

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD110523\
 Data File : PD079420.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Nov 2023 16:46
 Operator : AR\AJ
 Sample : PB156896BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB156896BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 11/04/2023
 Supervised By :mohammad ahmed 11/06/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 04 00:18:13 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD102023.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 20 04:44:01 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...	3.568	2.802	28611185	44586583	17.720	19.258
28)	SA Decachlor...	9.114	7.949	36028841	48610600	17.960	19.943
Target Compounds							
2)	A alpha-BHC	4.025	3.306	123.6E6	176.2E6	46.425	50.816
3)	MA gamma-BHC...	4.358	3.636	120.0E6	173.3E6	46.187	51.029
4)	MA Heptachlor	4.951	3.978	120.0E6	164.3E6	44.853	53.809
5)	MB Aldrin	5.296	4.259	119.5E6	168.9E6	46.382	51.643
6)	B beta-BHC	4.552	3.930	48085843	69595527	44.873	49.390
7)	B delta-BHC	4.800	4.162	120.5E6	173.4E6	45.026m	51.784
8)	B Heptachlo...	5.721	4.761	108.6E6	154.2E6	46.356	52.003
9)	A Endosulfan I	6.108	5.131	101.6E6	140.4E6	46.880	53.025m
10)	B gamma-Chl...	5.977	5.010	107.0E6	151.1E6	46.671	52.656m
11)	B alpha-Chl...	6.057	5.075	106.2E6	148.9E6	46.567	51.870m
12)	B 4,4'-DDE	6.228	5.265	100.1E6	141.9E6	47.384	53.294
13)	MA Dieldrin	6.384	5.397	109.8E6	157.6E6	47.137	53.063
14)	MA Endrin	6.614	5.672	92651641	141.3E6	47.572	55.219
15)	B Endosulfa...	6.831	5.964	92725156	134.1E6	45.462	53.723
16)	A 4,4'-DDD	6.745	5.819	83266182	124.6E6	47.366	54.547
17)	MA 4,4'-DDT	7.059	6.071	83012348	118.4E6	43.837	51.732
18)	B Endrin al...	6.960	6.143	72200981	103.6E6	46.753m	55.746
19)	B Endosulfa...	7.196	6.366	88992786	126.5E6	44.762	54.164
20)	A Methoxychlor	7.534	6.645	45308622	66501548	41.348	48.984
21)	B Endrin ke...	7.683	6.872	98588981	149.3E6	45.221	53.408
22)	Mirex	8.159	7.057	87063515	129.2E6	51.436	60.491

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD110523\
Data File : PD079420.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Nov 2023 16:46
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Sample : PB156896BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :

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ClientSampleId :

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Manual Integrations

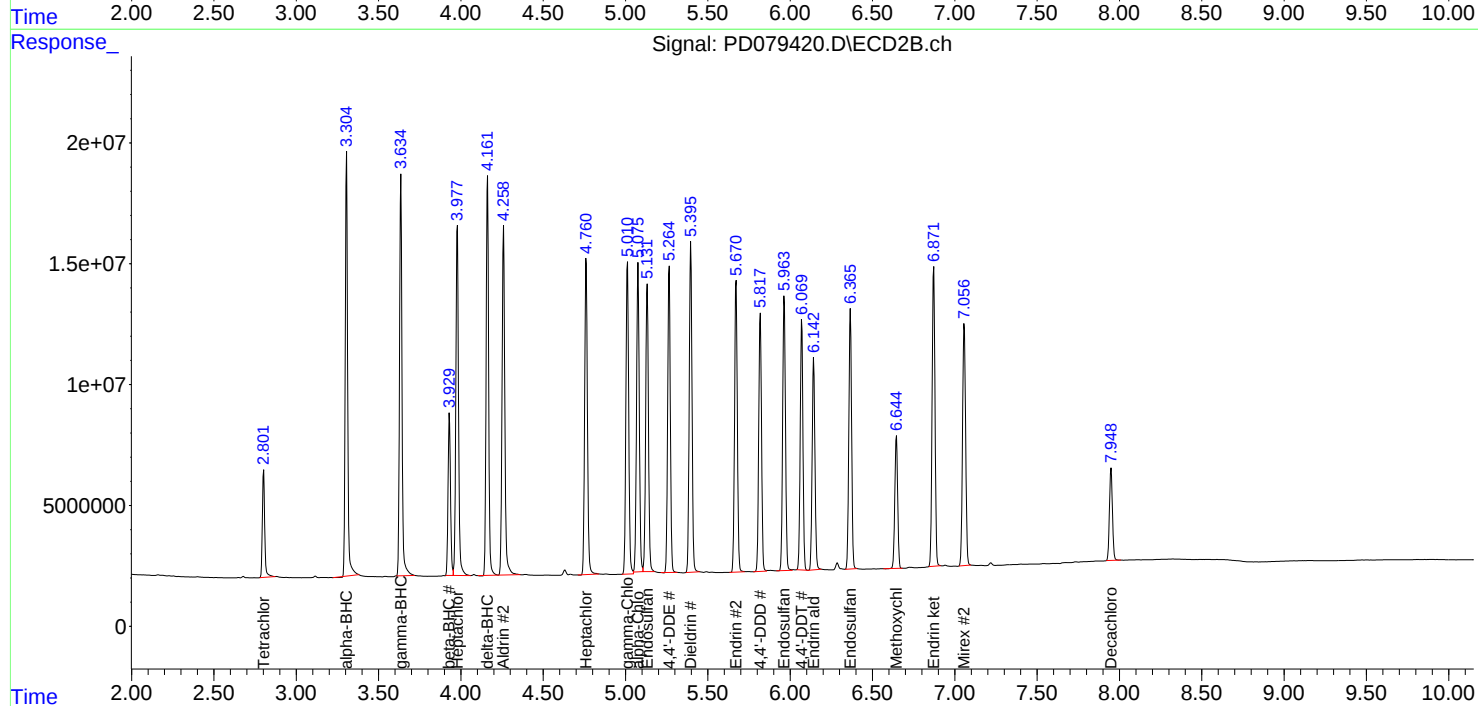
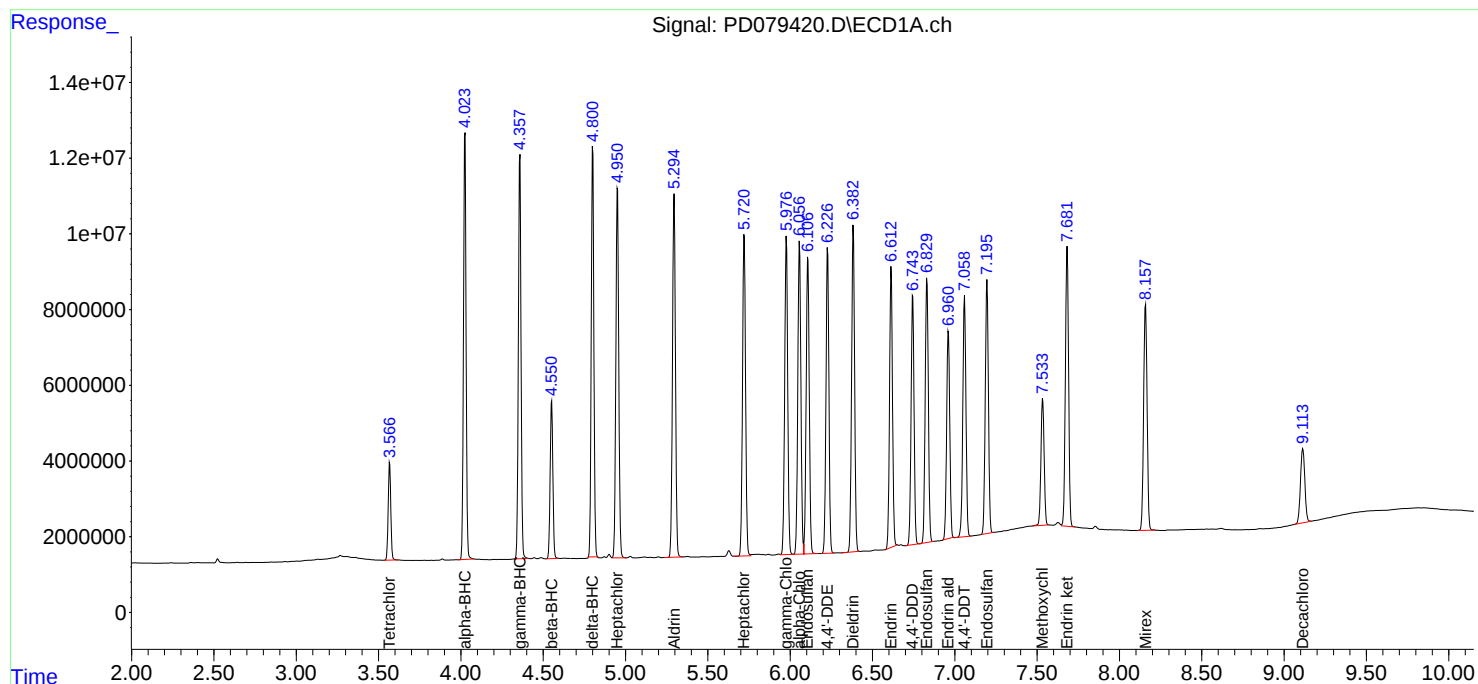
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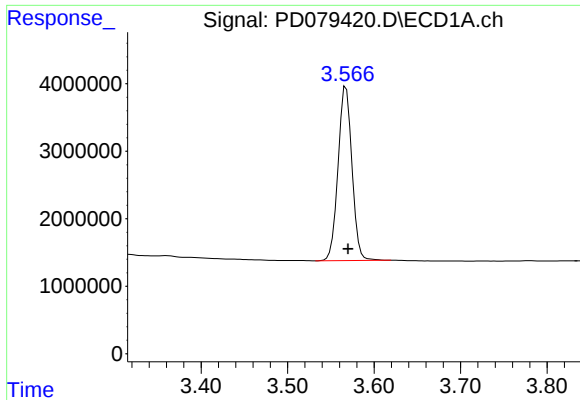
Reviewed By :Abdul Mirza 11/04/2023

Supervised By :mohammad ahmed 11/06/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 00:18:13 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD102023.M
Quant Title : GC Extractables
QLast Update : Fri Oct 20 04:44:01 2023
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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





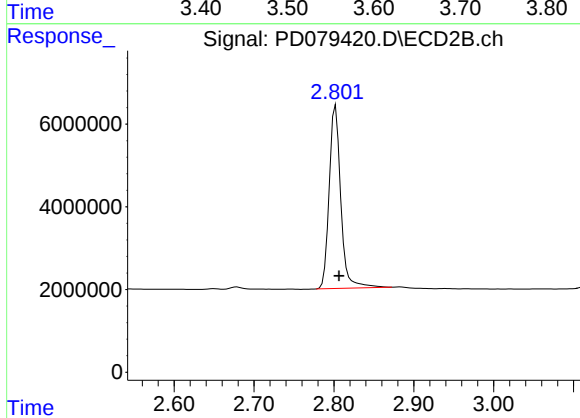
#1 Tetrachloro-m-xylene

R.T.: 3.568 min
Delta R.T.: -0.002 min
Response: 28611185
Conc: 17.72 ng/ml

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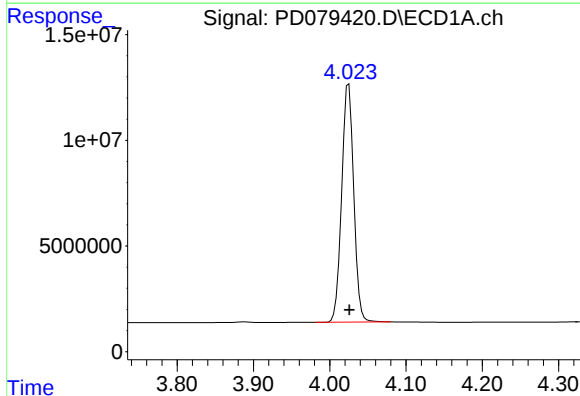
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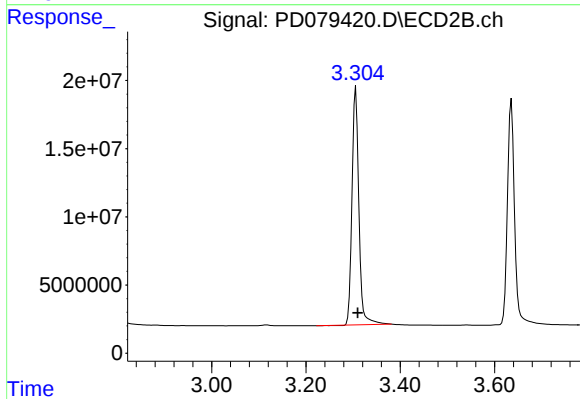
#1 Tetrachloro-m-xylene

R.T.: 2.802 min
Delta R.T.: -0.004 min
Response: 44586583
Conc: 19.26 ng/ml



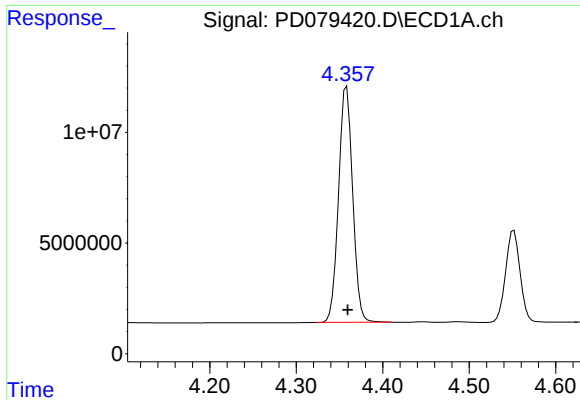
#2 alpha-BHC

R.T.: 4.025 min
Delta R.T.: -0.001 min
Response: 123586733
Conc: 46.43 ng/ml



#2 alpha-BHC

R.T.: 3.306 min
Delta R.T.: -0.004 min
Response: 176199855
Conc: 50.82 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.358 min
Delta R.T.: -0.001 min
Response: 120031151
Conc: 46.19 ng/ml

Instrument :

ECD_D

ClientSampleId :

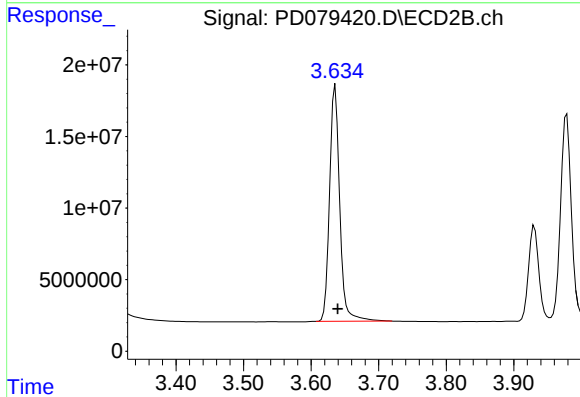
PB156896BS

Manual Integrations

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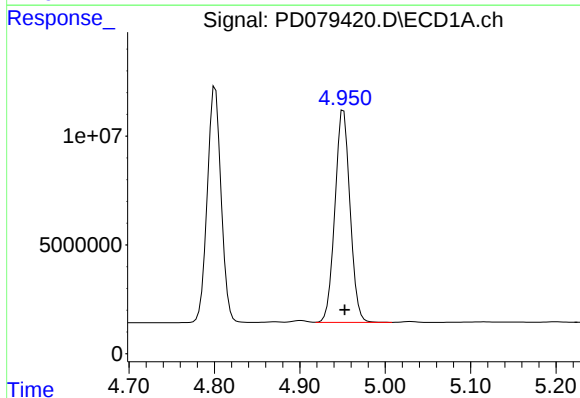
Reviewed By :Abdul Mirza 11/04/2023

Supervised By :mohammad ahmed 11/06/2023



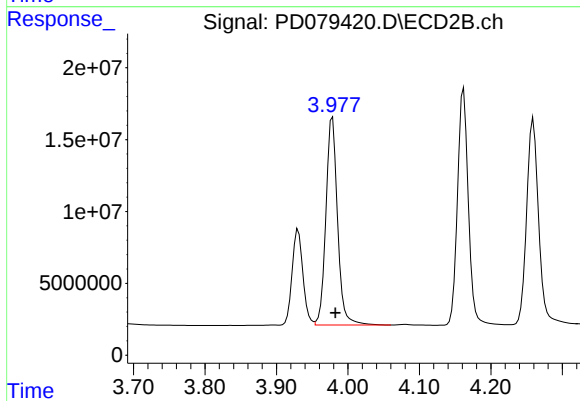
#3 gamma-BHC (Lindane)

R.T.: 3.636 min
Delta R.T.: -0.004 min
Response: 173282553
Conc: 51.03 ng/ml



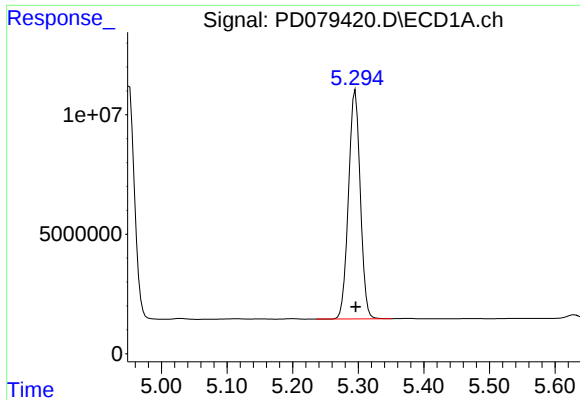
#4 Heptachlor

R.T.: 4.951 min
Delta R.T.: -0.001 min
Response: 119978058
Conc: 44.85 ng/ml



#4 Heptachlor

R.T.: 3.978 min
Delta R.T.: -0.004 min
Response: 164339911
Conc: 53.81 ng/ml



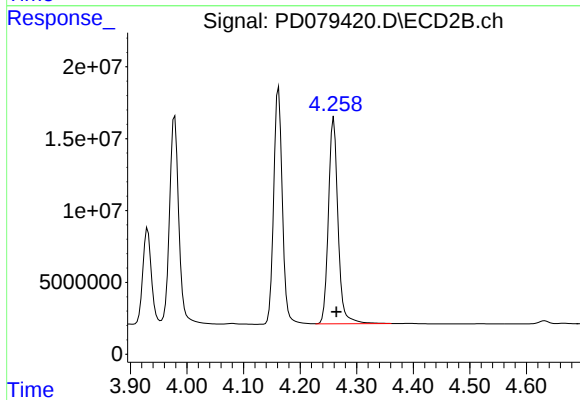
#5 Aldrin

R.T.: 5.296 min
Delta R.T.: 0.000 min
Response: 119516746
Conc: 46.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB156896BS

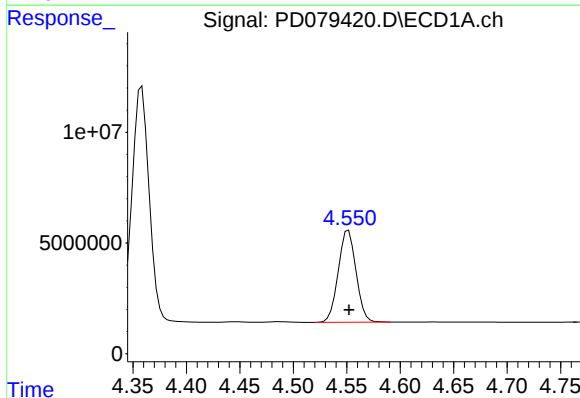
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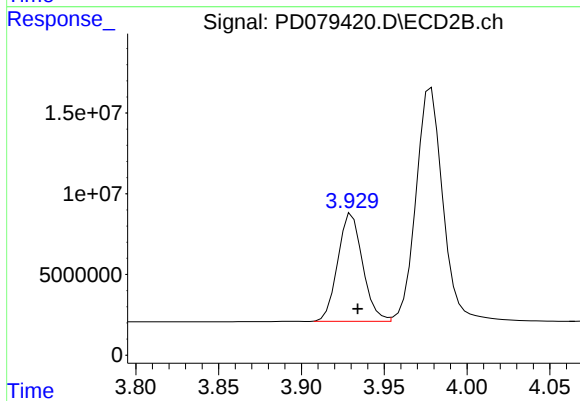
#5 Aldrin

R.T.: 4.259 min
Delta R.T.: -0.005 min
Response: 168941439
Conc: 51.64 ng/ml



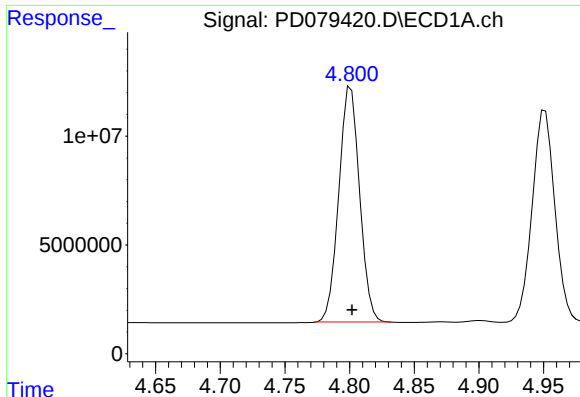
#6 beta-BHC

R.T.: 4.552 min
Delta R.T.: 0.000 min
Response: 48085843
Conc: 44.87 ng/ml



#6 beta-BHC

R.T.: 3.930 min
Delta R.T.: -0.003 min
Response: 69595527
Conc: 49.39 ng/ml



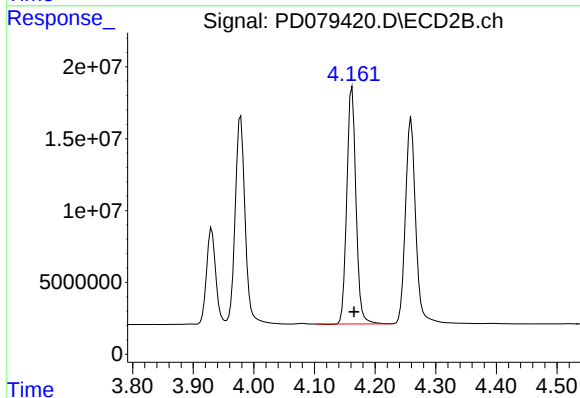
#7 delta-BHC

R.T.: 4.800 min
Delta R.T.: -0.002 min
Response: 120536663
Conc: 45.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB156896BS

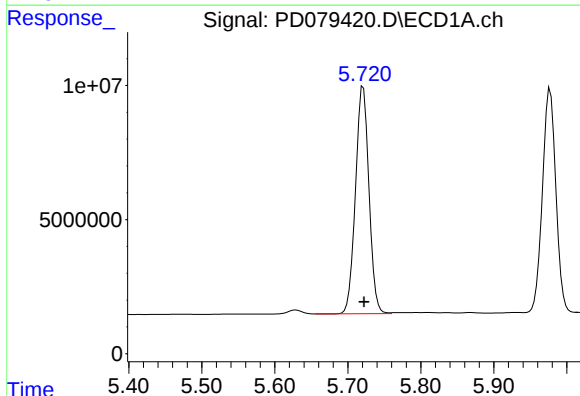
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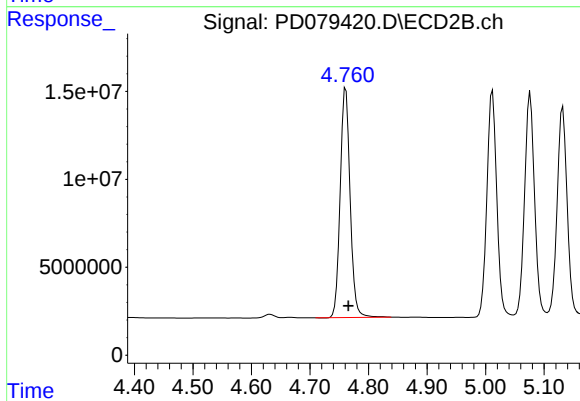
#7 delta-BHC

R.T.: 4.162 min
Delta R.T.: -0.003 min
Response: 173386447
Conc: 51.78 ng/ml



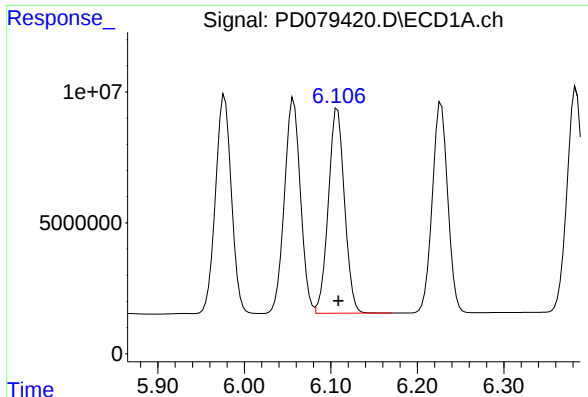
#8 Heptachlor epoxide

R.T.: 5.721 min
Delta R.T.: -0.001 min
Response: 108643190
Conc: 46.36 ng/ml



#8 Heptachlor epoxide

R.T.: 4.761 min
Delta R.T.: -0.005 min
Response: 154174241
Conc: 52.00 ng/ml



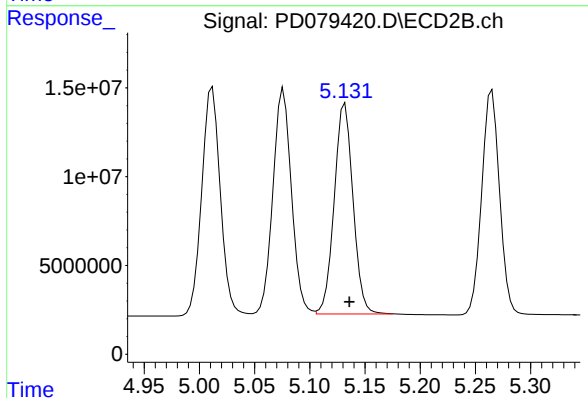
#9 Endosulfan I

R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 101632185
Conc: 46.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB156896BS

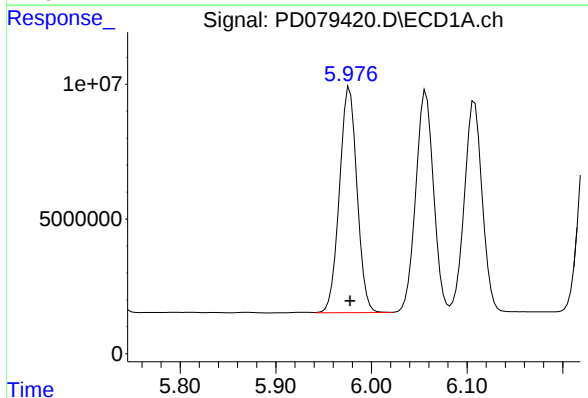
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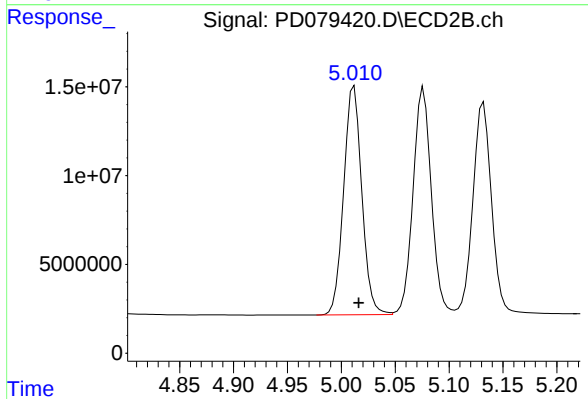
#9 Endosulfan I

R.T.: 5.131 min
Delta R.T.: -0.005 min
Response: 140393767
Conc: 53.02 ng/ml m



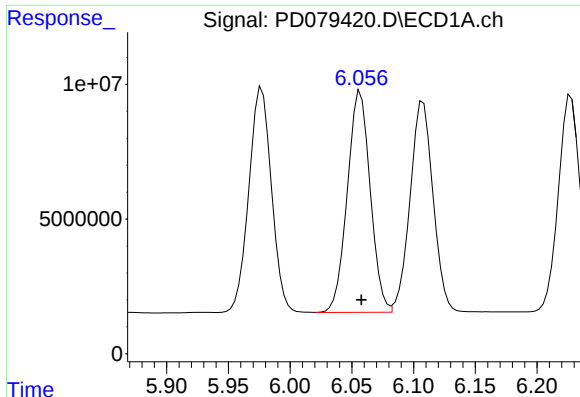
#10 gamma-Chlordane

R.T.: 5.977 min
Delta R.T.: 0.000 min
Response: 107003306
Conc: 46.67 ng/ml



#10 gamma-Chlordane

R.T.: 5.010 min
Delta R.T.: -0.006 min
Response: 151093835
Conc: 52.66 ng/ml m



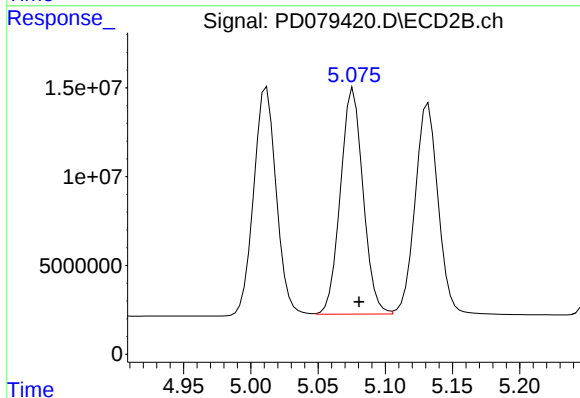
#11 alpha-Chlordane

R.T.: 6.057 min
Delta R.T.: 0.000 min
Response: 106182949
Conc: 46.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB156896BS

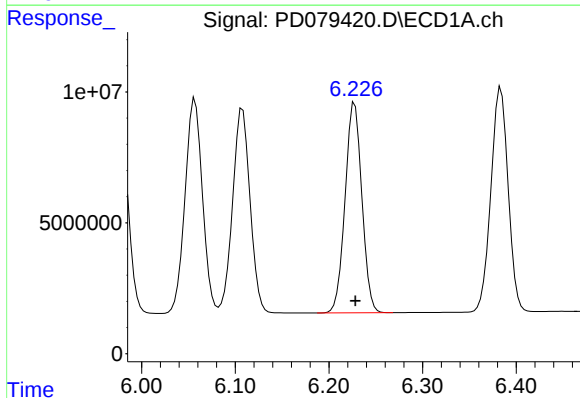
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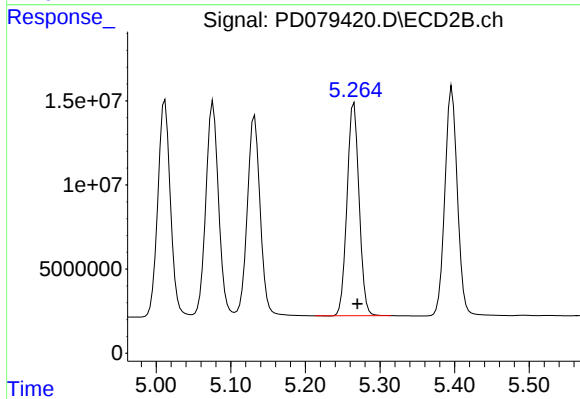
#11 alpha-Chlordane

R.T.: 5.075 min
Delta R.T.: -0.006 min
Response: 148858031
Conc: 51.87 ng/ml m



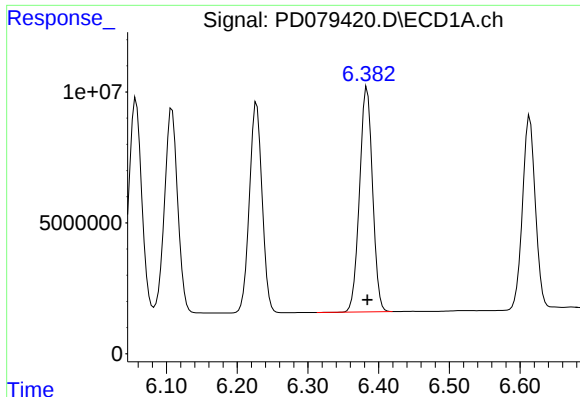
#12 4,4'-DDE

R.T.: 6.228 min
Delta R.T.: 0.000 min
Response: 100126928
Conc: 47.38 ng/ml



#12 4,4'-DDE

R.T.: 5.265 min
Delta R.T.: -0.005 min
Response: 141889224
Conc: 53.29 ng/ml



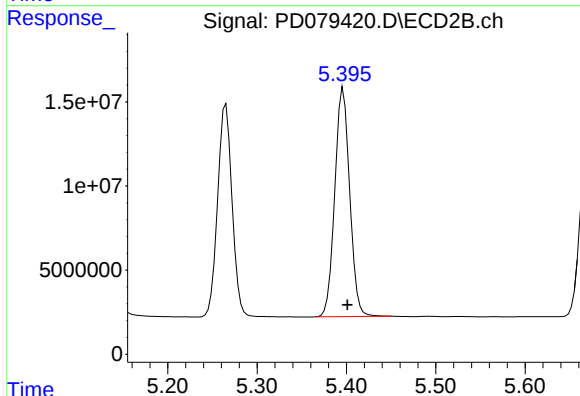
#13 Dieldrin

R.T.: 6.384 min
Delta R.T.: 0.000 min
Response: 109774476
Conc: 47.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB156896BS

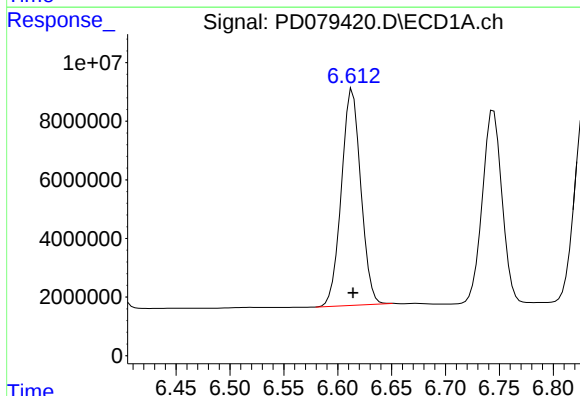
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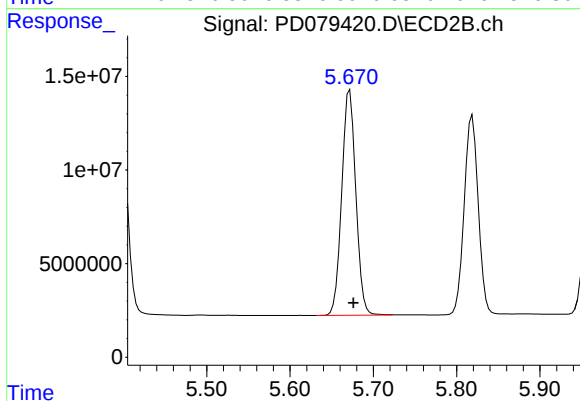
#13 Dieldrin

R.T.: 5.397 min
Delta R.T.: -0.005 min
Response: 157592678
Conc: 53.06 ng/ml



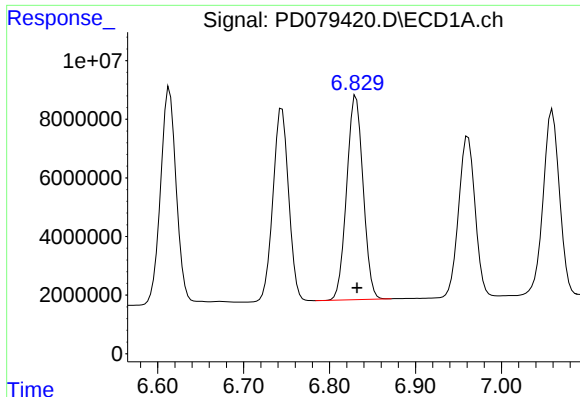
#14 Endrin

R.T.: 6.614 min
Delta R.T.: 0.000 min
Response: 92651641
Conc: 47.57 ng/ml



#14 Endrin

R.T.: 5.672 min
Delta R.T.: -0.004 min
Response: 141313148
Conc: 55.22 ng/ml



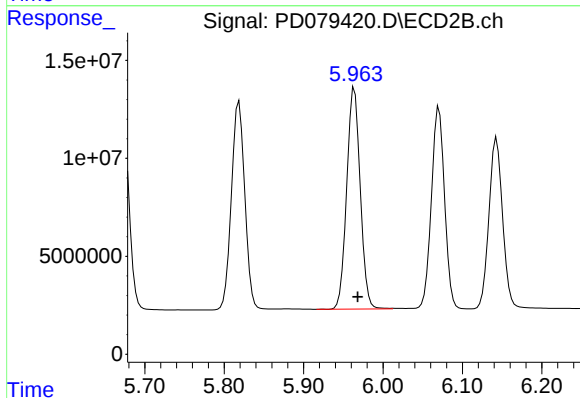
#15 Endosulfan II

R.T.: 6.831 min
Delta R.T.: -0.001 min
Response: 92725156
Conc: 45.46 ng/ml

Instrument :
ECD_D
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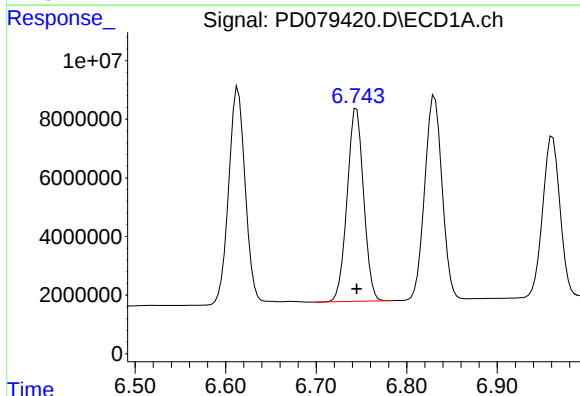
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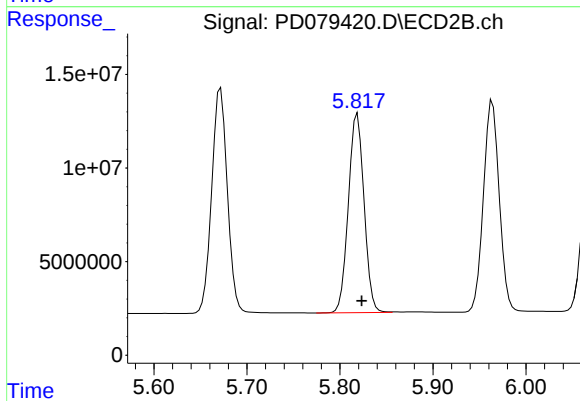
#15 Endosulfan II

R.T.: 5.964 min
Delta R.T.: -0.004 min
Response: 134119362
Conc: 53.72 ng/ml



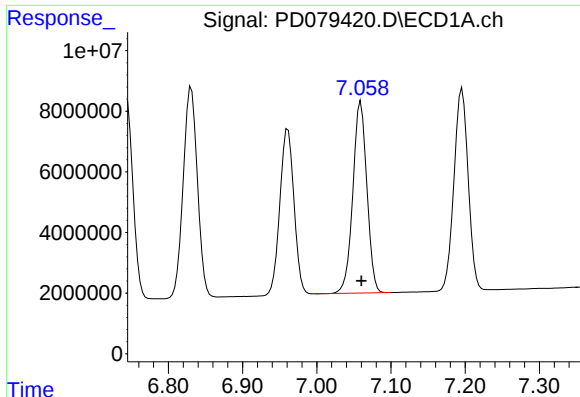
#16 4,4'-DDD

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 83266182
Conc: 47.37 ng/ml



#16 4,4'-DDD

R.T.: 5.819 min
Delta R.T.: -0.005 min
Response: 124600320
Conc: 54.55 ng/ml



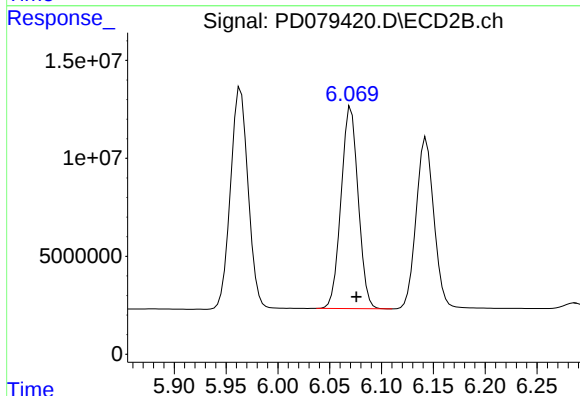
#17 4,4'-DDT

R.T.: 7.059 min
Delta R.T.: 0.000 min
Response: 83012348
Conc: 43.84 ng/ml

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ECD_D
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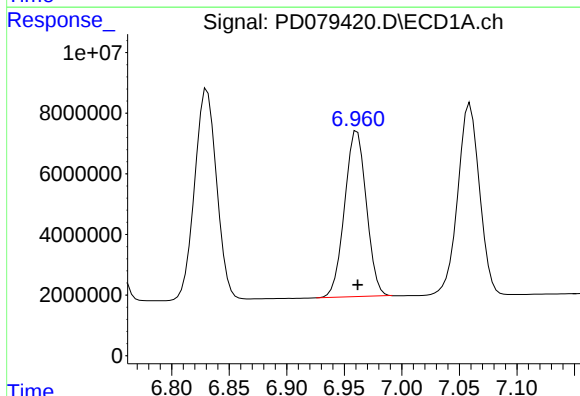
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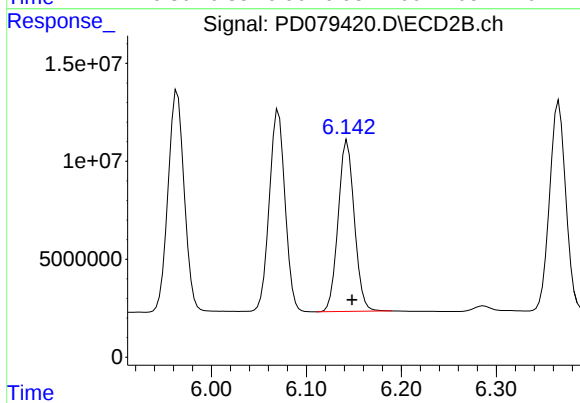
#17 4,4'-DDT

R.T.: 6.071 min
Delta R.T.: -0.005 min
Response: 118434579
Conc: 51.73 ng/ml



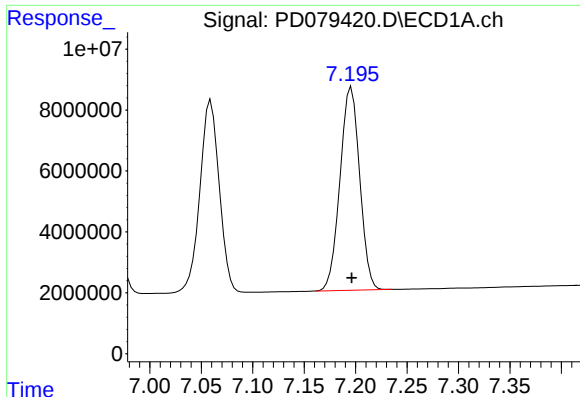
#18 Endrin aldehyde

R.T.: 6.960 min
Delta R.T.: -0.002 min
Response: 72200981
Conc: 46.75 ng/ml m



#18 Endrin aldehyde

R.T.: 6.143 min
Delta R.T.: -0.005 min
Response: 103649497
Conc: 55.75 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.196 min
Delta R.T.: 0.000 min
Response: 88992786
Conc: 44.76 ng/ml

Instrument :

ECD_D

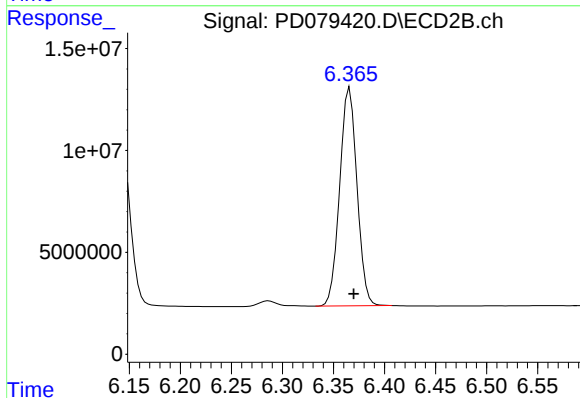
ClientSampleId :

PB156896BS

Manual Integrations

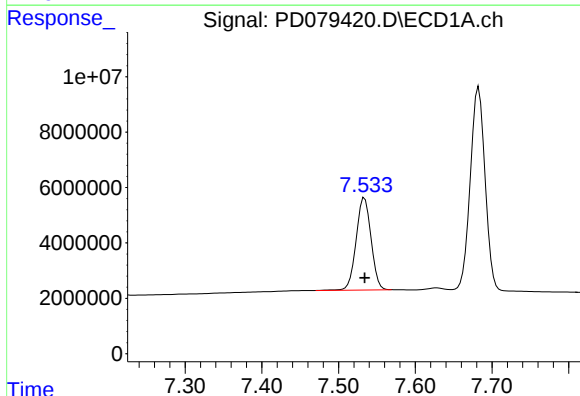
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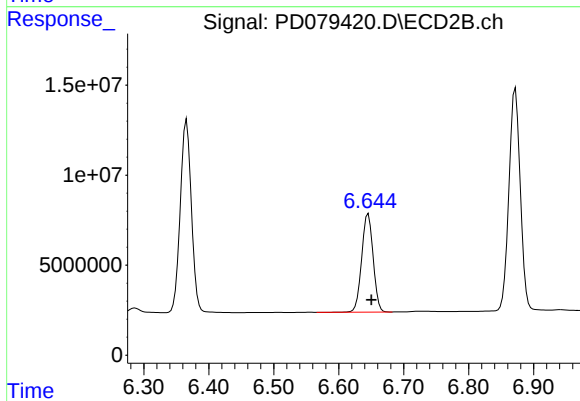
#19 Endosulfan Sulfate

R.T.: 6.366 min
Delta R.T.: -0.004 min
Response: 126462748
Conc: 54.16 ng/ml



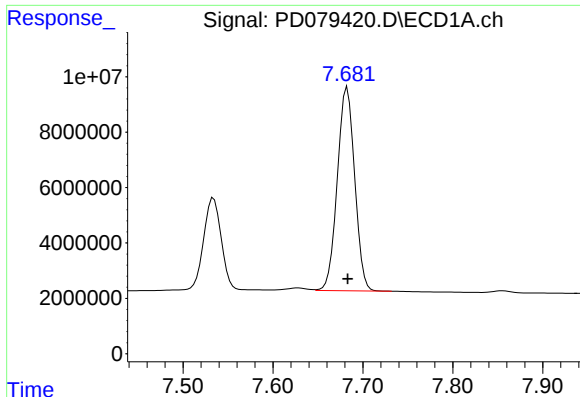
#20 Methoxychlor

R.T.: 7.534 min
Delta R.T.: 0.000 min
Response: 45308622
Conc: 41.35 ng/ml



#20 Methoxychlor

R.T.: 6.645 min
Delta R.T.: -0.005 min
Response: 66501548
Conc: 48.98 ng/ml



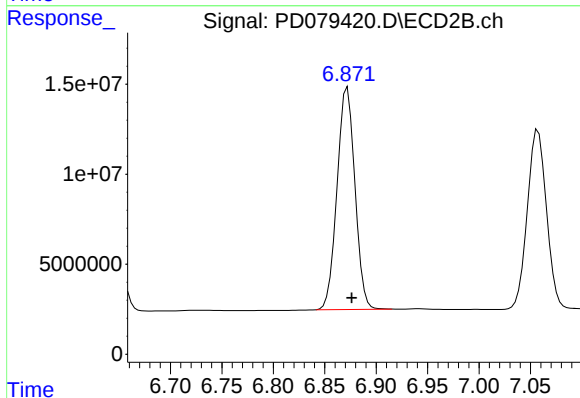
#21 Endrin ketone

R.T.: 7.683 min
Delta R.T.: 0.000 min
Response: 98588981
Conc: 45.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB156896BS

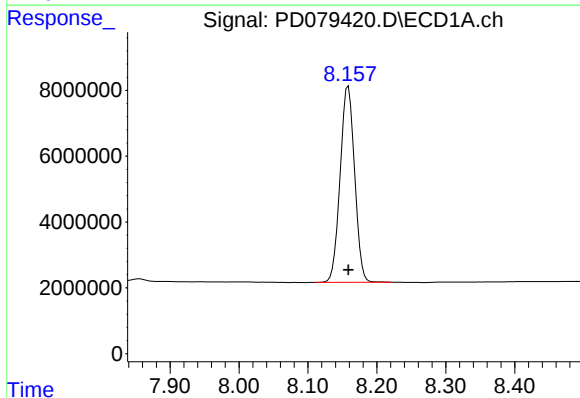
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/04/2023
Supervised By :mohammad ahmed 11/06/2023



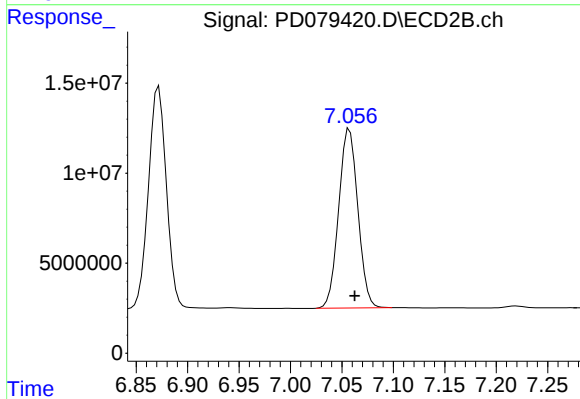
#21 Endrin ketone

R.T.: 6.872 min
Delta R.T.: -0.004 min
Response: 149314716
Conc: 53.41 ng/ml



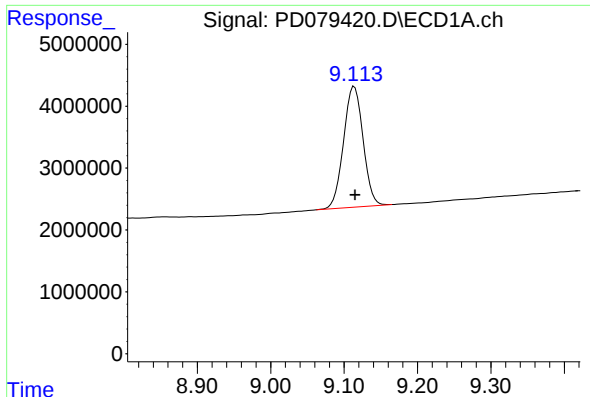
#22 Mirex

R.T.: 8.159 min
Delta R.T.: 0.000 min
Response: 87063515
Conc: 51.44 ng/ml



#22 Mirex

R.T.: 7.057 min
Delta R.T.: -0.005 min
Response: 129227942
Conc: 60.49 ng/ml



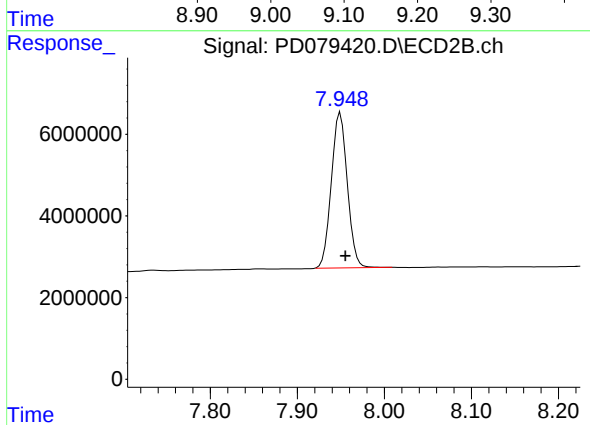
#28 Decachlorobiphenyl

R.T.: 9.114 min
Delta R.T.: 0.000 min
Response: 36028841
Conc: 17.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB156896BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/04/2023
Supervised By :mohammad ahmed 11/06/2023



#28 Decachlorobiphenyl

R.T.: 7.949 min
Delta R.T.: -0.006 min
Response: 48610600
Conc: 19.94 ng/ml