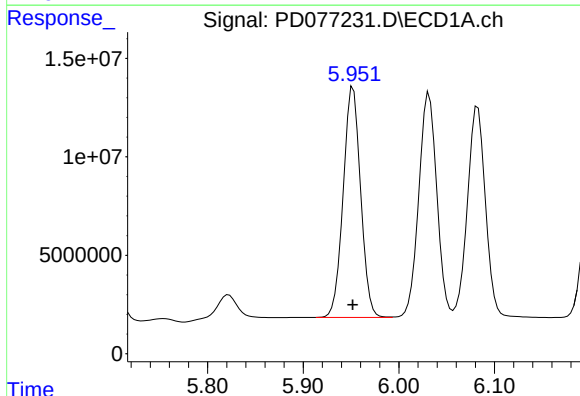
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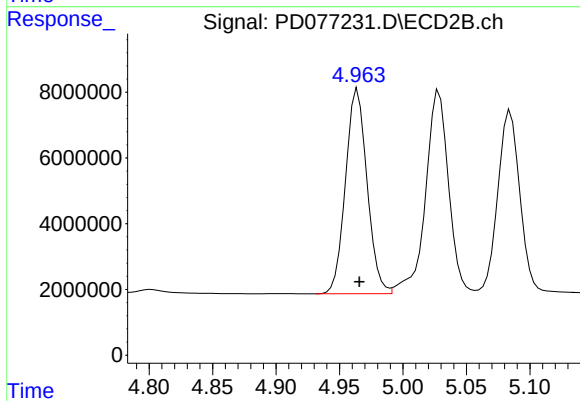
#9 Endosulfan I

R.T.: 5.085 min
Delta R.T.: -0.001 min
Response: 68716220
Conc: 44.05 ng/ml



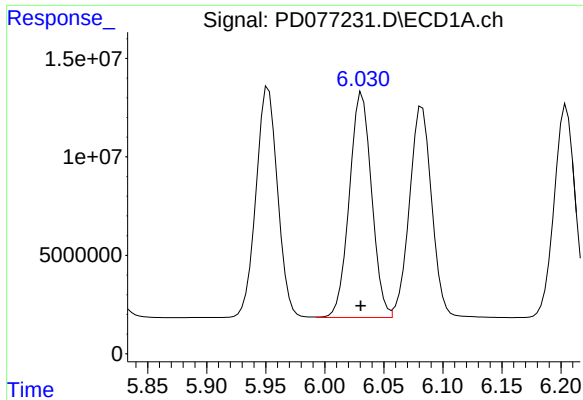
#10 gamma-Chlordane

R.T.: 5.952 min
Delta R.T.: 0.000 min
Response: 148889415
Conc: 45.75 ng/ml



#10 gamma-Chlordane

R.T.: 4.964 min
Delta R.T.: -0.002 min
Response: 73645212
Conc: 44.40 ng/ml



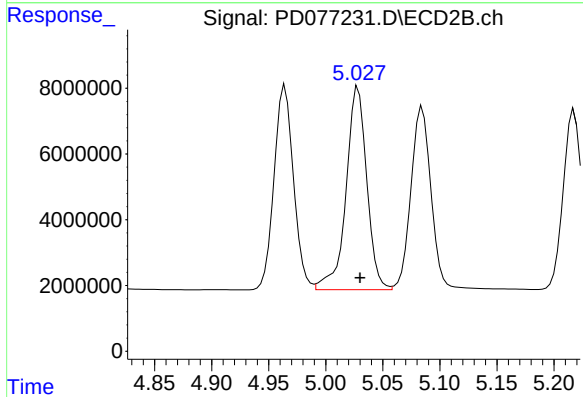
#11 alpha-Chlordane

R.T.: 6.032 min
Delta R.T.: 0.001 min
Response: 149839031
Conc: 45.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PNNL-APM2-0811-1MSD

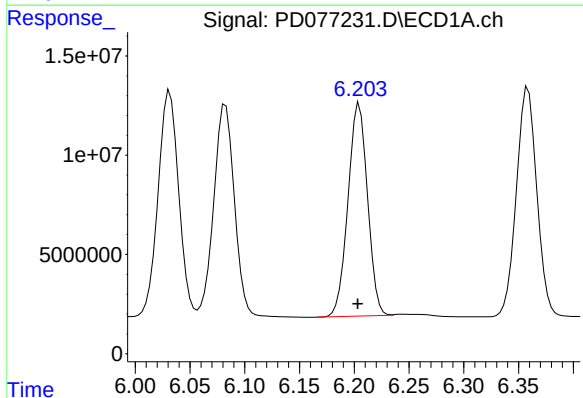
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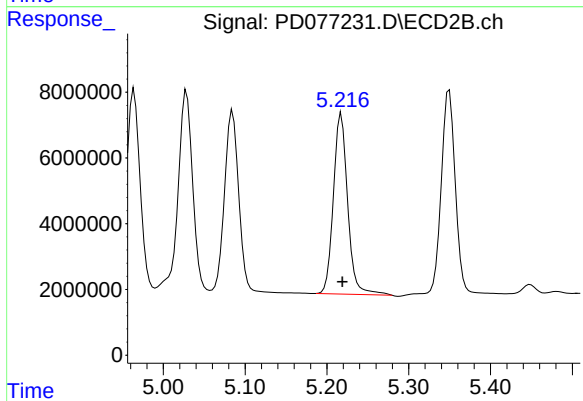
#11 alpha-Chlordane

R.T.: 5.028 min
Delta R.T.: -0.001 min
Response: 78183089
Conc: 46.82 ng/ml



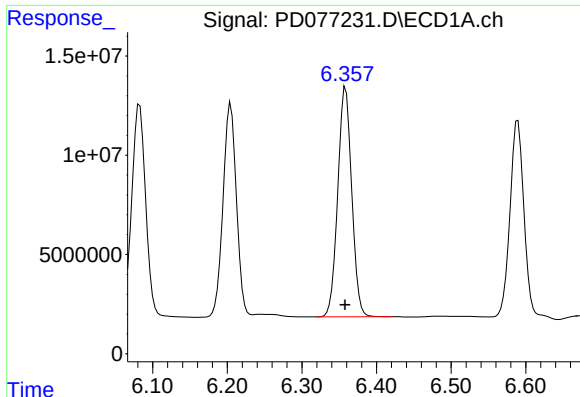
#12 4,4'-DDE

R.T.: 6.205 min
Delta R.T.: 0.001 min
Response: 133018895
Conc: 44.84 ng/ml



#12 4,4'-DDE

R.T.: 5.218 min
Delta R.T.: -0.001 min
Response: 66860261
Conc: 46.11 ng/ml



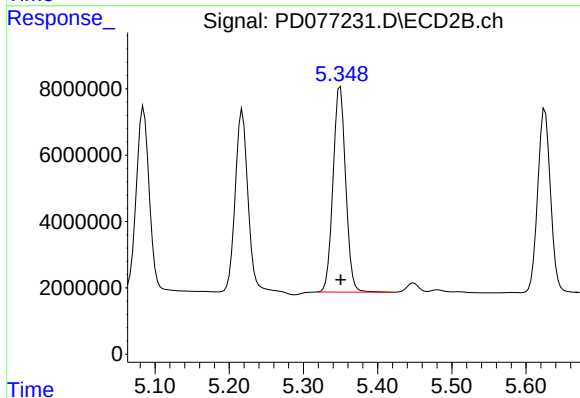
#13 Dieldrin

R.T.: 6.359 min
Delta R.T.: 0.000 min
Response: 150590453
Conc: 46.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PNNL-APM2-0811-1MSD

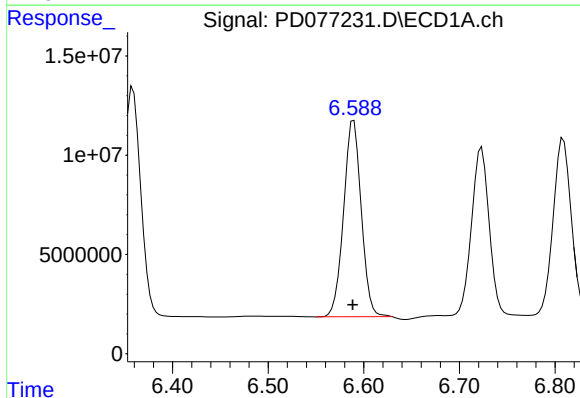
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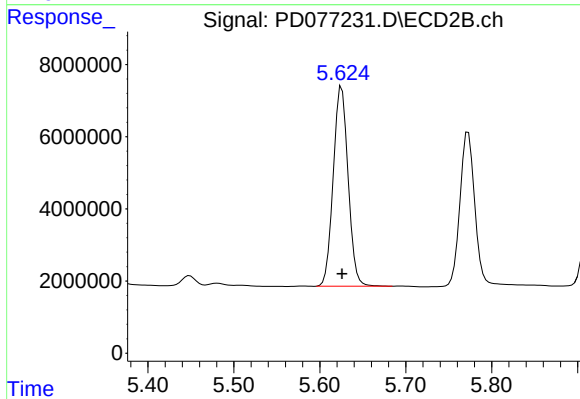
#13 Dieldrin

R.T.: 5.350 min
Delta R.T.: 0.000 min
Response: 73536671
Conc: 43.65 ng/ml



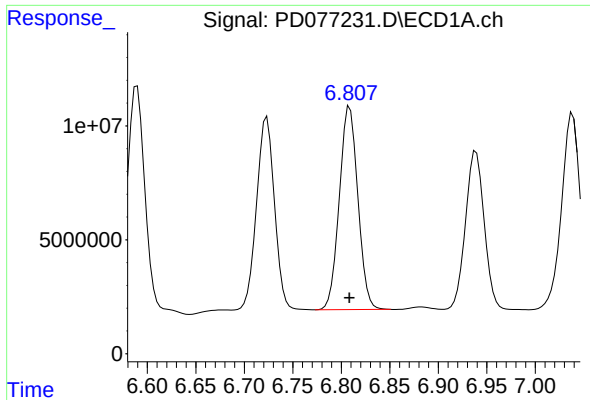
#14 Endrin

R.T.: 6.589 min
Delta R.T.: 0.001 min
Response: 127435749
Conc: 45.86 ng/ml



#14 Endrin

R.T.: 5.625 min
Delta R.T.: 0.000 min
Response: 66418062
Conc: 45.39 ng/ml



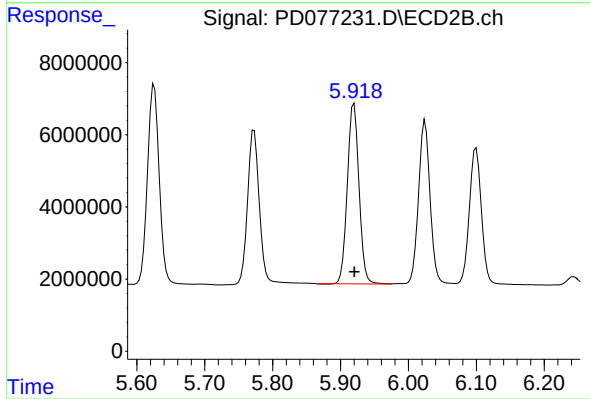
#15 Endosulfan II

R.T.: 6.809 min
Delta R.T.: 0.000 min
Response: 118502573
Conc: 37.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
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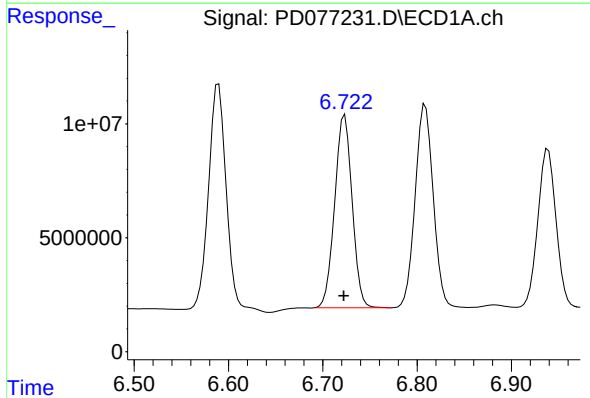
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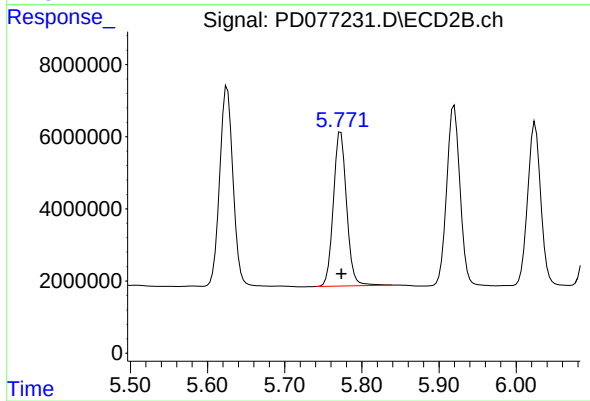
#15 Endosulfan II

R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 59717664
Conc: 40.51 ng/ml



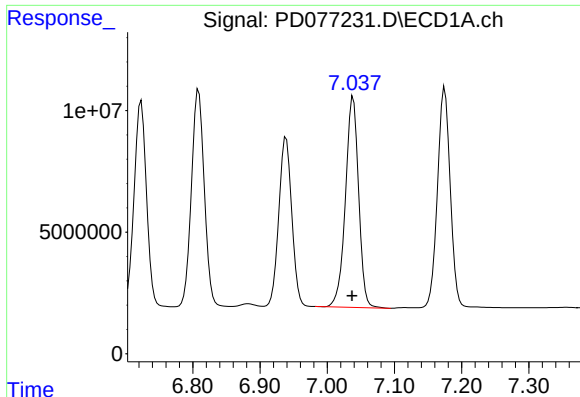
#16 4,4'-DDD

R.T.: 6.723 min
Delta R.T.: 0.001 min
Response: 108642125
Conc: 46.18 ng/ml



#16 4,4'-DDD

R.T.: 5.773 min
Delta R.T.: 0.000 min
Response: 51164731
Conc: 46.01 ng/ml



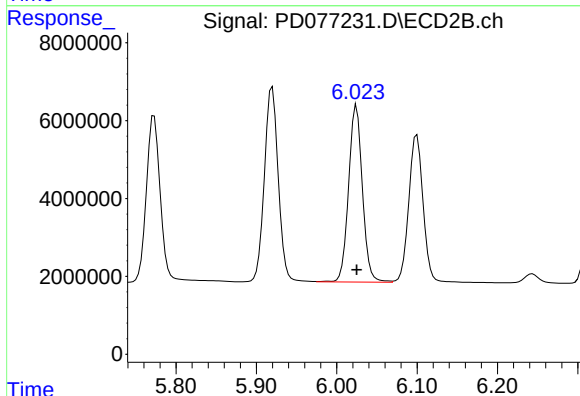
#17 4,4'-DDT

R.T.: 7.039 min
Delta R.T.: 0.001 min
Response: 118022080
Conc: 48.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
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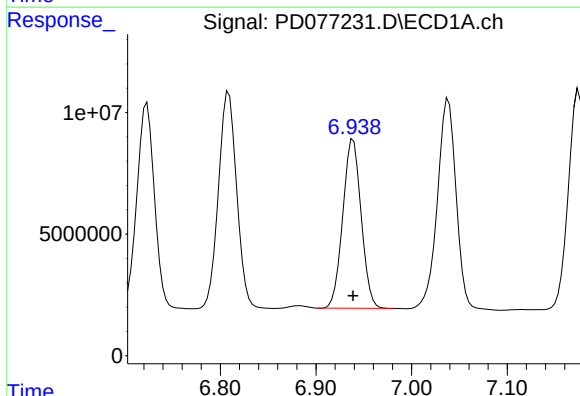
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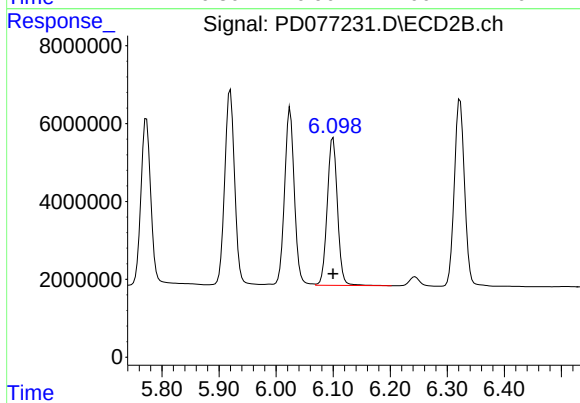
#17 4,4'-DDT

R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 54196887
Conc: 48.76 ng/ml



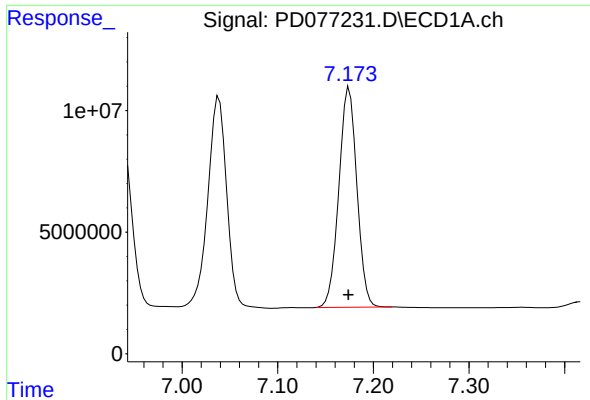
#18 Endrin aldehyde

R.T.: 6.939 min
Delta R.T.: 0.000 min
Response: 92909229
Conc: 42.53 ng/ml



#18 Endrin aldehyde

R.T.: 6.100 min
Delta R.T.: 0.000 min
Response: 47095855
Conc: 41.37 ng/ml



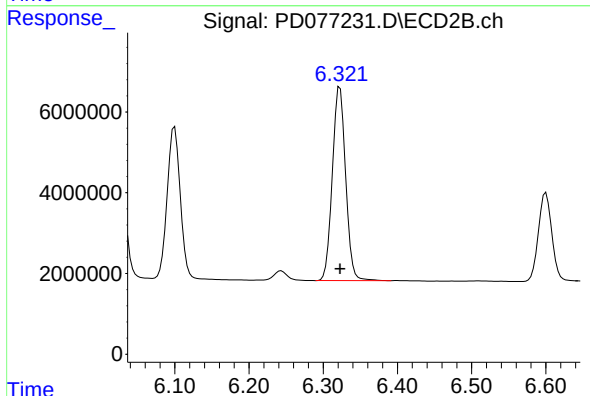
#19 Endosulfan Sulfate

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 118692955
Conc: 45.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PNNL-APM2-0811-1MSD

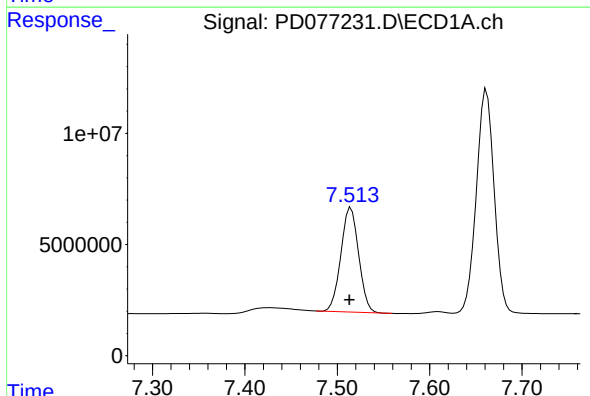
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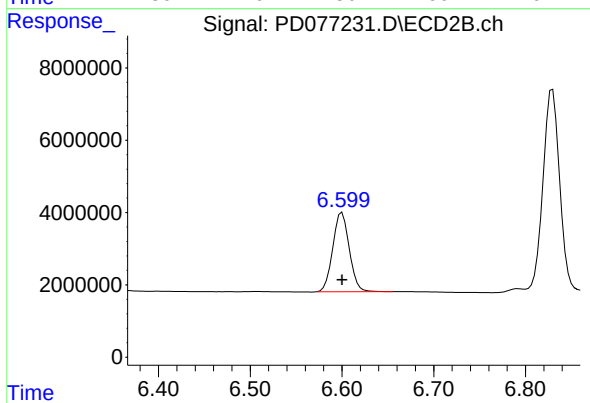
#19 Endosulfan Sulfate

R.T.: 6.322 min
Delta R.T.: 0.000 min
Response: 59882207
Conc: 44.90 ng/ml



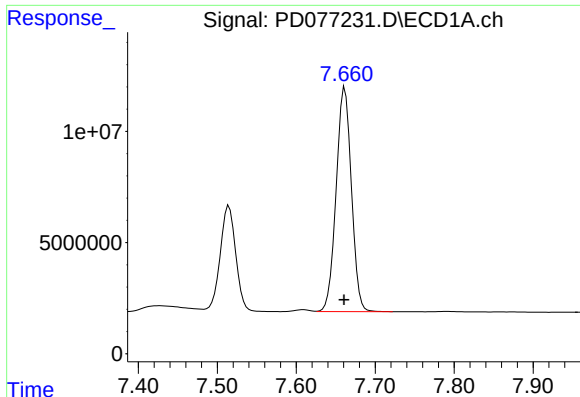
#20 Methoxychlor

R.T.: 7.515 min
Delta R.T.: 0.001 min
Response: 62755396
Conc: 44.29 ng/ml



#20 Methoxychlor

R.T.: 6.600 min
Delta R.T.: 0.000 min
Response: 27493192
Conc: 45.98 ng/ml



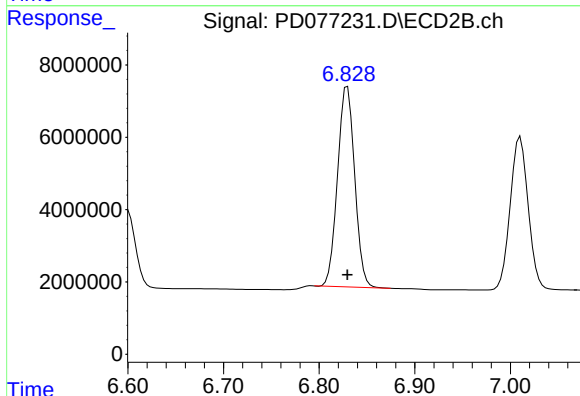
#21 Endrin ketone

R.T.: 7.662 min
Delta R.T.: 0.001 min
Response: 135317498
Conc: 44.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
PNNL-APM2-0811-1MSD

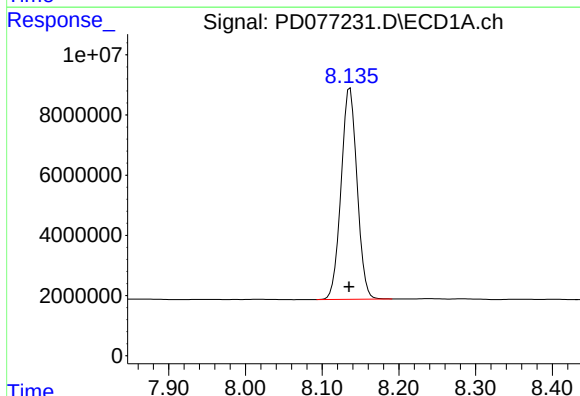
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/17/2023
Supervised By :Ankita Jodhani 08/17/2023



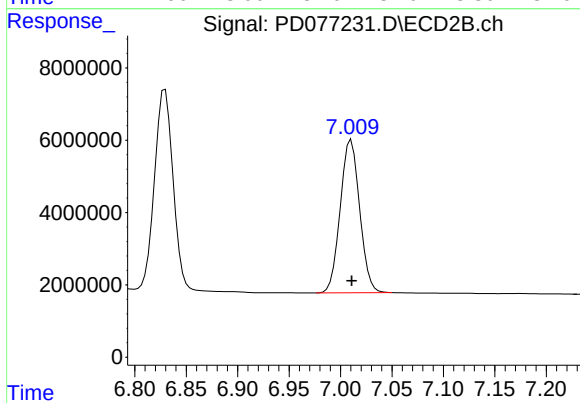
#21 Endrin ketone

R.T.: 6.830 min
Delta R.T.: 0.000 min
Response: 69036074
Conc: 43.54 ng/ml



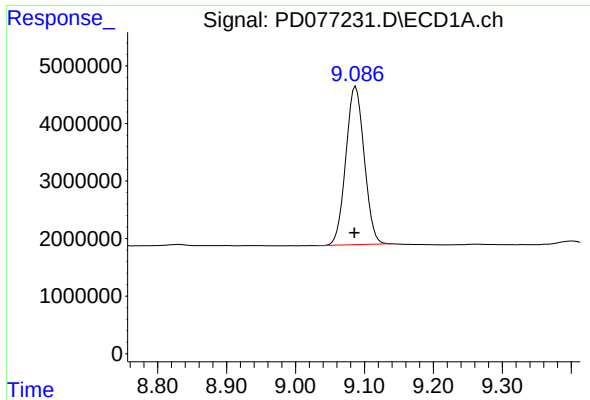
#22 Mirex

R.T.: 8.136 min
Delta R.T.: 0.000 min
Response: 101771256
Conc: 44.62 ng/ml



#22 Mirex

R.T.: 7.010 min
Delta R.T.: 0.000 min
Response: 55579329
Conc: 42.93 ng/ml



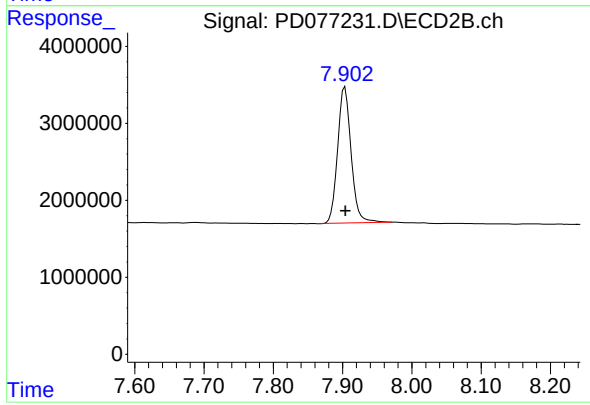
#28 Decachlorobiphenyl

R.T.: 9.087 min
Delta R.T.: 0.002 min
Response: 50977309
Conc: 18.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
PNNL-APM2-0811-1MSD

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#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: 0.000 min
Response: 23923995
Conc: 16.72 ng/ml