

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053123\
 Data File : PL083130.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 May 2023 17:39
 Operator : AR\AJ
 Sample : 02953-03MS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PNNL-RH-524-1MS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/01/2023
 Supervised By :Ankita Jodhani 06/01/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 01 05:11:26 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051923.M
 Quant Title : GC Extractables
 QLast Update : Sat May 20 04:58:53 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.316	2.636	57024277	49463914	19.402	19.053
28)	SA Decachlor...	8.733	7.740	32294202	35870151	15.398	14.426
Target Compounds							
2)	A alpha-BHC	3.765	3.132	193.1E6	162.4E6	43.495	43.513
3)	MA gamma-BHC...	4.094	3.459	182.9E6	162.3E6	44.154	48.697
4)	MA Heptachlor	4.671	3.789	166.5E6	153.0E6	43.567	41.803
5)	MB Aldrin	5.008	4.065	162.8E6	148.7E6	46.275	45.699
6)	B beta-BHC	4.298	3.759	80213967	61600327	42.605	43.075
7)	B delta-BHC	4.538	3.984	183.8E6	152.5E6	53.450	46.546
8)	B Heptachlo...	5.434	4.567	149.6E6	136.8E6	46.772	46.100
9)	A Endosulfan I	5.815	4.933	138.0E6	126.6E6	45.981	45.290
10)	B gamma-Chl...	5.689	4.815	152.7E6	135.7E6	48.075	45.182
11)	B alpha-Chl...	5.767	4.878	148.4E6	136.7E6	46.244	45.545
12)	B 4,4'-DDE	5.946	5.068	130.8E6	116.1E6	47.442	47.817
13)	MA Dieldrin	6.089	5.197	145.3E6	133.8E6	48.317	47.406
14)	MA Endrin	6.316	5.471	122.4E6	115.7E6	45.551	45.600
15)	B Endosulfa...	6.539	5.769	119.9E6	116.5E6	44.910	47.080
16)	A 4,4'-DDD	6.462	5.623	107.2E6	95433960	49.350	49.622
17)	MA 4,4'-DDT	6.773	5.871	108.4E6	99166408	43.321	44.449
18)	B Endrin al...	6.668	5.948	101.4E6	95704147	50.433m	48.397
19)	B Endosulfa...	6.903	6.171	120.2E6	111.9E6	46.901	45.675
20)	A Methoxychlor	7.254	6.450	60568679	56317070	45.803	44.283
21)	B Endrin ke...	7.383	6.675	128.1E6	129.2E6	50.216	47.779
22)	Mirex	7.846	6.846	94804755	102.4E6	45.231	43.749

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053123\
 Data File : PL083130.D
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 Acq On : 31 May 2023 17:39
 Operator : AR\AJ
 Sample : 02953-03MS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

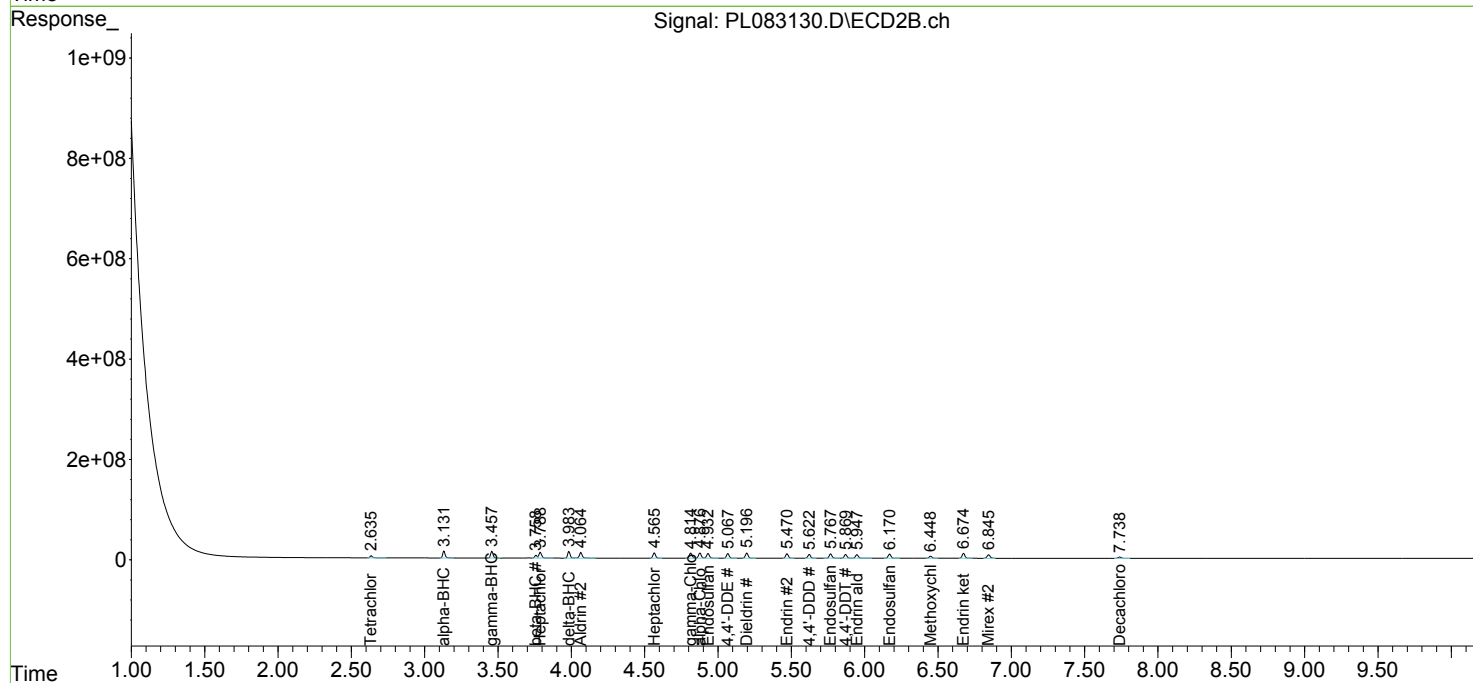
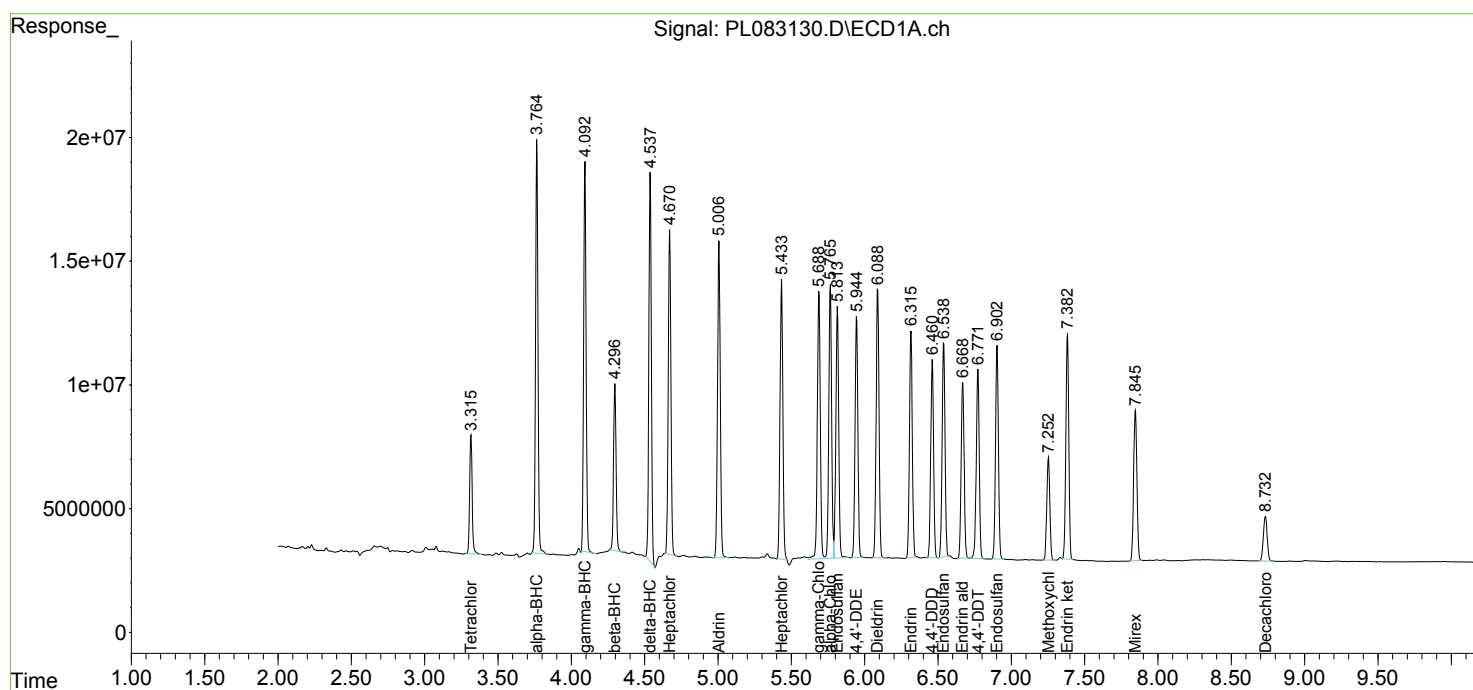
Instrument :
 ECD_L
 ClientSampleId :
 PNNL-RH-524-1MS

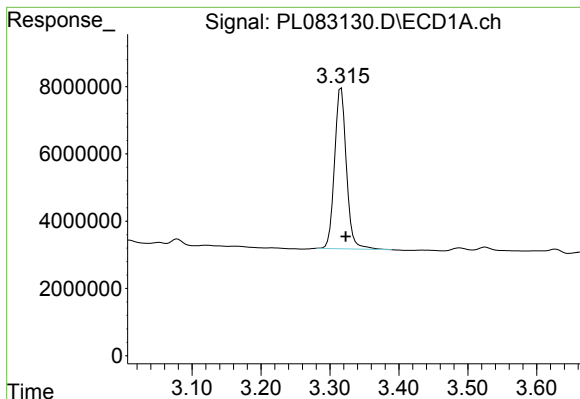
Manual Integrations APPROVED

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 Supervised By :Ankita Jodhani 06/01/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 01 05:11:26 2023
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Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





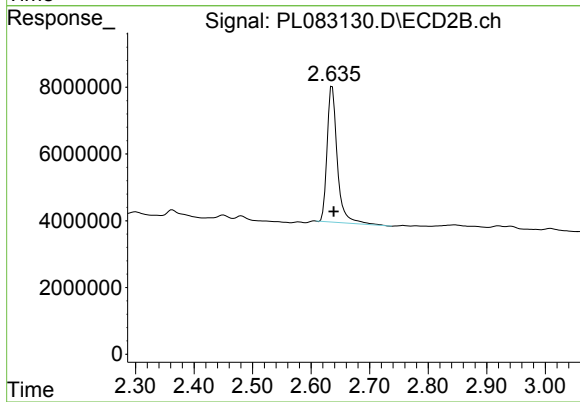
#1 Tetrachloro-m-xylene

R.T.: 3.316 min
Delta R.T.: -0.007 min
Response: 57024277
Conc: 19.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PNNL-RH-524-1MS

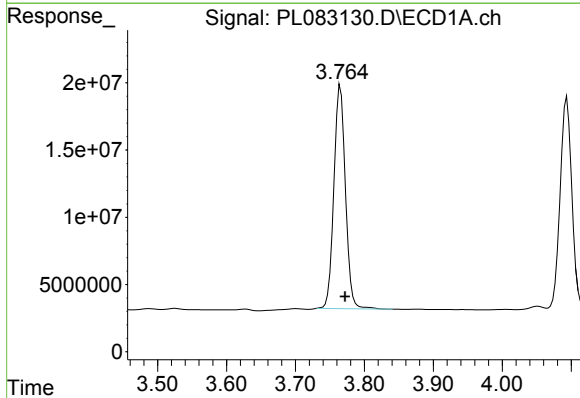
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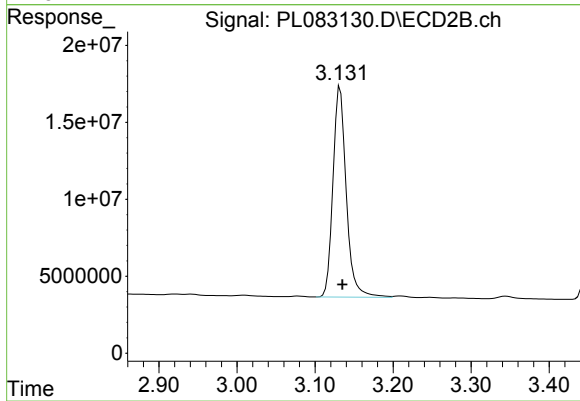
#1 Tetrachloro-m-xylene

R.T.: 2.636 min
Delta R.T.: -0.003 min
Response: 49463914
Conc: 19.05 ng/ml



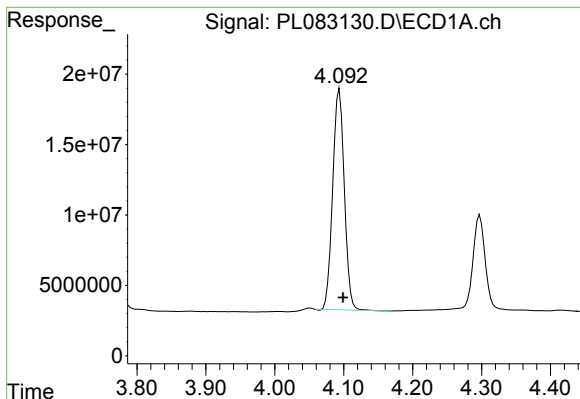
#2 alpha-BHC

R.T.: 3.765 min
Delta R.T.: -0.007 min
Response: 193084731
Conc: 43.49 ng/ml



#2 alpha-BHC

R.T.: 3.132 min
Delta R.T.: -0.003 min
Response: 162365417
Conc: 43.51 ng/ml



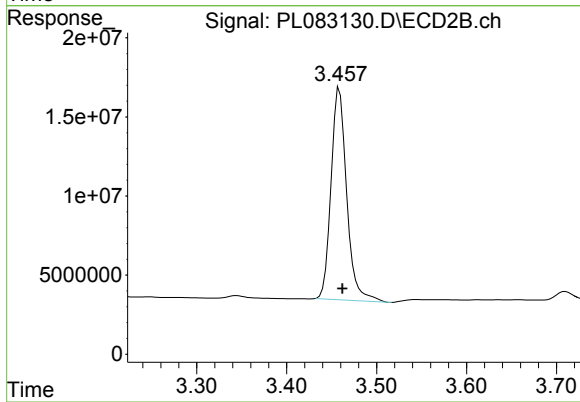
#3 gamma-BHC (Lindane)

R.T.: 4.094 min
Delta R.T.: -0.005 min
Response: 182925845
Conc: 44.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PNNL-RH-524-1MS

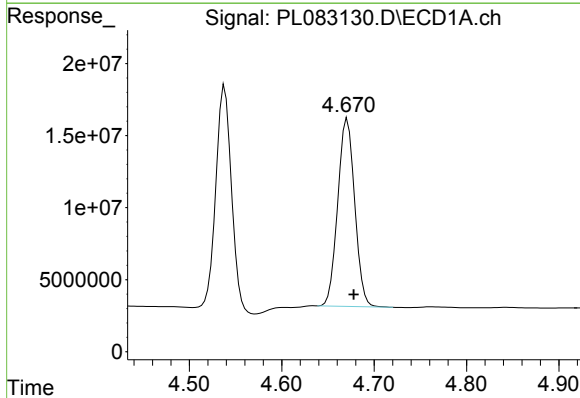
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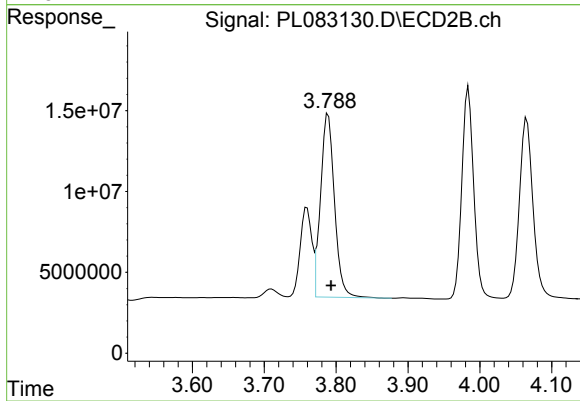
#3 gamma-BHC (Lindane)

R.T.: 3.459 min
Delta R.T.: -0.003 min
Response: 162322544
Conc: 48.70 ng/ml



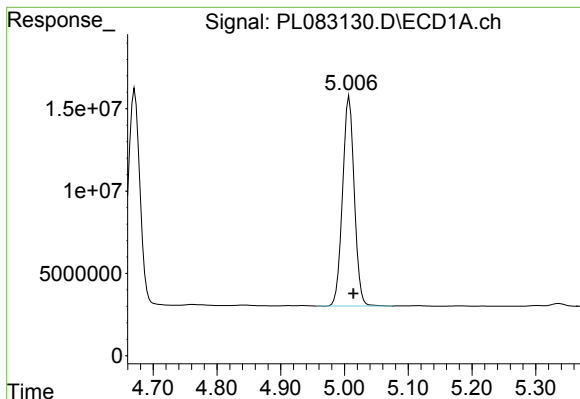
#4 Heptachlor

R.T.: 4.671 min
Delta R.T.: -0.007 min
Response: 166534606
Conc: 43.57 ng/ml



#4 Heptachlor

R.T.: 3.789 min
Delta R.T.: -0.004 min
Response: 153044647
Conc: 41.80 ng/ml



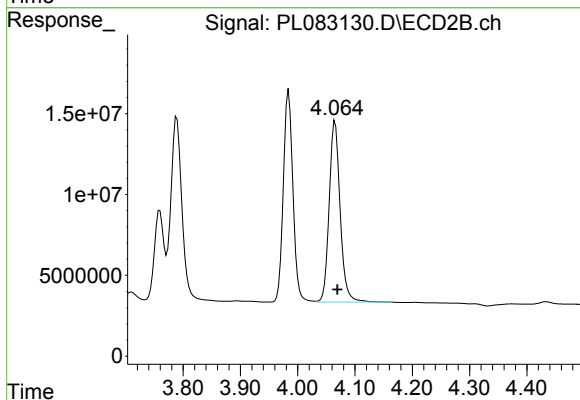
#5 Aldrin

R.T.: 5.008 min
Delta R.T.: -0.006 min
Response: 162802325
Conc: 46.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PNNL-RH-524-1MS

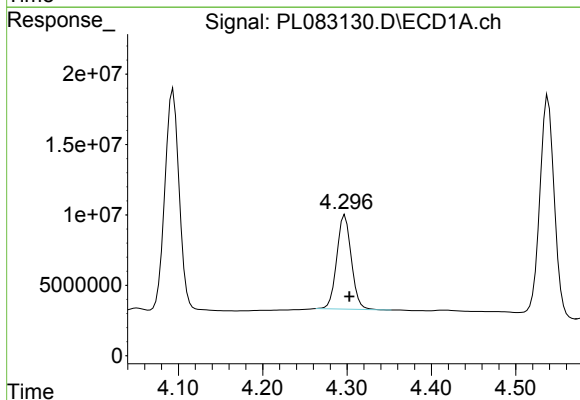
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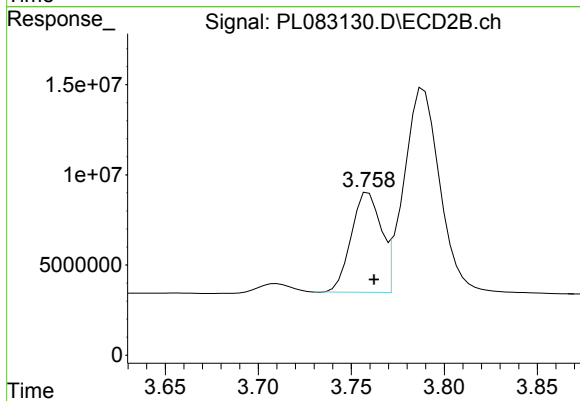
#5 Aldrin

R.T.: 4.065 min
Delta R.T.: -0.004 min
Response: 148688766
Conc: 45.70 ng/ml



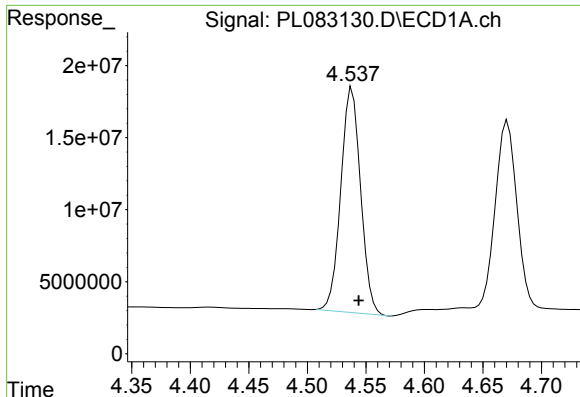
#6 beta-BHC

R.T.: 4.298 min
Delta R.T.: -0.005 min
Response: 80213967
Conc: 42.61 ng/ml



#6 beta-BHC

R.T.: 3.759 min
Delta R.T.: -0.003 min
Response: 61600327
Conc: 43.07 ng/ml



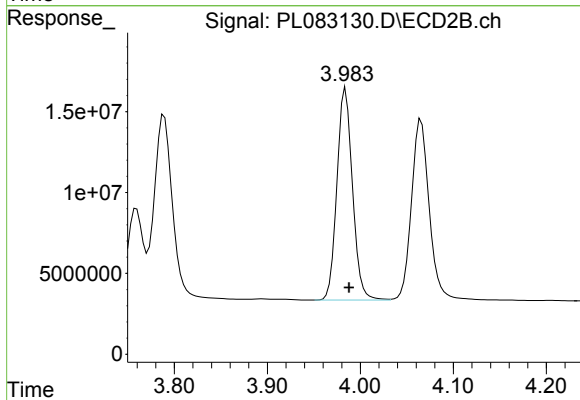
#7 delta-BHC

R.T.: 4.538 min
Delta R.T.: -0.006 min
Response: 183810691
Conc: 53.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PNNL-RH-524-1MS

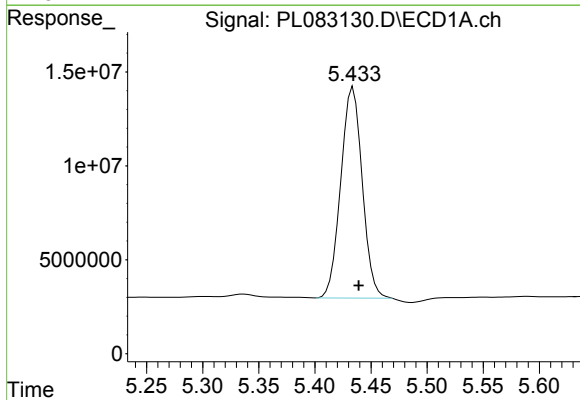
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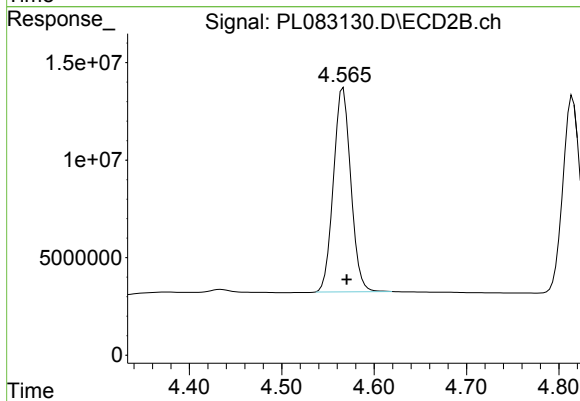
#7 delta-BHC

R.T.: 3.984 min
Delta R.T.: -0.004 min
Response: 152505129
Conc: 46.55 ng/ml



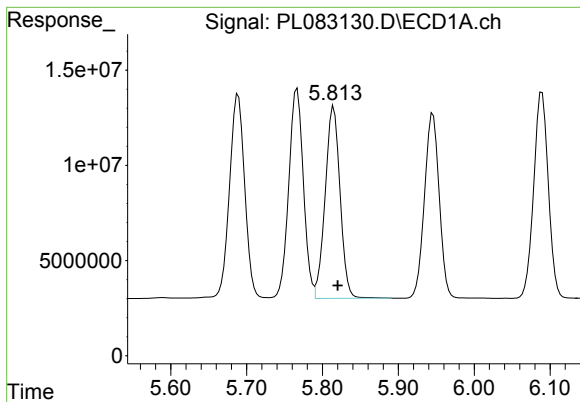
#8 Heptachlor epoxide

R.T.: 5.434 min
Delta R.T.: -0.005 min
Response: 149609336
Conc: 46.77 ng/ml



#8 Heptachlor epoxide

R.T.: 4.567 min
Delta R.T.: -0.004 min
Response: 136820625
Conc: 46.10 ng/ml



#9 Endosulfan I

R.T.: 5.815 min
Delta R.T.: -0.005 min
Response: 137971276
Conc: 45.98 ng/ml

Instrument :

ECD_L

ClientSampleId :

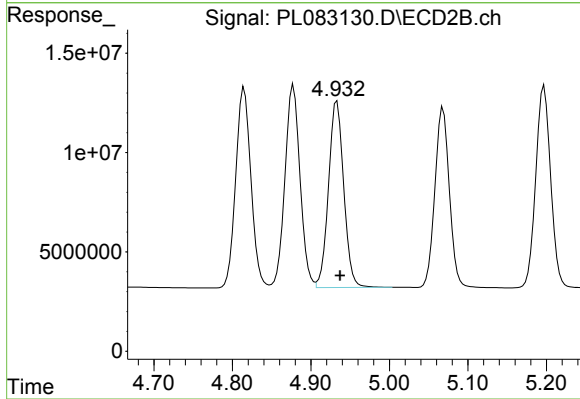
PNNL-RH-524-1MS

Manual Integrations

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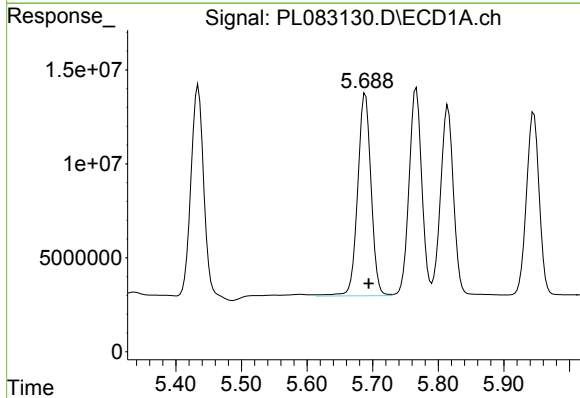
Reviewed By :Abdul Mirza 06/01/2023

Supervised By :Ankita Jodhani 06/01/2023



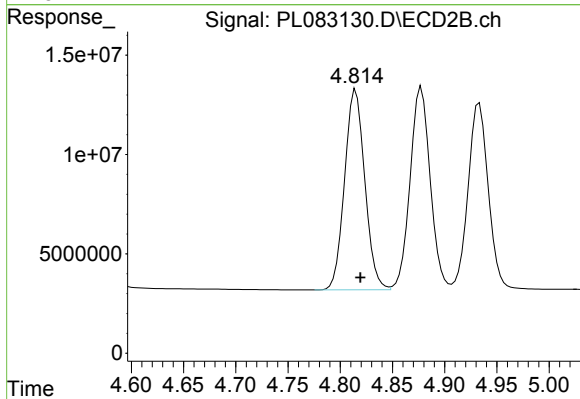
#9 Endosulfan I

R.T.: 4.933 min
Delta R.T.: -0.004 min
Response: 126557739
Conc: 45.29 ng/ml



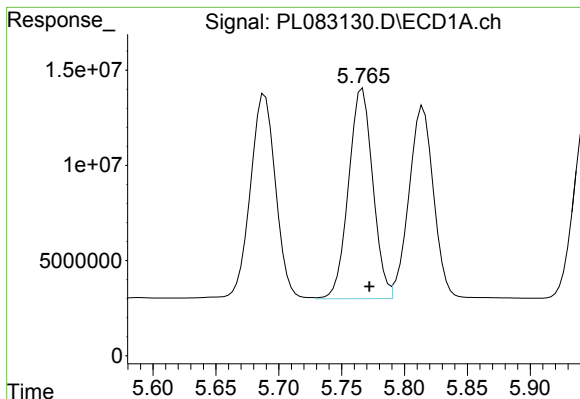
#10 gamma-Chlordane

R.T.: 5.689 min
Delta R.T.: -0.005 min
Response: 152733231
Conc: 48.08 ng/ml



#10 gamma-Chlordane

R.T.: 4.815 min
Delta R.T.: -0.004 min
Response: 135698663
Conc: 45.18 ng/ml



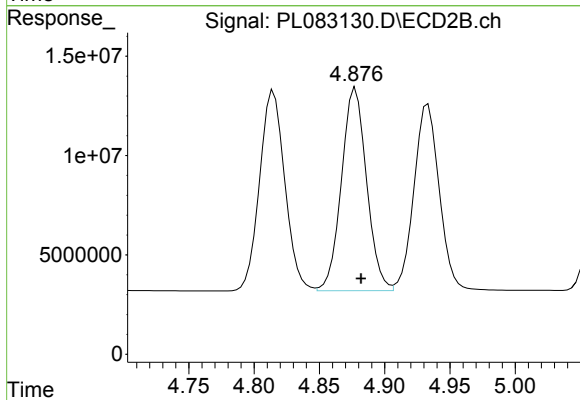
#11 alpha-Chlordane

R.T.: 5.767 min
Delta R.T.: -0.005 min
Response: 148412049
Conc: 46.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PNNL-RH-524-1MS

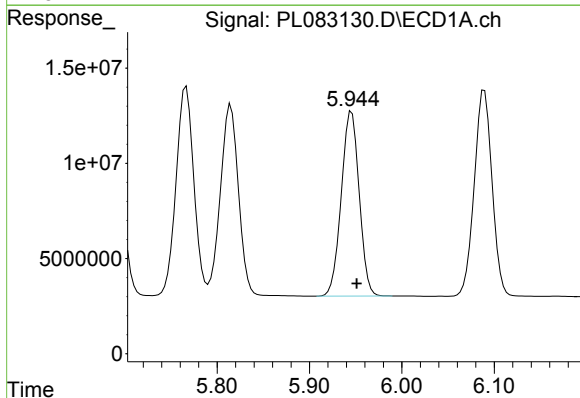
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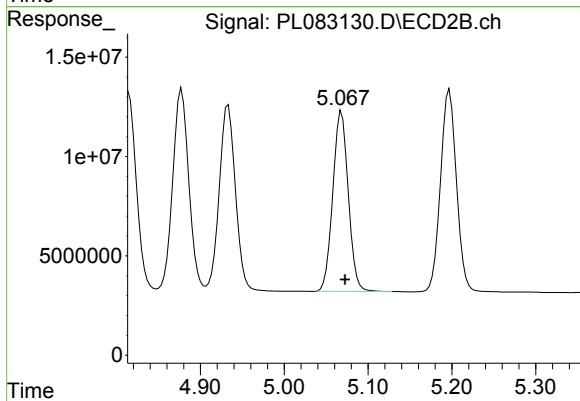
#11 alpha-Chlordane

R.T.: 4.878 min
Delta R.T.: -0.004 min
Response: 136725748
Conc: 45.55 ng/ml



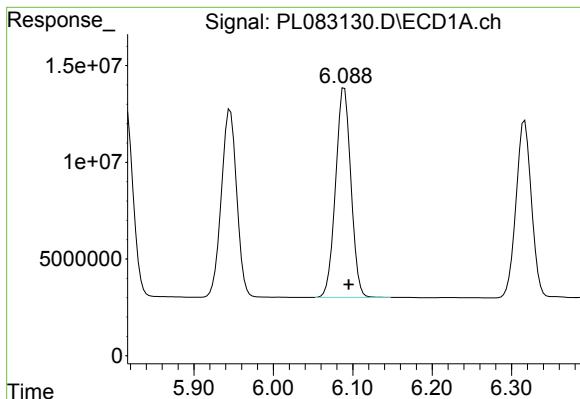
#12 4,4'-DDE

R.T.: 5.946 min
Delta R.T.: -0.005 min
Response: 130775561
Conc: 47.44 ng/ml



#12 4,4'-DDE

R.T.: 5.068 min
Delta R.T.: -0.004 min
Response: 116136621
Conc: 47.82 ng/ml



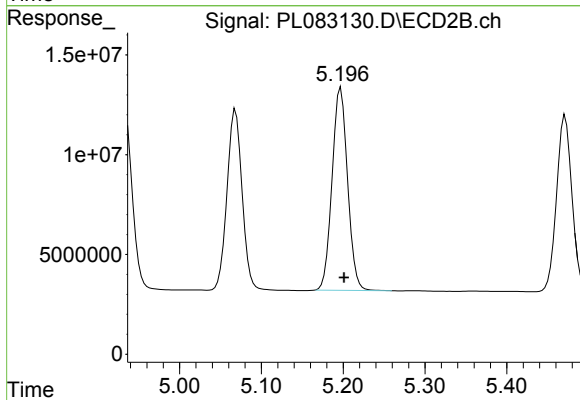
#13 Dieldrin

R.T.: 6.089 min
Delta R.T.: -0.006 min
Response: 145330848
Conc: 48.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PNNL-RH-524-1MS

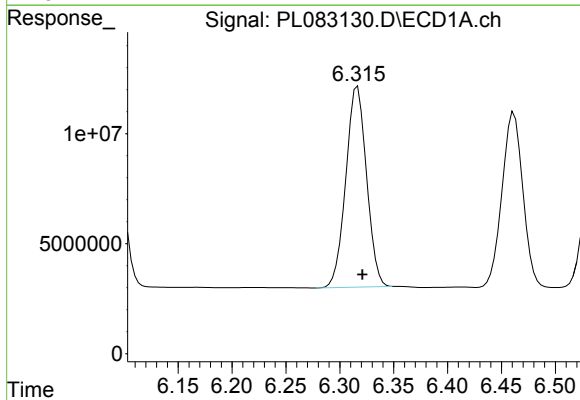
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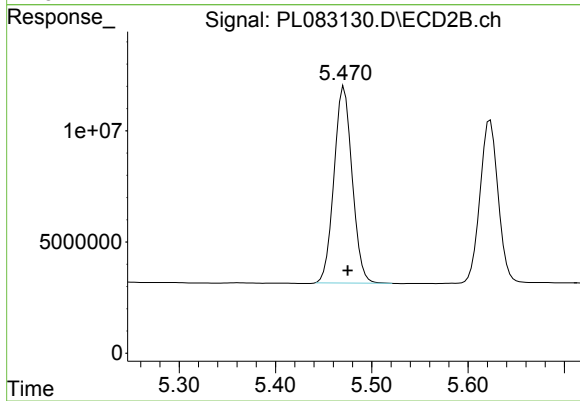
#13 Dieldrin

R.T.: 5.197 min
Delta R.T.: -0.004 min
Response: 133823763
Conc: 47.41 ng/ml



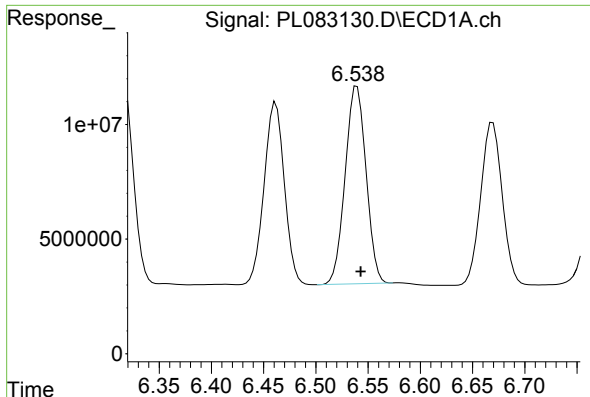
#14 Endrin

R.T.: 6.316 min
Delta R.T.: -0.005 min
Response: 122406180
Conc: 45.55 ng/ml



#14 Endrin

R.T.: 5.471 min
Delta R.T.: -0.004 min
Response: 115684241
Conc: 45.60 ng/ml



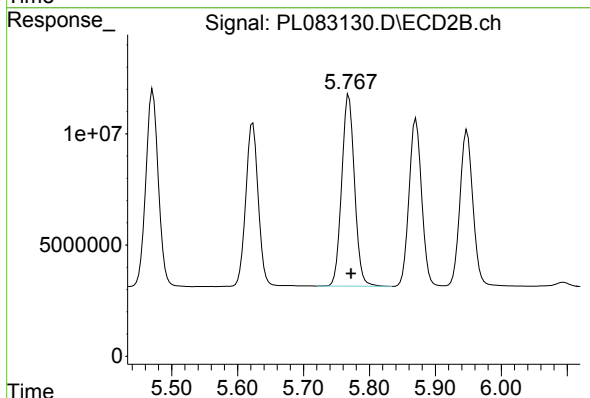
#15 Endosulfan II

R.T.: 6.539 min
Delta R.T.: -0.004 min
Response: 119907241
Conc: 44.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PNNL-RH-524-1MS

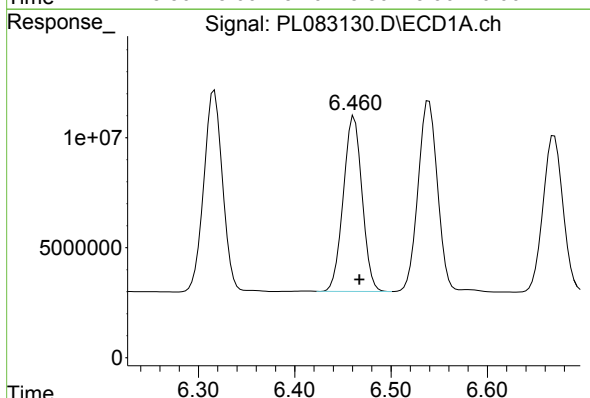
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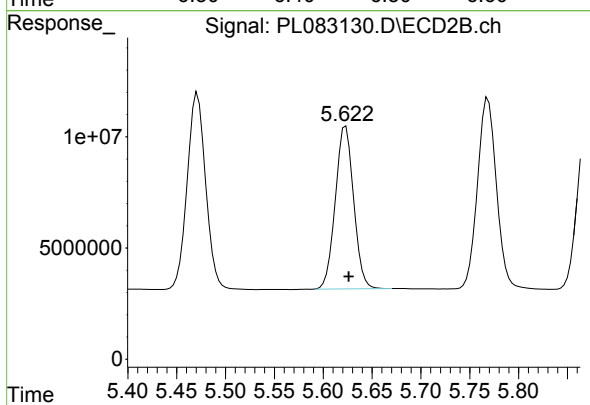
#15 Endosulfan II

R.T.: 5.769 min
Delta R.T.: -0.003 min
Response: 116484885
Conc: 47.08 ng/ml



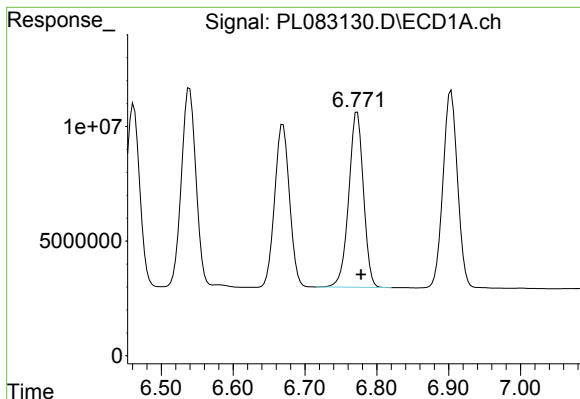
#16 4,4'-DDD

R.T.: 6.462 min
Delta R.T.: -0.005 min
Response: 107240845
Conc: 49.35 ng/ml



#16 4,4'-DDD

R.T.: 5.623 min
Delta R.T.: -0.003 min
Response: 95433960
Conc: 49.62 ng/ml



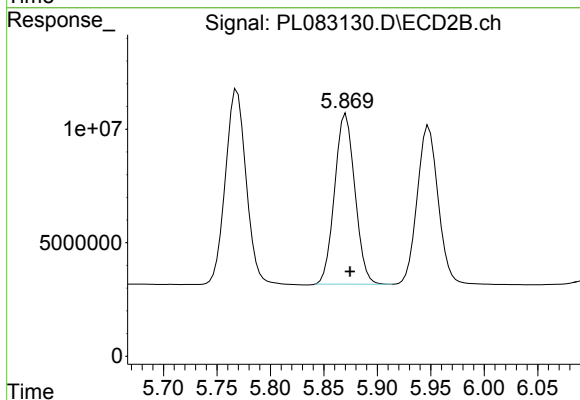
#17 4,4'-DDT

R.T.: 6.773 min
Delta R.T.: -0.005 min
Response: 108440510
Conc: 43.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PNNL-RH-524-1MS

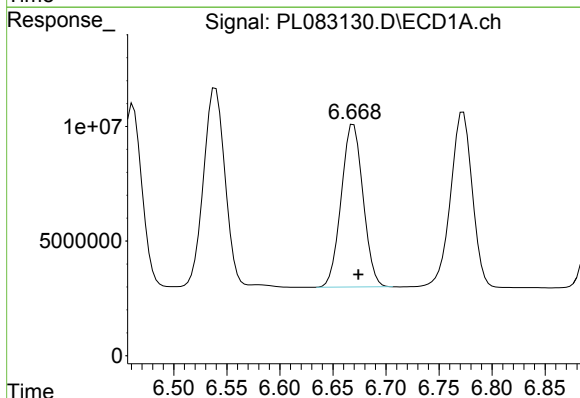
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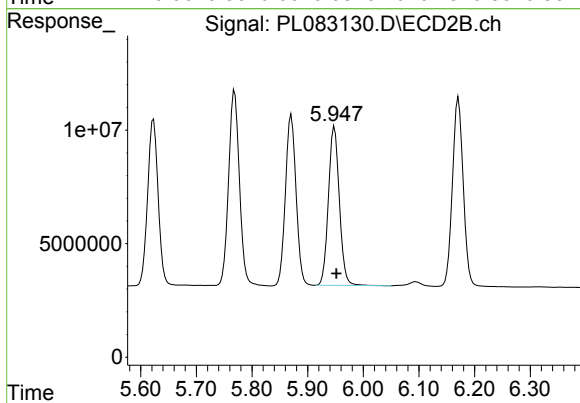
#17 4,4'-DDT

R.T.: 5.871 min
Delta R.T.: -0.004 min
Response: 99166408
Conc: 44.45 ng/ml



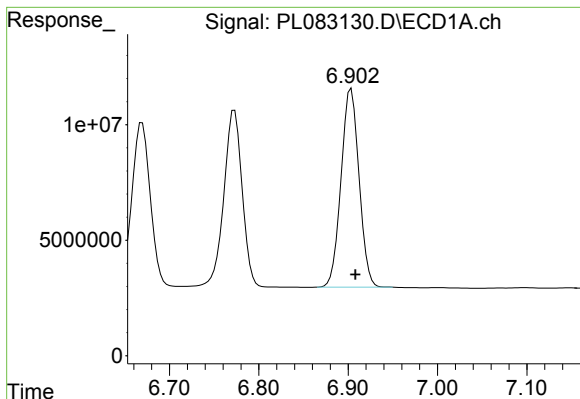
#18 Endrin aldehyde

R.T.: 6.668 min
Delta R.T.: -0.006 min
Response: 101403416
Conc: 50.43 ng/ml m



#18 Endrin aldehyde

R.T.: 5.948 min
Delta R.T.: -0.004 min
Response: 95704147
Conc: 48.40 ng/ml



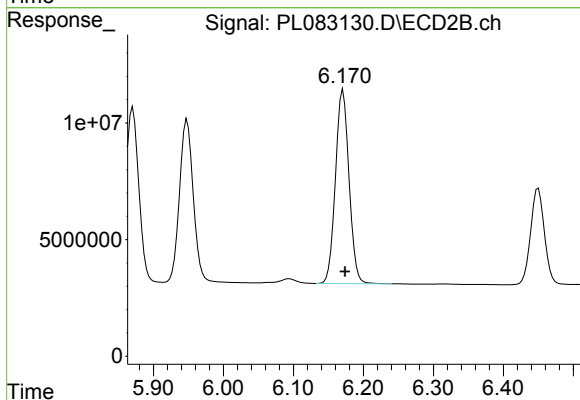
#19 Endosulfan Sulfate

R.T.: 6.903 min
Delta R.T.: -0.005 min
Response: 120241370
Conc: 46.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PNNL-RH-524-1MS

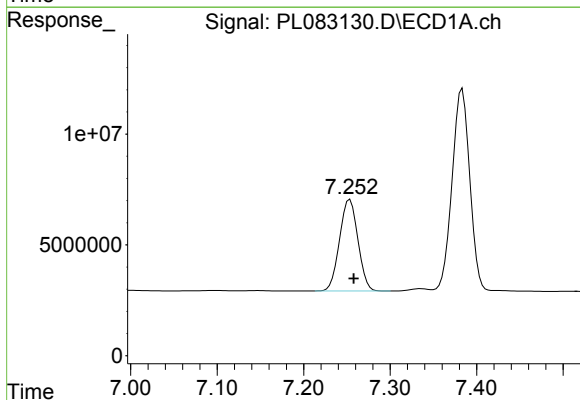
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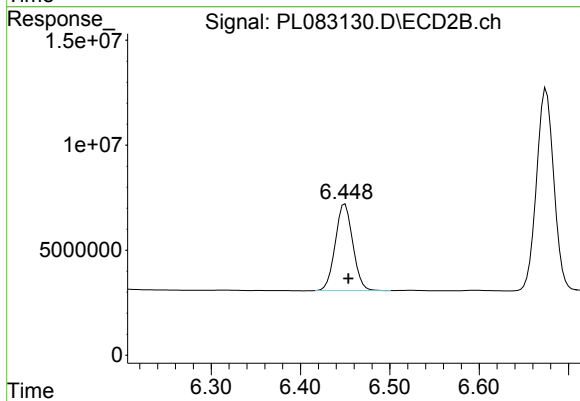
#19 Endosulfan Sulfate

R.T.: 6.171 min
Delta R.T.: -0.003 min
Response: 111856451
Conc: 45.67 ng/ml



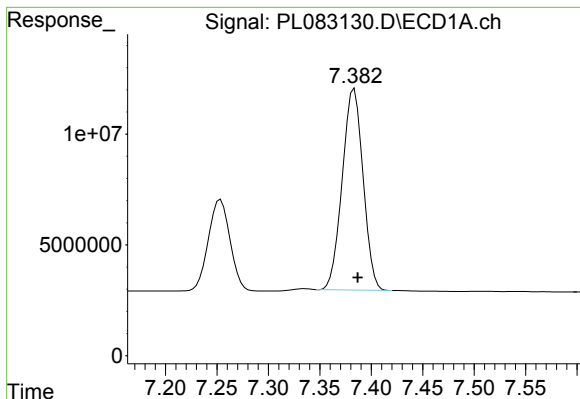
#20 Methoxychlor

R.T.: 7.254 min
Delta R.T.: -0.004 min
Response: 60568679
Conc: 45.80 ng/ml



#20 Methoxychlor

R.T.: 6.450 min
Delta R.T.: -0.004 min
Response: 56317070
Conc: 44.28 ng/ml



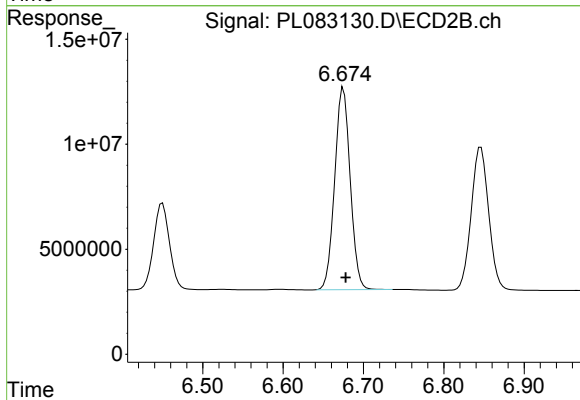
#21 Endrin ketone

R.T.: 7.383 min
Delta R.T.: -0.004 min
Response: 128090853
Conc: 50.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PNNL-RH-524-1MS

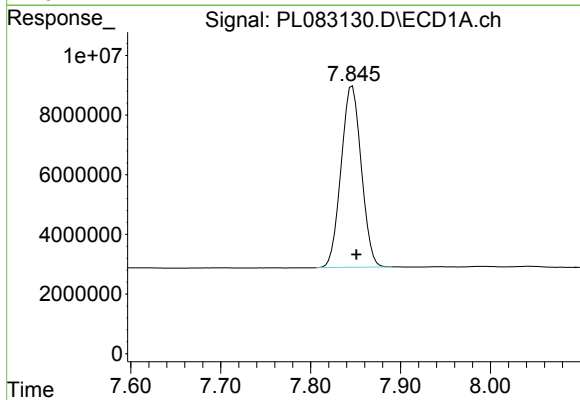
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/01/2023
Supervised By :Ankita Jodhani 06/01/2023



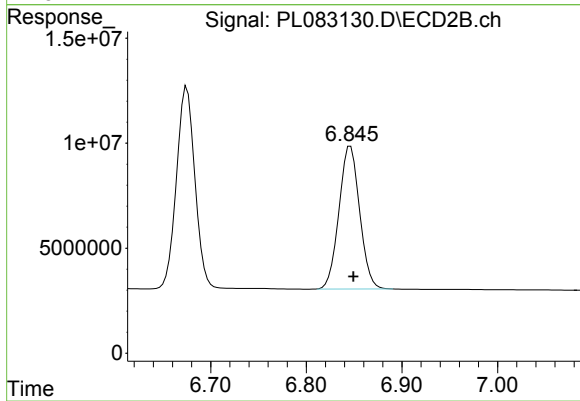
#21 Endrin ketone

R.T.: 6.675 min
Delta R.T.: -0.003 min
Response: 129187497
Conc: 47.78 ng/ml



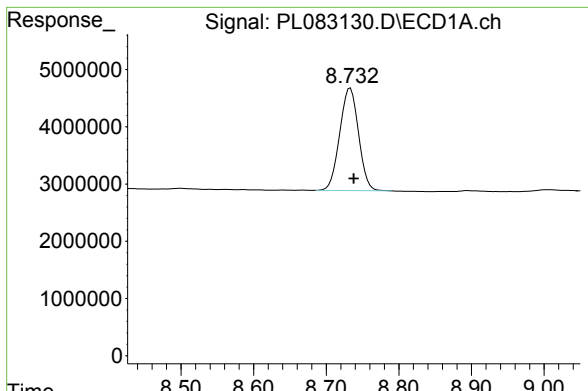
#22 Mirex

R.T.: 7.846 min
Delta R.T.: -0.005 min
Response: 94804755
Conc: 45.23 ng/ml



#22 Mirex

R.T.: 6.846 min
Delta R.T.: -0.003 min
Response: 102365100
Conc: 43.75 ng/ml



#28 Decachlorobiphenyl

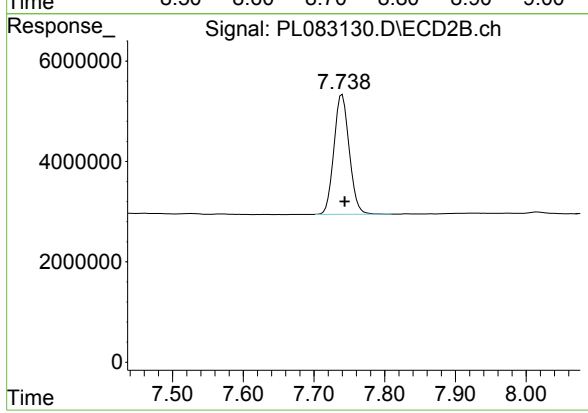
R.T.: 8.733 min
Delta R.T.: -0.005 min
Response: 32294202
Conc: 15.40 ng/ml

Instrument :
ECD_L

ClientSampleId :
PNNL-RH-524-1MS

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.740 min
Delta R.T.: -0.004 min
Response: 35870151
Conc: 14.43 ng/ml