

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD063023\
 Data File : PD076237.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Jun 2023 12:26
 Operator : AR\AJ
 Sample : 03428-02MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

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 00:23:36 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...	3.546	2.767	45333502	22902386	21.282	21.110
28)	SA Decachlor...	9.086	7.909	56797242	23623480	22.420	24.160
Target Compounds							
2)	A alpha-BHC	4.003	3.269	252.3E6	109.0E6	68.334	68.130
3)	MA gamma-BHC...	4.336	3.599	231.5E6	100.7E6	68.805	68.367
4)	MA Heptachlor	4.927	3.938	241.7E6	101.3E6	67.380	66.709
5)	MB Aldrin	5.269	4.218	232.2E6	97139113	66.272	65.142
6)	B beta-BHC	4.532	3.895	93421642	41742688	64.979	65.488
7)	B delta-BHC	4.781	4.125	231.9E6	100.5E6	69.768	69.336
8)	B Heptachlo...	5.697	4.720	211.8E6	89448304	65.719	65.118
9)	A Endosulfan I	6.084	5.091	197.9E6	84047630	65.978	65.754
10)	B gamma-Chl...	5.954	4.971	216.8E6	90724439	67.286	66.120
11)	B alpha-Chl...	6.033	5.035	211.7E6	89368361	65.487	65.148
12)	B 4,4'-DDE	6.205	5.224	197.6E6	83213644	69.145	74.553
13)	MA Dieldrin	6.360	5.356	209.5E6	89552587	67.032	66.376
14)	MA Endrin	6.591	5.632	178.8E6	80834064	66.871	66.421
15)	B Endosulfa...	6.809	5.925	167.5E6	72963066	64.823	67.630
16)	A 4,4'-DDD	6.723	5.779	160.8E6	69691237	70.662	79.080
17)	MA 4,4'-DDT	7.038	6.030	164.6E6	66661358	72.518	82.066
18)	B Endrin al...	6.938	6.105	130.7E6	56455019	65.153m	65.229
19)	B Endosulfa...	7.175	6.328	166.8E6	73513026	66.208	68.029
20)	A Methoxychlor	7.514	6.605	85825327	35446159	66.305	76.584
21)	B Endrin ke...	7.661	6.834	187.3E6	83490201	67.216	68.719
22)	Mirex	8.136	7.016	133.2E6	62823149	62.164	59.933

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD063023\
 Data File : PD076237.D
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 Acq On : 30 Jun 2023 12:26
 Operator : AR\AJ
 Sample : 03428-02MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

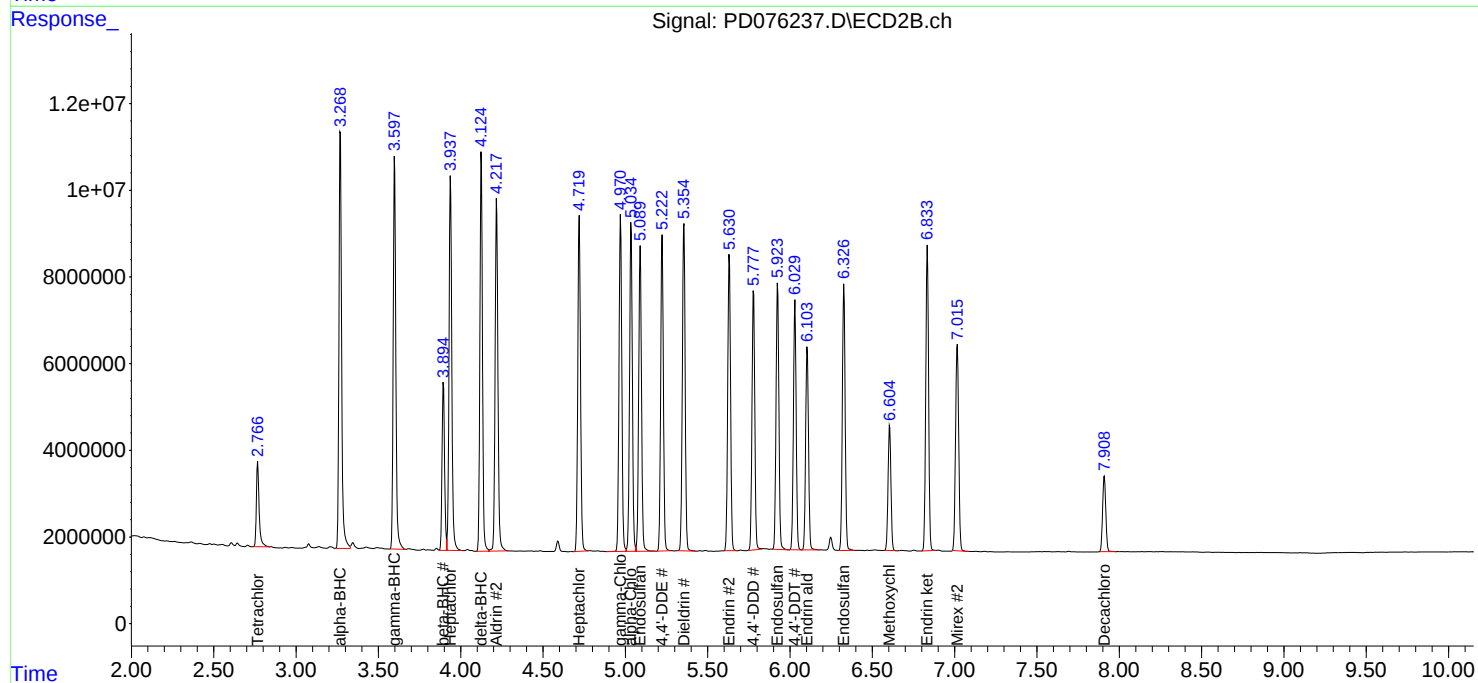
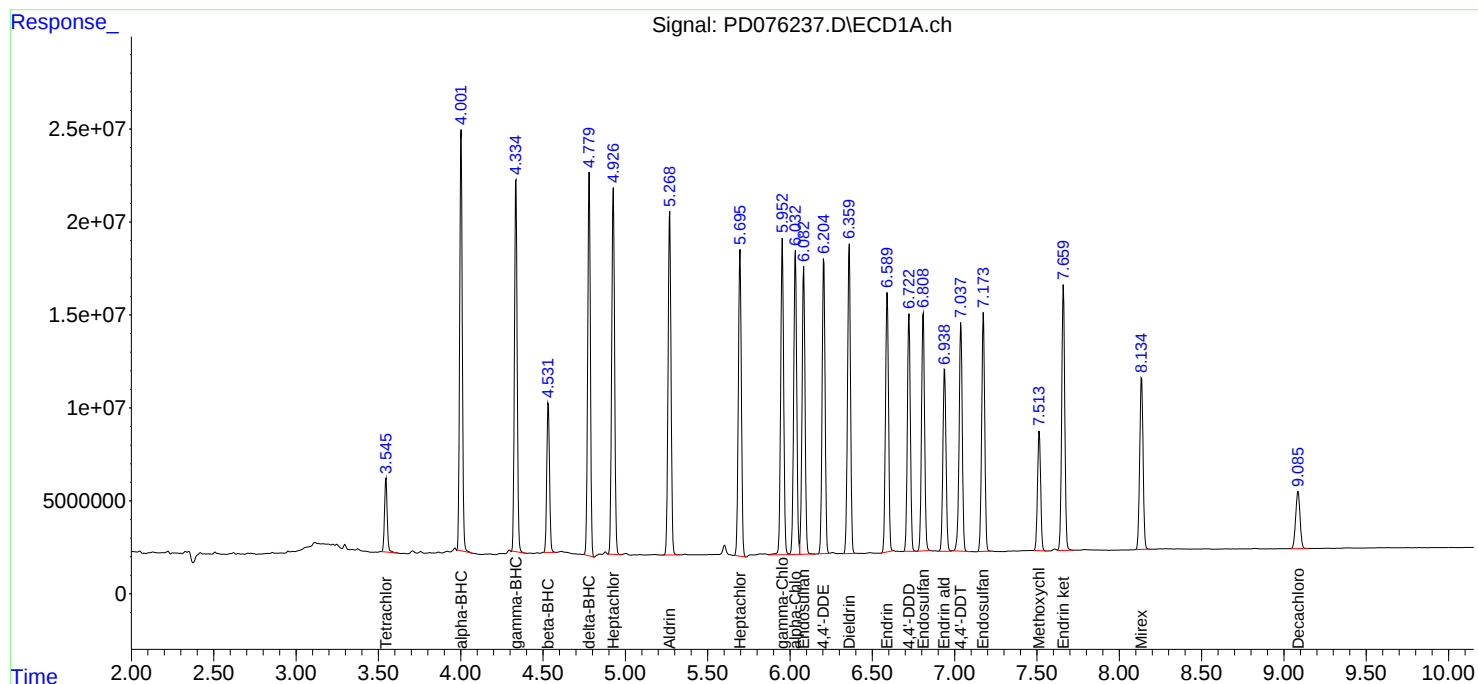
Instrument :
 ECD_D
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 PNNL-APM-0621-1MSD

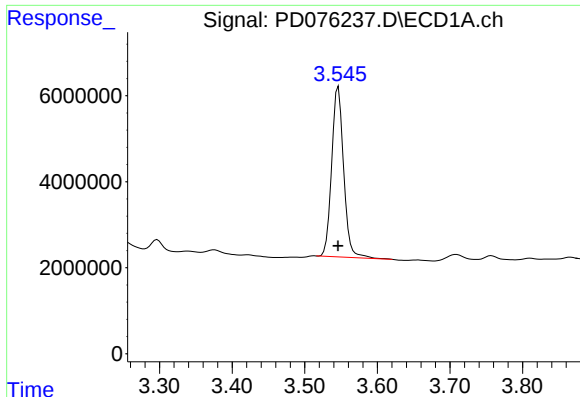
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Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 00:23:36 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061523.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 16 10:43:19 2023
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Volume Inj. : 2 µl
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 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





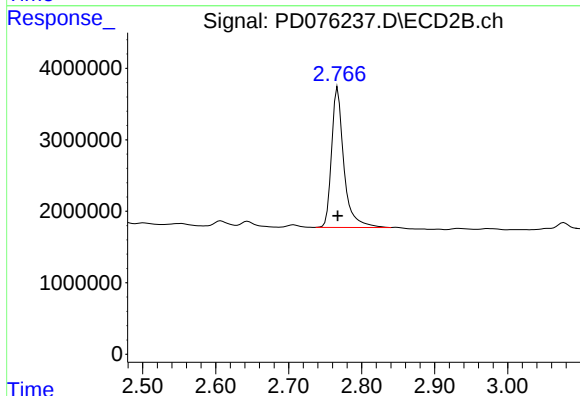
#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 45333502
Conc: 21.28 ng/ml

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

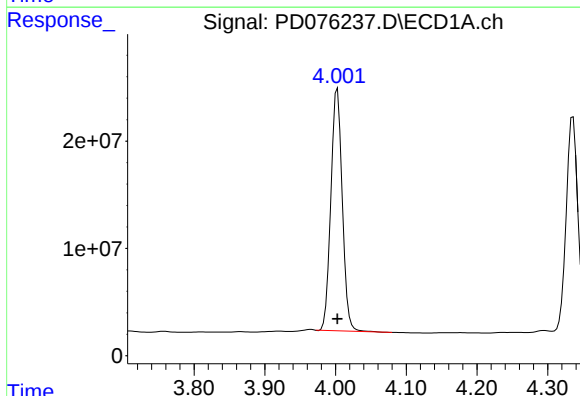
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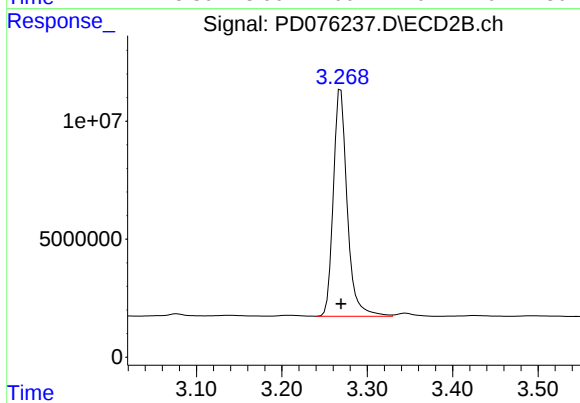
#1 Tetrachloro-m-xylene

R.T.: 2.767 min
Delta R.T.: 0.000 min
Response: 22902386
Conc: 21.11 ng/ml



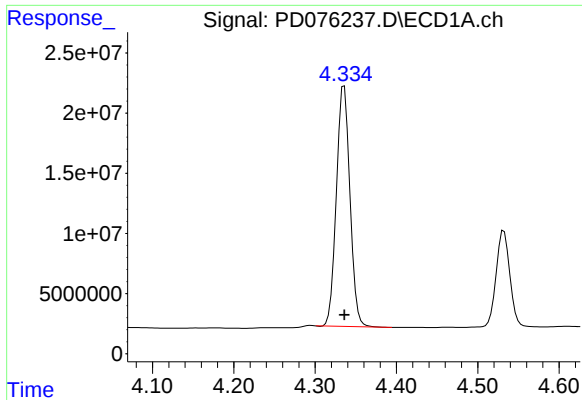
#2 alpha-BHC

R.T.: 4.003 min
Delta R.T.: 0.000 min
Response: 252295434
Conc: 68.33 ng/ml



#2 alpha-BHC

R.T.: 3.269 min
Delta R.T.: 0.000 min
Response: 108991495
Conc: 68.13 ng/ml



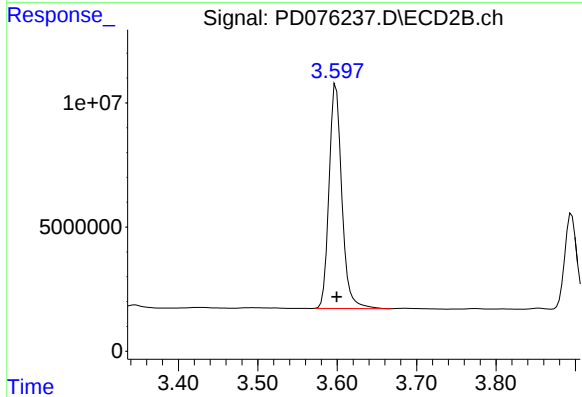
#3 gamma-BHC (Lindane)

R.T.: 4.336 min
Delta R.T.: 0.000 min
Response: 231523828
Conc: 68.81 ng/ml

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

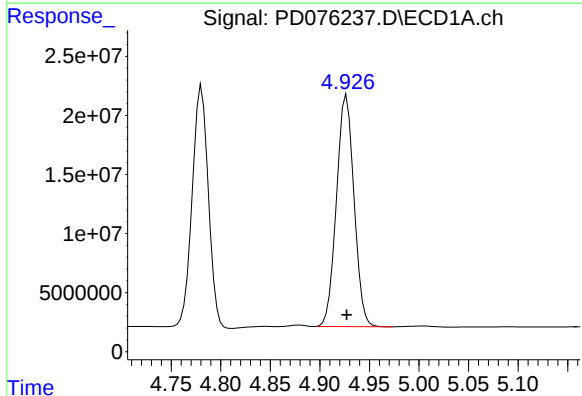
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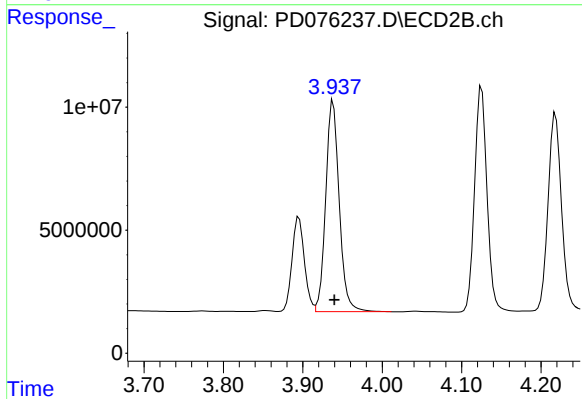
#3 gamma-BHC (Lindane)

R.T.: 3.599 min
Delta R.T.: 0.000 min
Response: 100733332
Conc: 68.37 ng/ml



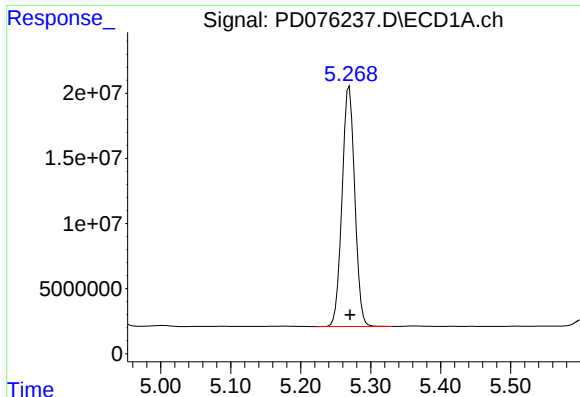
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 241664017
Conc: 67.38 ng/ml



#4 Heptachlor

R.T.: 3.938 min
Delta R.T.: -0.002 min
Response: 101321819
Conc: 66.71 ng/ml



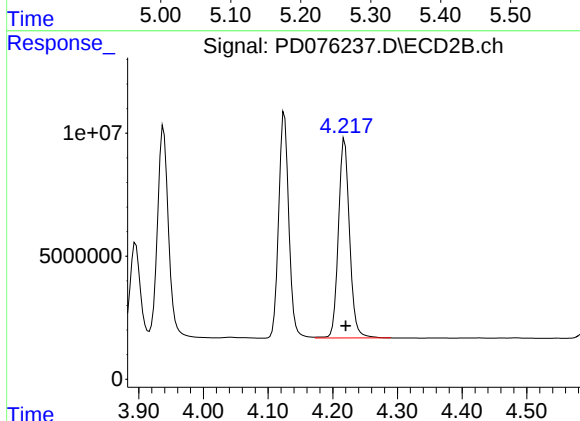
#5 Aldrin

R.T.: 5.269 min
Delta R.T.: -0.001 min
Response: 232230863
Conc: 66.27 ng/ml

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

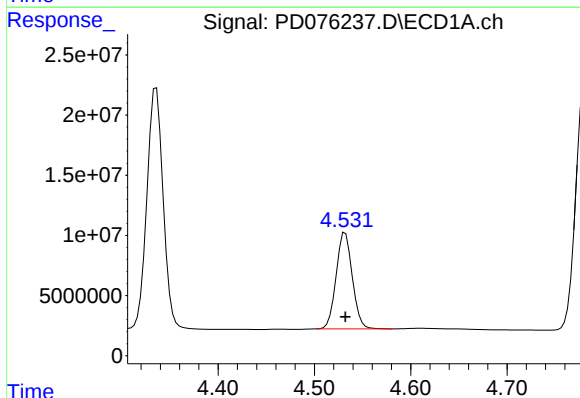
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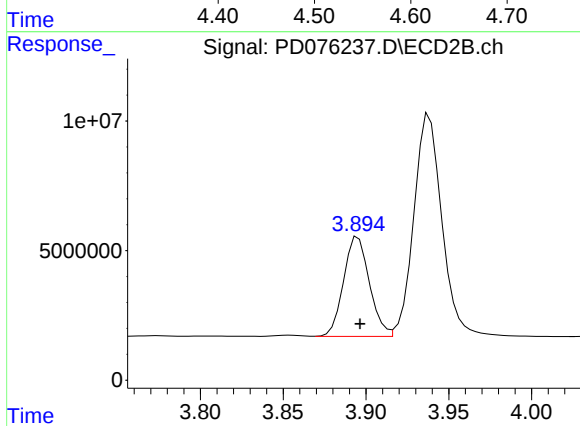
#5 Aldrin

R.T.: 4.218 min
Delta R.T.: -0.002 min
Response: 97139113
Conc: 65.14 ng/ml



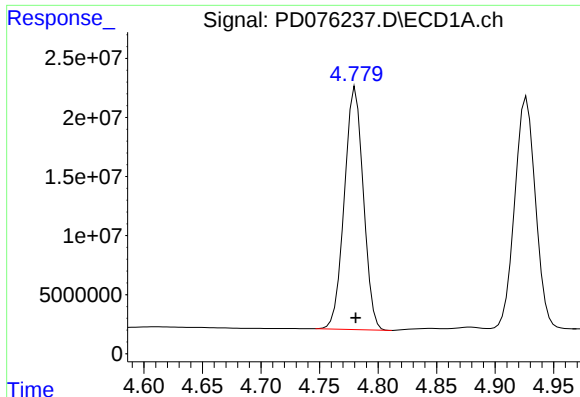
#6 beta-BHC

R.T.: 4.532 min
Delta R.T.: 0.000 min
Response: 93421642
Conc: 64.98 ng/ml



#6 beta-BHC

R.T.: 3.895 min
Delta R.T.: -0.001 min
Response: 41742688
Conc: 65.49 ng/ml



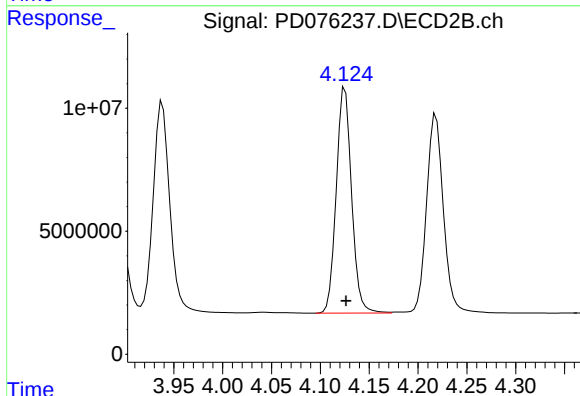
#7 delta-BHC

R.T.: 4.781 min
Delta R.T.: 0.000 min
Response: 231885614
Conc: 69.77 ng/ml

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

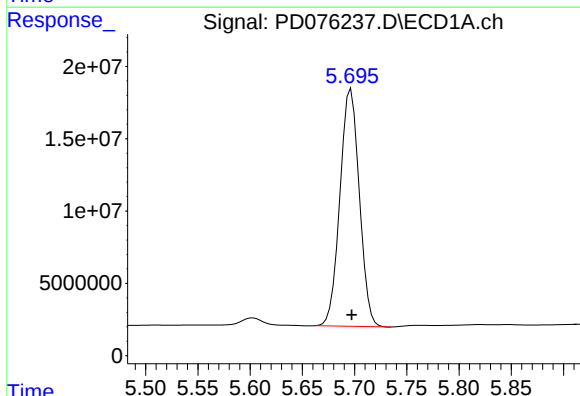
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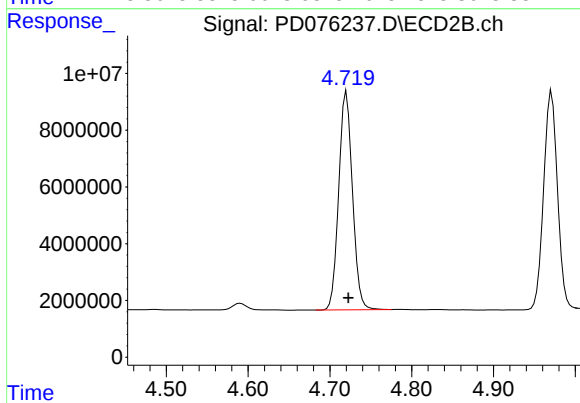
#7 delta-BHC

R.T.: 4.125 min
Delta R.T.: -0.001 min
Response: 100466956
Conc: 69.34 ng/ml



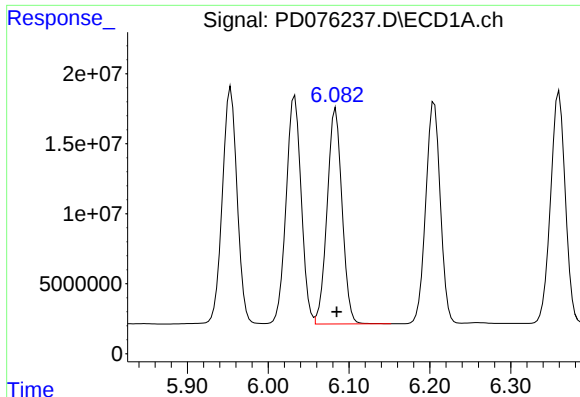
#8 Heptachlor epoxide

R.T.: 5.697 min
Delta R.T.: 0.000 min
Response: 211764563
Conc: 65.72 ng/ml



#8 Heptachlor epoxide

R.T.: 4.720 min
Delta R.T.: -0.002 min
Response: 89448304
Conc: 65.12 ng/ml



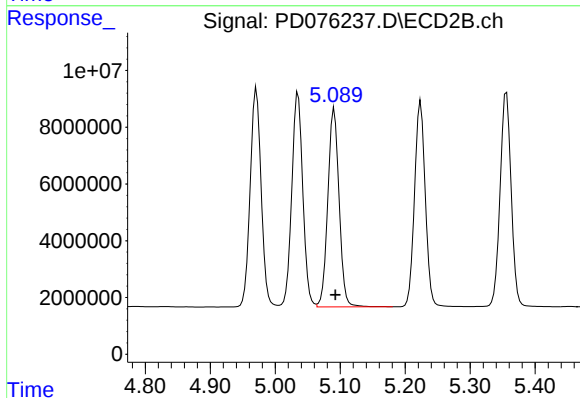
#9 Endosulfan I

R.T.: 6.084 min
Delta R.T.: -0.001 min
Response: 197899633
Conc: 65.98 ng/ml

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

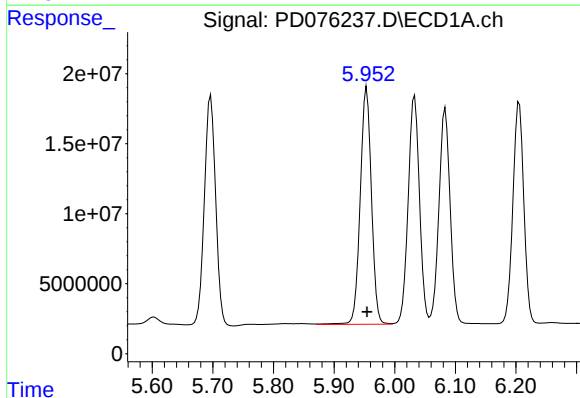
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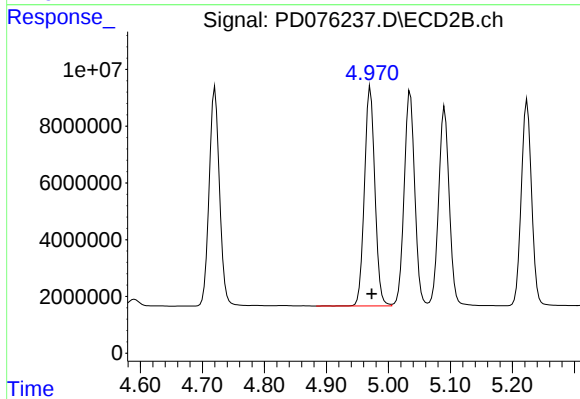
#9 Endosulfan I

R.T.: 5.091 min
Delta R.T.: -0.002 min
Response: 84047630
Conc: 65.75 ng/ml



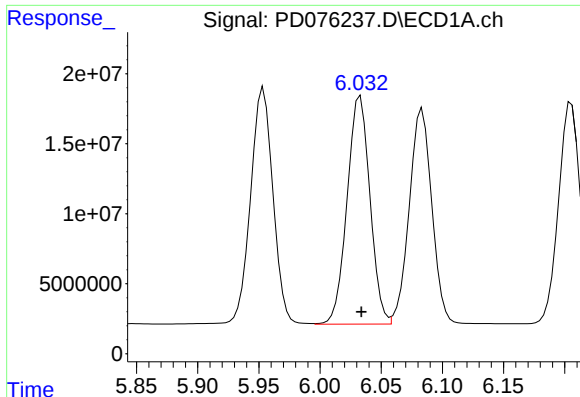
#10 gamma-Chlordane

R.T.: 5.954 min
Delta R.T.: 0.000 min
Response: 216750925
Conc: 67.29 ng/ml



#10 gamma-Chlordane

R.T.: 4.971 min
Delta R.T.: -0.002 min
Response: 90724439
Conc: 66.12 ng/ml



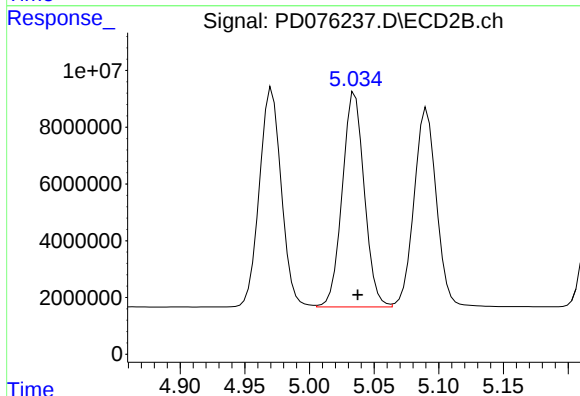
#11 alpha-Chlordane

R.T.: 6.033 min
Delta R.T.: 0.000 min
Response: 211711967
Conc: 65.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
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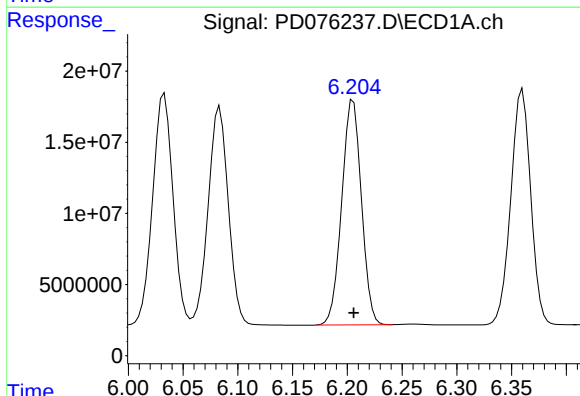
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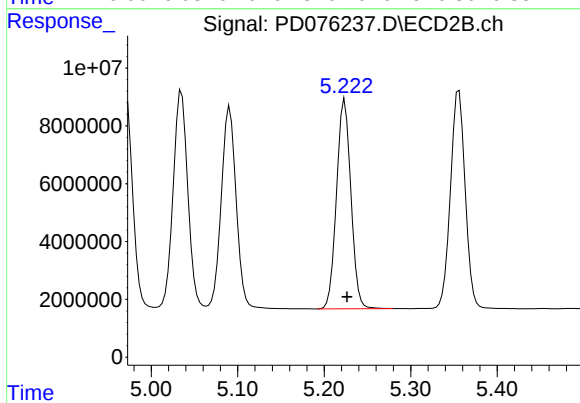
#11 alpha-Chlordane

R.T.: 5.035 min
Delta R.T.: -0.002 min
Response: 89368361
Conc: 65.15 ng/ml



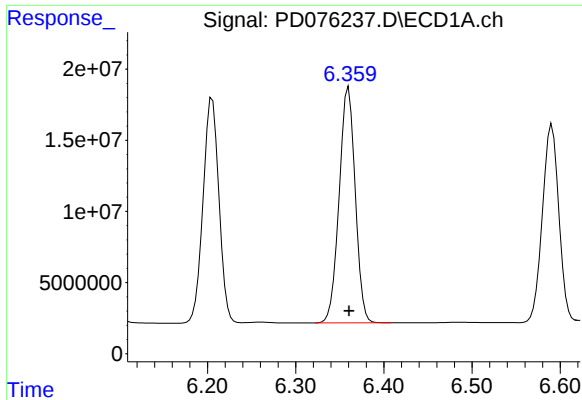
#12 4,4'-DDE

R.T.: 6.205 min
Delta R.T.: 0.000 min
Response: 197627000
Conc: 69.15 ng/ml



#12 4,4'-DDE

R.T.: 5.224 min
Delta R.T.: -0.003 min
Response: 83213644
Conc: 74.55 ng/ml



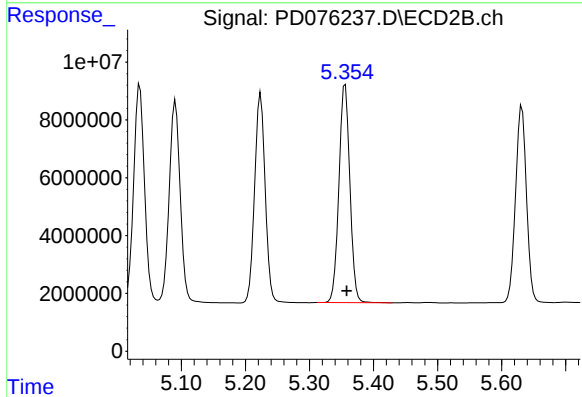
#13 Dieldrin

R.T.: 6.360 min
Delta R.T.: 0.000 min
Response: 209472828
Conc: 67.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
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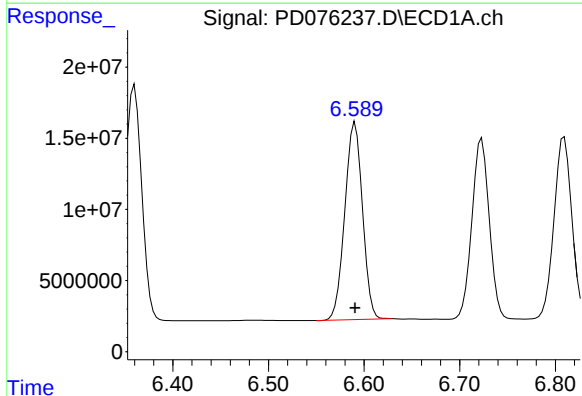
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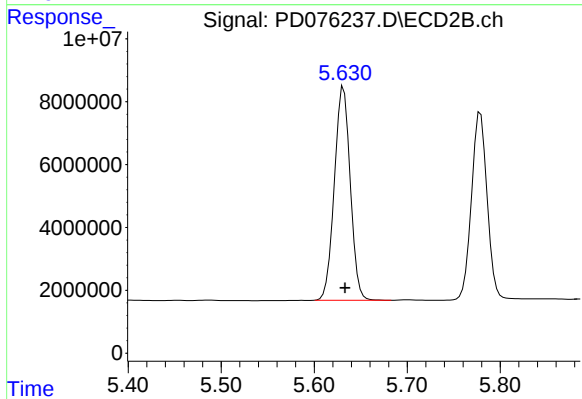
#13 Dieldrin

R.T.: 5.356 min
Delta R.T.: -0.002 min
Response: 89552587
Conc: 66.38 ng/ml



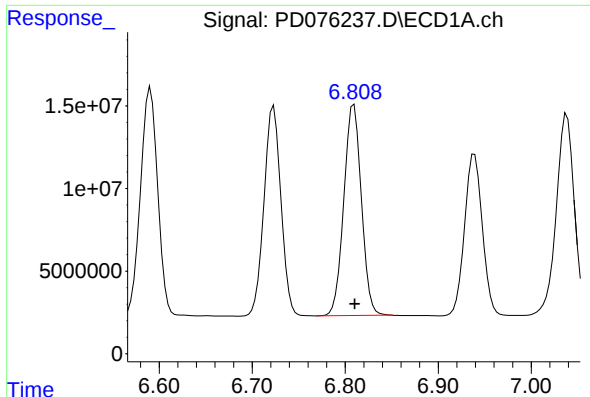
#14 Endrin

R.T.: 6.591 min
Delta R.T.: 0.000 min
Response: 178834956
Conc: 66.87 ng/ml



#14 Endrin

R.T.: 5.632 min
Delta R.T.: -0.002 min
Response: 80834064
Conc: 66.42 ng/ml



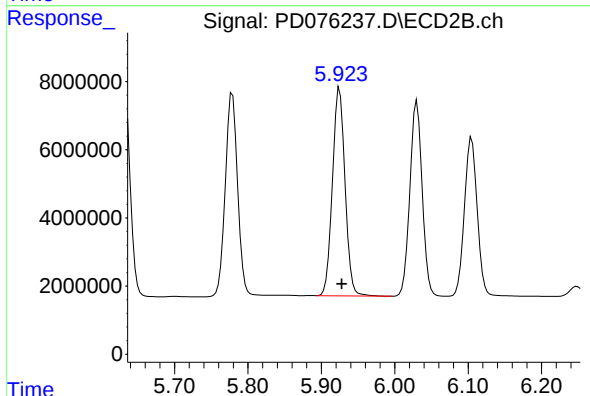
#15 Endosulfan II

R.T.: 6.809 min
Delta R.T.: 0.000 min
Response: 167479335
Conc: 64.82 ng/ml

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

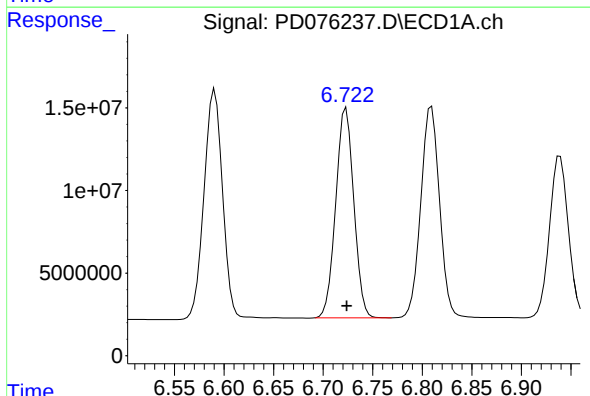
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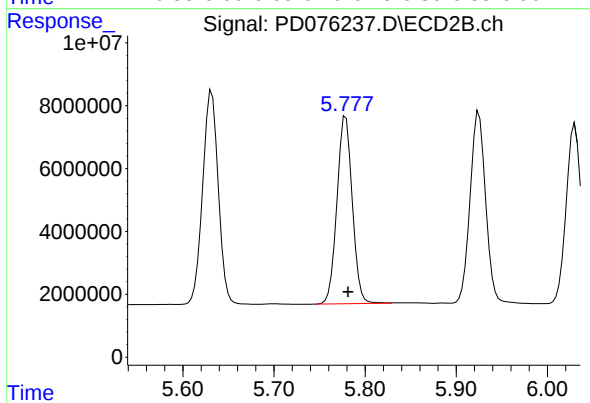
#15 Endosulfan II

R.T.: 5.925 min
Delta R.T.: -0.003 min
Response: 72963066
Conc: 67.63 ng/ml



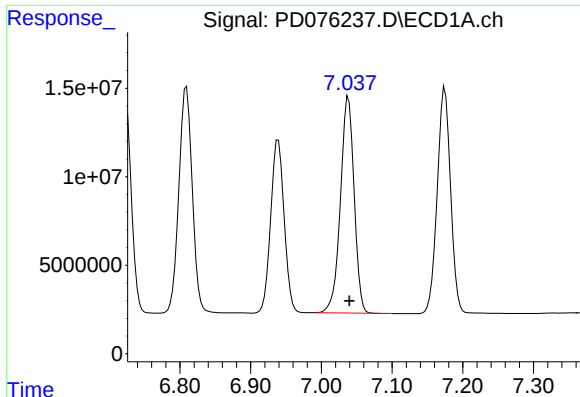
#16 4,4'-DDD

R.T.: 6.723 min
Delta R.T.: 0.000 min
Response: 160801646
Conc: 70.66 ng/ml



#16 4,4'-DDD

R.T.: 5.779 min
Delta R.T.: -0.002 min
Response: 69691237
Conc: 79.08 ng/ml



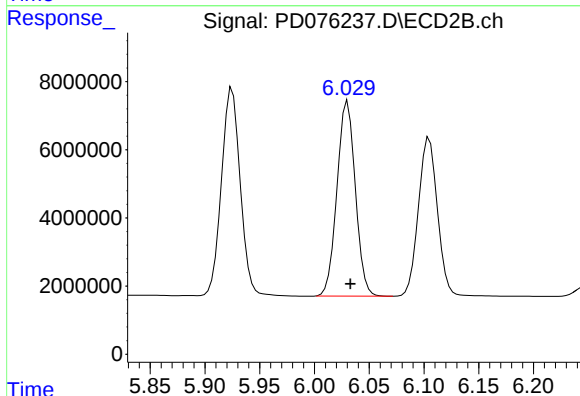
#17 4,4'-DDT

R.T.: 7.038 min
Delta R.T.: -0.001 min
Response: 164561422
Conc: 72.52 ng/ml

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

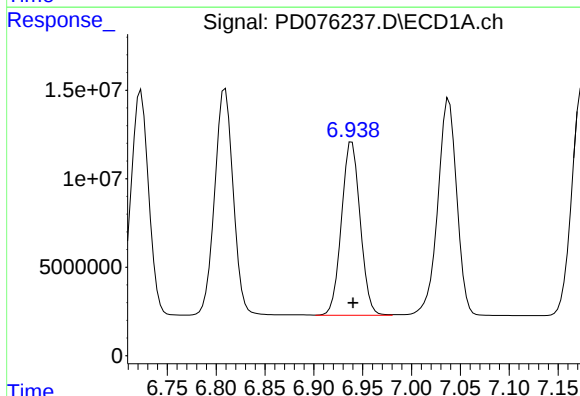
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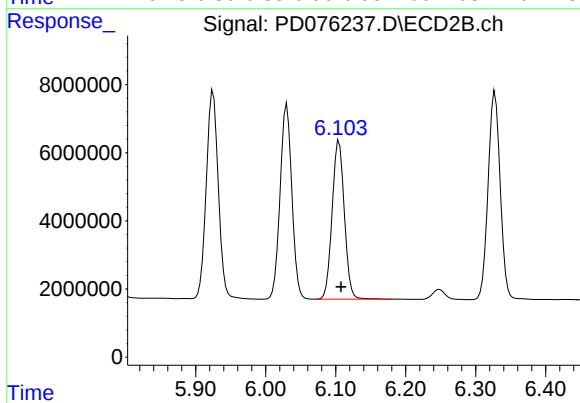
#17 4,4'-DDT

R.T.: 6.030 min
Delta R.T.: -0.003 min
Response: 66661358
Conc: 82.07 ng/ml



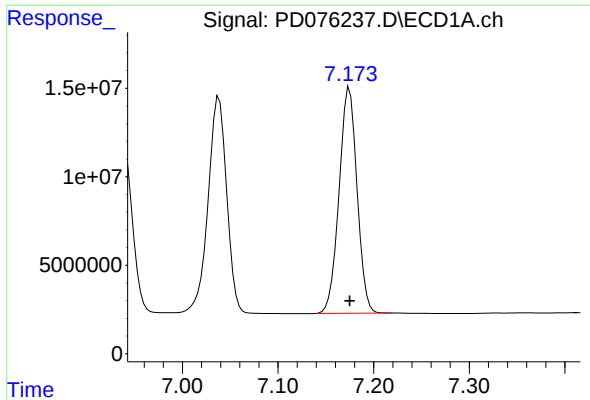
#18 Endrin aldehyde

R.T.: 6.938 min
Delta R.T.: -0.003 min
Response: 130736601
Conc: 65.15 ng/ml m



#18 Endrin aldehyde

R.T.: 6.105 min
Delta R.T.: -0.003 min
Response: 56455019
Conc: 65.23 ng/ml



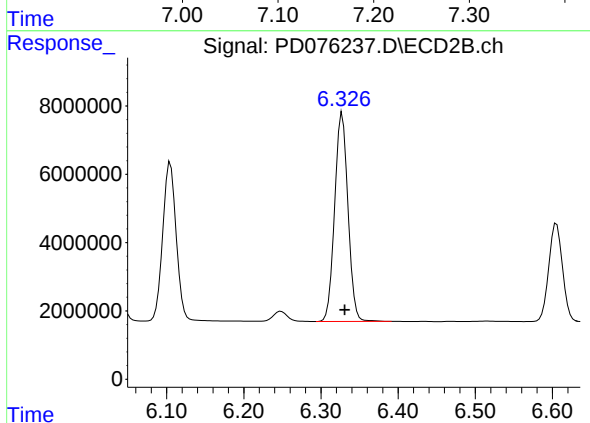
#19 Endosulfan Sulfate

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 166800072
Conc: 66.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
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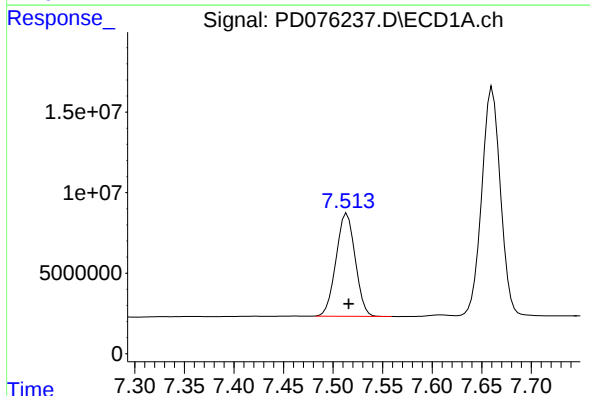
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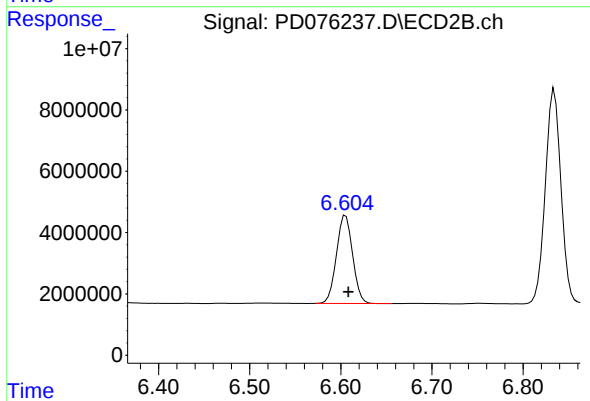
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: -0.003 min
Response: 73513026
Conc: 68.03 ng/ml



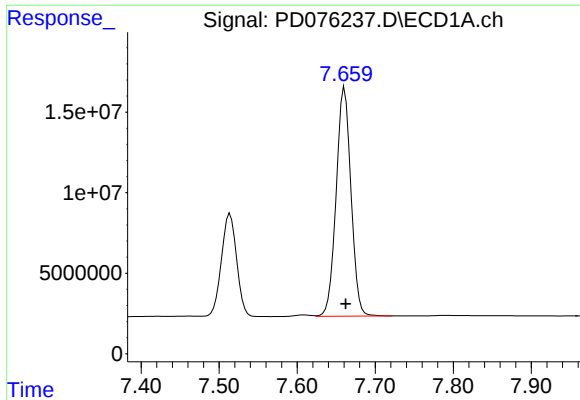
#20 Methoxychlor

R.T.: 7.514 min
Delta R.T.: -0.002 min
Response: 85825327
Conc: 66.31 ng/ml



#20 Methoxychlor

R.T.: 6.605 min
Delta R.T.: -0.003 min
Response: 35446159
Conc: 76.58 ng/ml



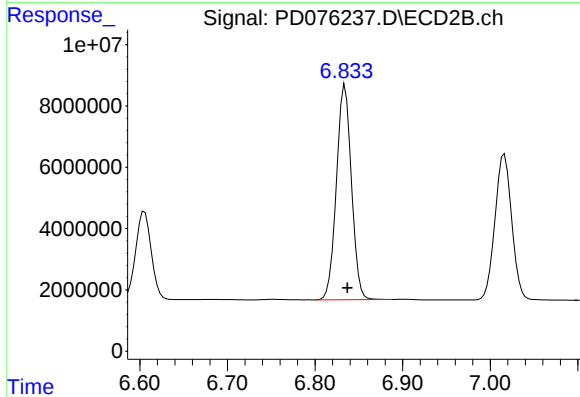
#21 Endrin ketone

R.T.: 7.661 min
Delta R.T.: -0.002 min
Response: 187259330
Conc: 67.22 ng/ml

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

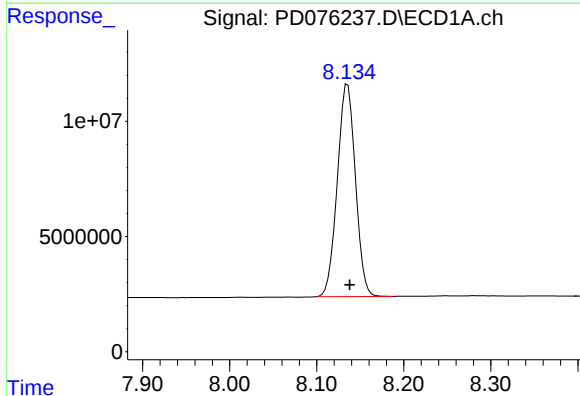
Manual Integrations
APPROVED

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



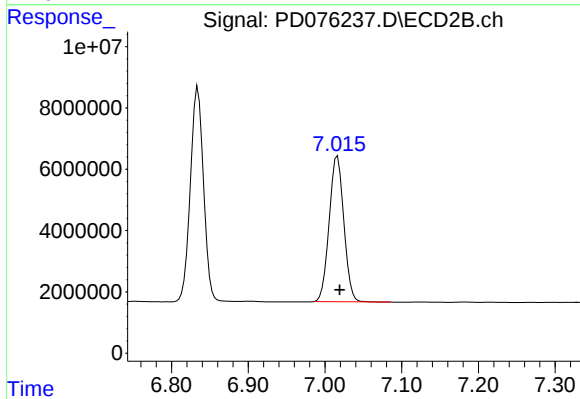
#21 Endrin ketone

R.T.: 6.834 min
Delta R.T.: -0.003 min
Response: 83490201
Conc: 68.72 ng/ml



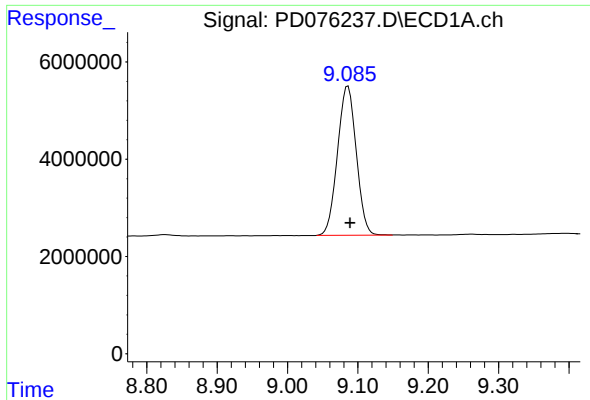
#22 Mirex

R.T.: 8.136 min
Delta R.T.: -0.002 min
Response: 133190360
Conc: 62.16 ng/ml



#22 Mirex

R.T.: 7.016 min
Delta R.T.: -0.003 min
Response: 62823149
Conc: 59.93 ng/ml



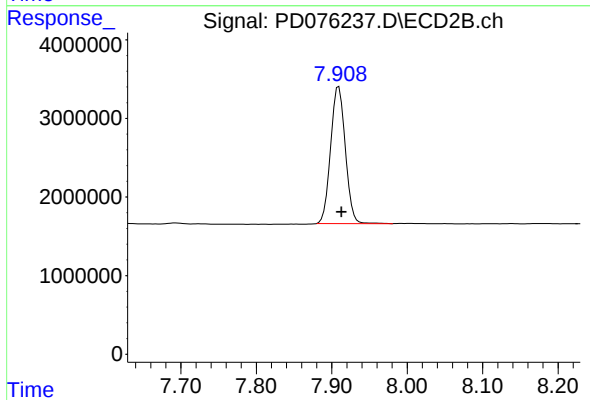
#28 Decachlorobiphenyl

R.T.: 9.086 min
Delta R.T.: -0.003 min
Response: 56797242
Conc: 22.42 ng/ml

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

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.: -0.003 min
Response: 23623480
Conc: 24.16 ng/ml