

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053123\
 Data File : PL083131.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 May 2023 17:53
 Operator : AR\AJ
 Sample : 02953-03MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

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

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 05:11:46 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	56997815	50034706	19.393	19.273
28)	SA Decachlor...	8.729	7.737	32458536	36416522	15.476	14.645
Target Compounds							
2)	A alpha-BHC	3.765	3.131	194.9E6	164.4E6	43.910	44.064
3)	MA gamma-BHC...	4.092	3.458	185.4E6	162.7E6	44.759	48.818
4)	MA Heptachlor	4.669	3.788	168.1E6	154.6E6	43.983	42.217
5)	MB Aldrin	5.005	4.064	165.4E6	149.2E6	47.008	45.842
6)	B beta-BHC	4.296	3.758	80990050	62821359	43.017	43.928
7)	B delta-BHC	4.537	3.983	185.6E6	153.6E6	53.980	46.895
8)	B Heptachlo...	5.432	4.565	151.3E6	137.5E6	47.299	46.328
9)	A Endosulfan I	5.812	4.931	140.0E6	127.5E6	46.670	45.636
10)	B gamma-Chl...	5.685	4.813	149.4E6	136.6E6	47.027m	45.481
11)	B alpha-Chl...	5.764	4.876	150.4E6	137.6E6	46.855	45.821
12)	B 4,4'-DDE	5.943	5.066	132.5E6	116.7E6	48.068	48.045
13)	MA Dieldrin	6.087	5.195	147.0E6	134.3E6	48.864	47.568
14)	MA Endrin	6.314	5.469	124.3E6	116.0E6	46.249	45.713
15)	B Endosulfa...	6.537	5.766	121.5E6	117.3E6	45.563	47.407
16)	A 4,4'-DDD	6.459	5.621	109.4E6	96382987	50.366	50.115
17)	MA 4,4'-DDT	6.770	5.866	109.0E6	100.1E6	43.528	44.848m
18)	B Endrin al...	6.665	5.945	102.4E6	95685674	50.912m	48.388
19)	B Endosulfa...	6.901	6.168	120.8E6	113.1E6	47.128	46.163
20)	A Methoxychlor	7.251	6.447	60554035	56545847	45.792	44.463
21)	B Endrin ke...	7.380	6.672	129.8E6	130.1E6	50.884	48.129
22)	Mirex	7.843	6.843	95520964	103.7E6	45.572	44.308

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053123\
 Data File : PL083131.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 May 2023 17:53
 Operator : AR\AJ
 Sample : 02953-03MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

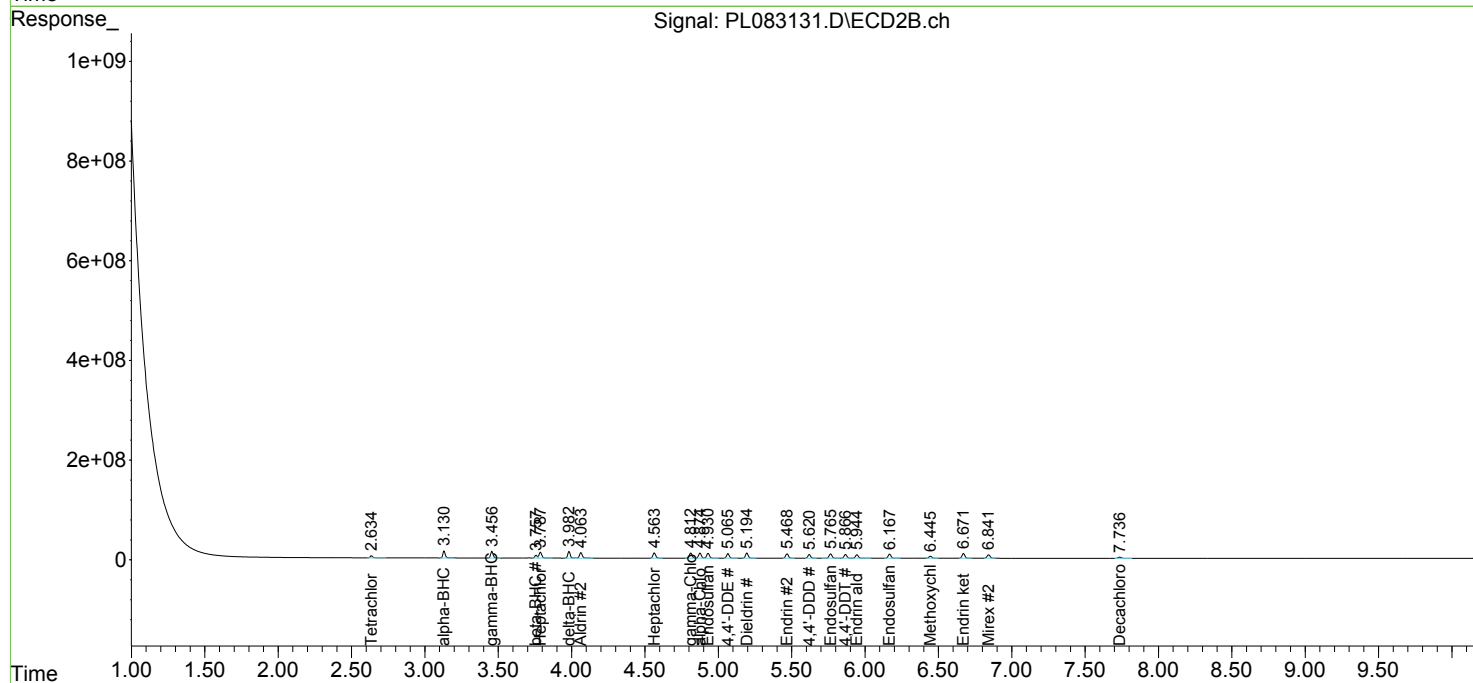
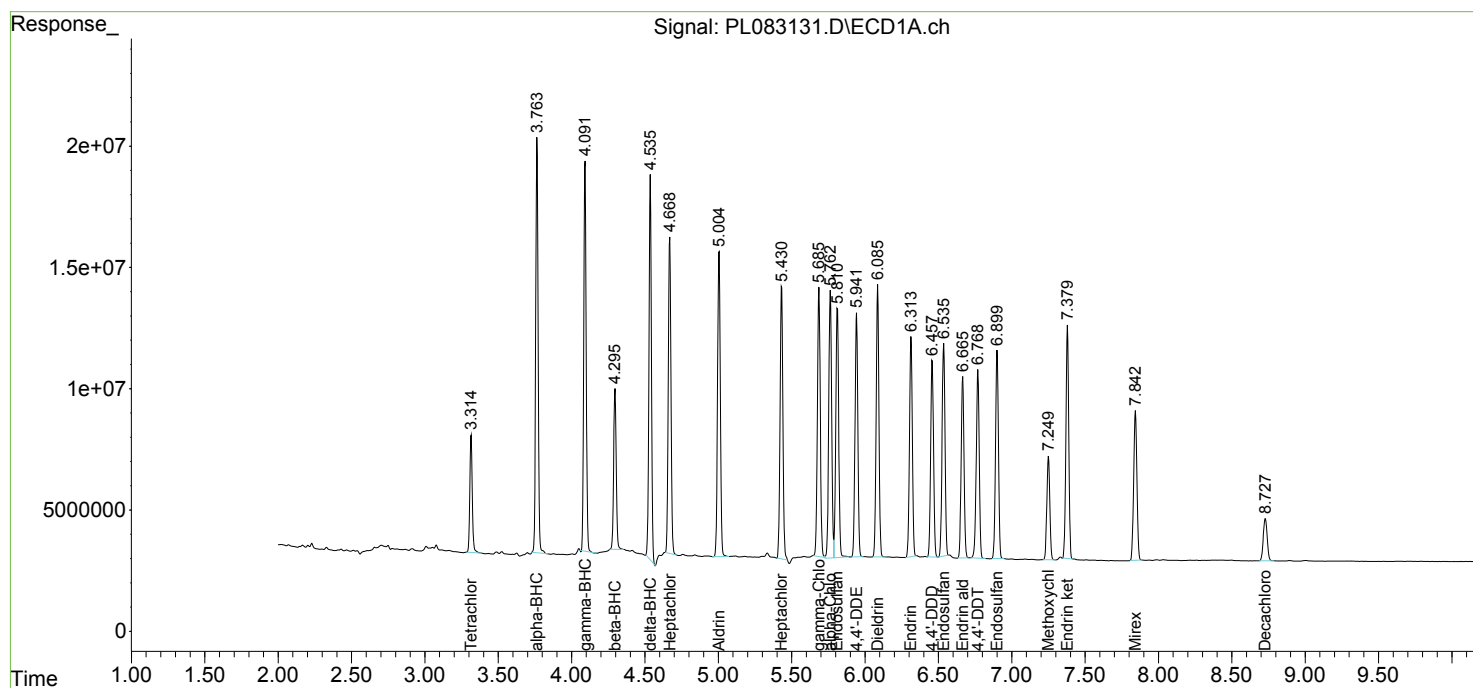
Instrument :
 ECD_L
 ClientSampleId :
 PNNL-RH-524-1MSD

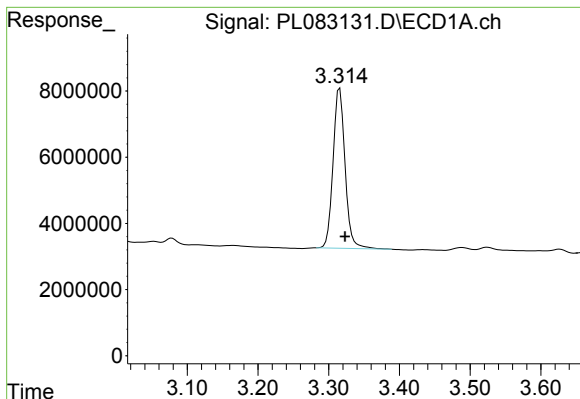
Manual Integrations
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Reviewed By :Abdul Mirza 06/01/2023
 Supervised By :Ankita Jodhani 06/01/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 01 05:11:46 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
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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





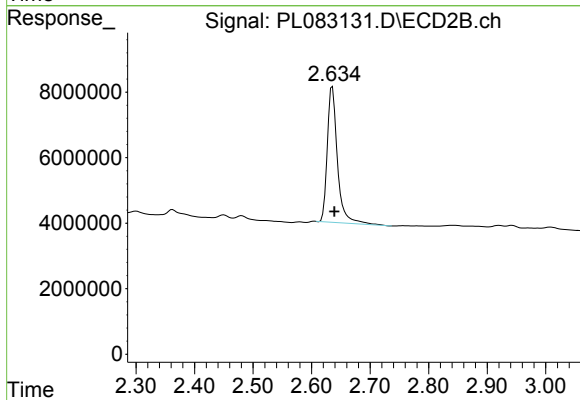
#1 Tetrachloro-m-xylene

R.T.: 3.316 min
Delta R.T.: -0.007 min
Response: 56997815
Conc: 19.39 ng/ml

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

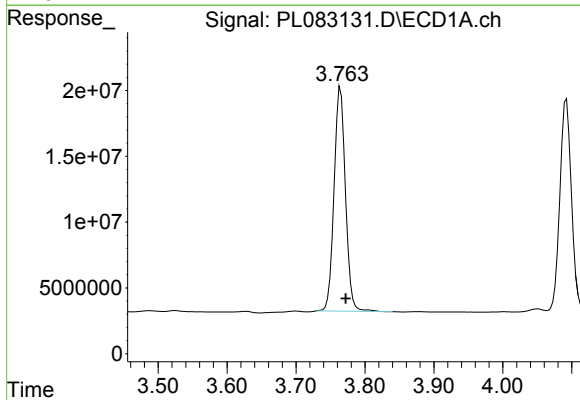
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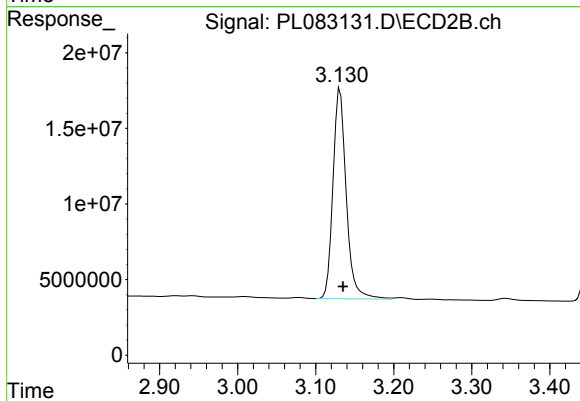
#1 Tetrachloro-m-xylene

R.T.: 2.636 min
Delta R.T.: -0.003 min
Response: 50034706
Conc: 19.27 ng/ml



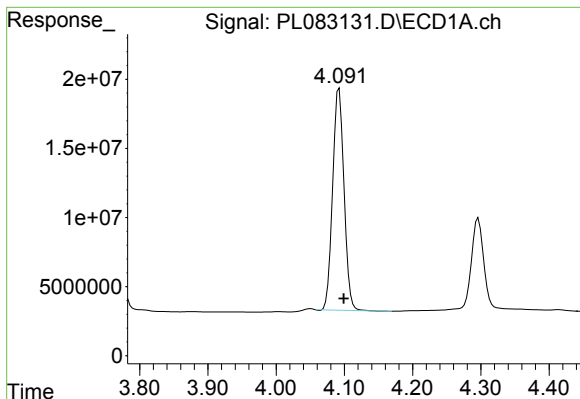
#2 alpha-BHC

R.T.: 3.765 min
Delta R.T.: -0.007 min
Response: 194925934
Conc: 43.91 ng/ml



#2 alpha-BHC

R.T.: 3.131 min
Delta R.T.: -0.004 min
Response: 164423260
Conc: 44.06 ng/ml



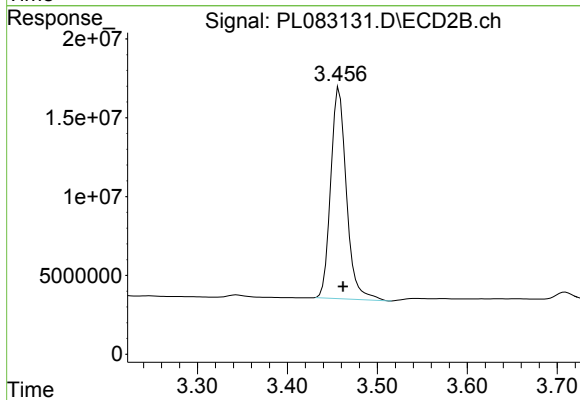
#3 gamma-BHC (Lindane)

R.T.: 4.092 min
Delta R.T.: -0.007 min
Response: 185434050
Conc: 44.76 ng/ml

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

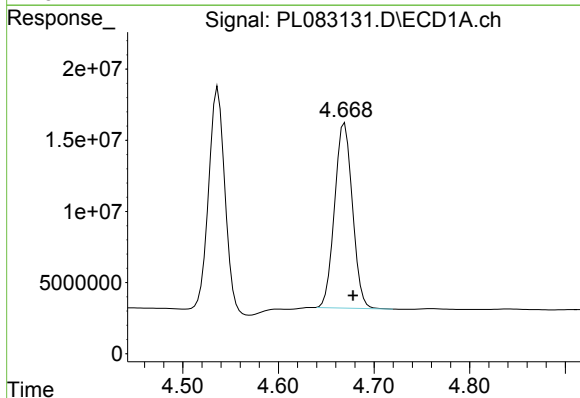
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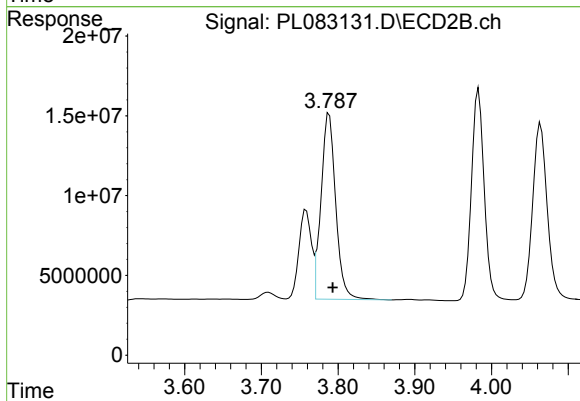
#3 gamma-BHC (Lindane)

R.T.: 3.458 min
Delta R.T.: -0.004 min
Response: 162726508
Conc: 48.82 ng/ml



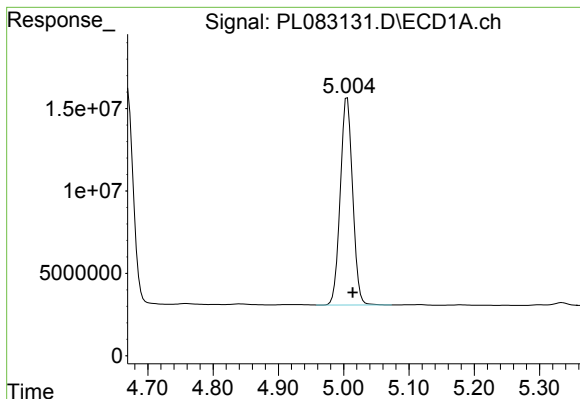
#4 Heptachlor

R.T.: 4.669 min
Delta R.T.: -0.009 min
Response: 168122318
Conc: 43.98 ng/ml



#4 Heptachlor

R.T.: 3.788 min
Delta R.T.: -0.005 min
Response: 154560684
Conc: 42.22 ng/ml



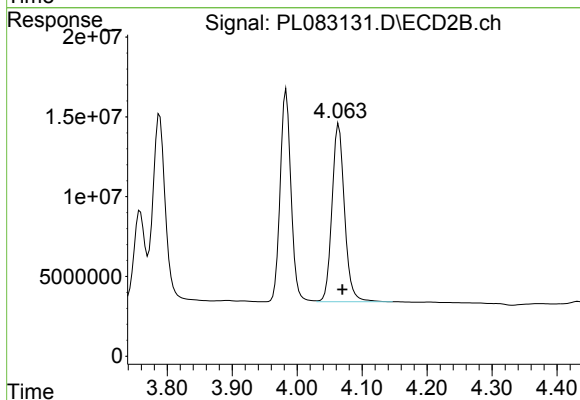
#5 Aldrin

R.T.: 5.005 min
Delta R.T.: -0.009 min
Response: 165378126
Conc: 47.01 ng/ml

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

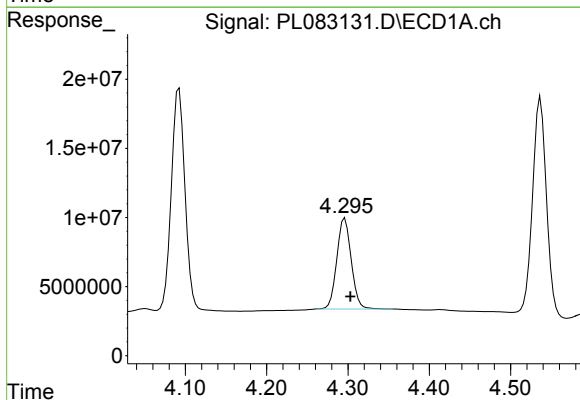
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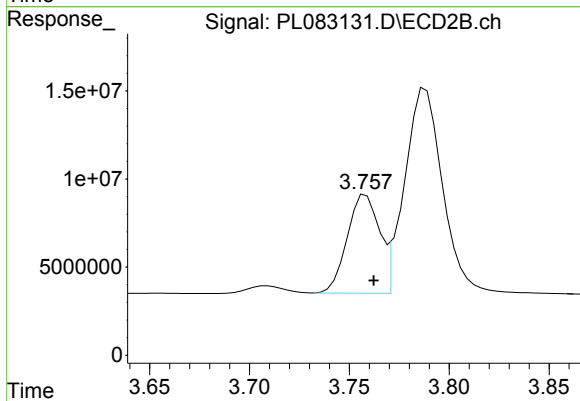
#5 Aldrin

R.T.: 4.064 min
Delta R.T.: -0.006 min
Response: 149153517
Conc: 45.84 ng/ml



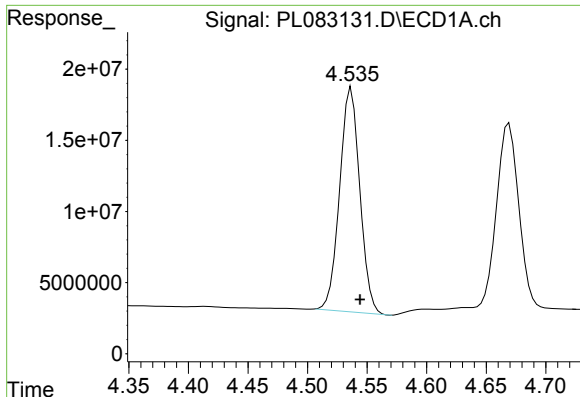
#6 beta-BHC

R.T.: 4.296 min
Delta R.T.: -0.007 min
Response: 80990050
Conc: 43.02 ng/ml



#6 beta-BHC

R.T.: 3.758 min
Delta R.T.: -0.004 min
Response: 62821359
Conc: 43.93 ng/ml



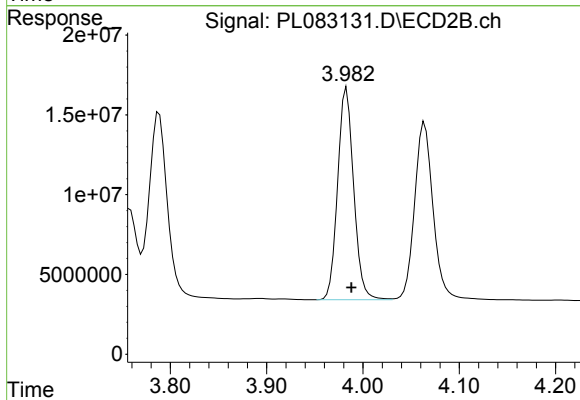
#7 delta-BHC

R.T.: 4.537 min
Delta R.T.: -0.007 min
Response: 185631255
Conc: 53.98 ng/ml

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

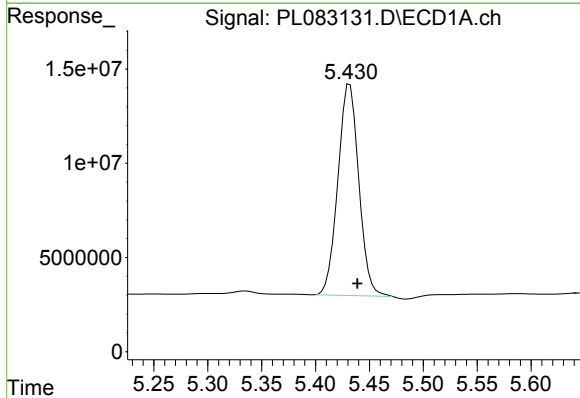
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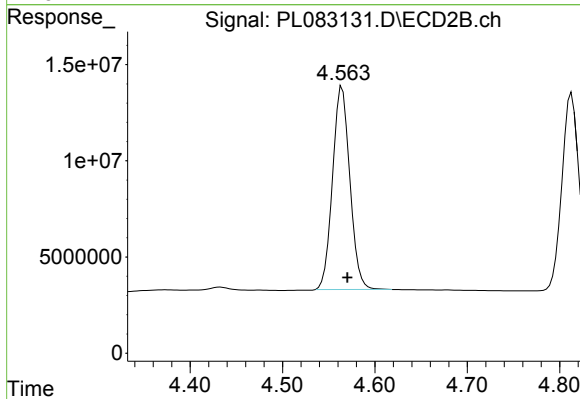
#7 delta-BHC

R.T.: 3.983 min
Delta R.T.: -0.005 min
Response: 153648456
Conc: 46.89 ng/ml



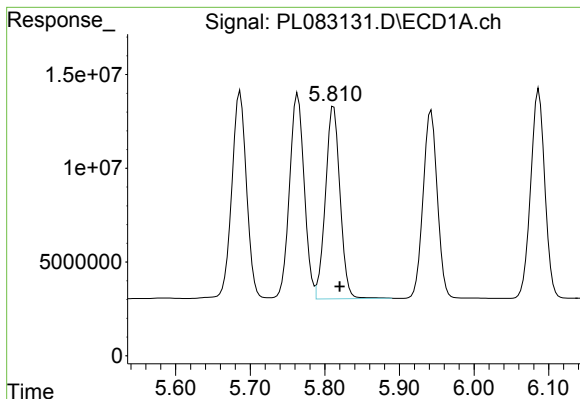
#8 Heptachlor epoxide

R.T.: 5.432 min
Delta R.T.: -0.007 min
Response: 151296133
Conc: 47.30 ng/ml



#8 Heptachlor epoxide

R.T.: 4.565 min
Delta R.T.: -0.006 min
Response: 137497613
Conc: 46.33 ng/ml



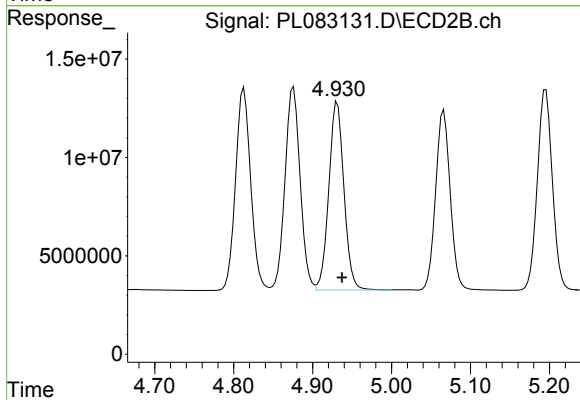
#9 Endosulfan I

R.T.: 5.812 min
Delta R.T.: -0.008 min
Response: 140036388
Conc: 46.67 ng/ml

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

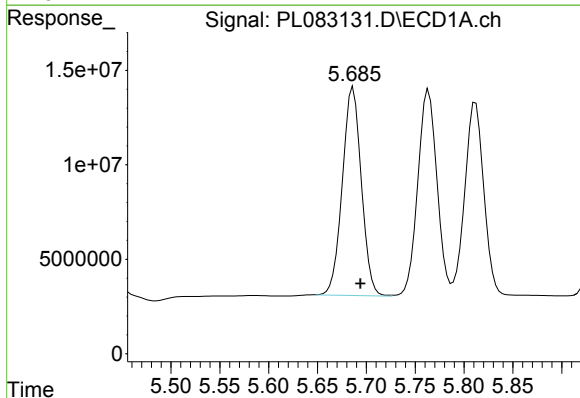
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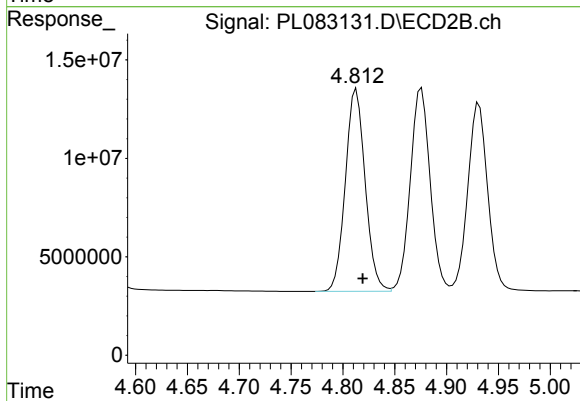
#9 Endosulfan I

R.T.: 4.931 min
Delta R.T.: -0.006 min
Response: 127522855
Conc: 45.64 ng/ml



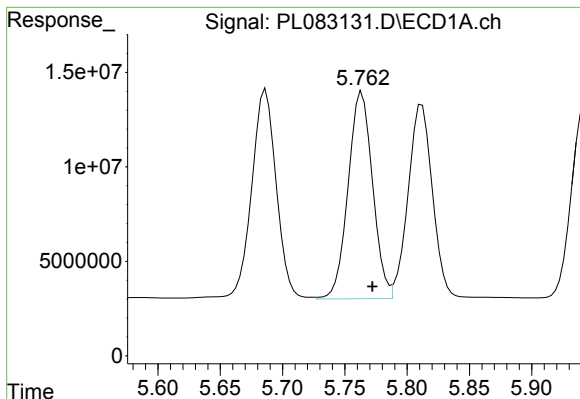
#10 gamma-Chlordane

R.T.: 5.685 min
Delta R.T.: -0.009 min
Response: 149404120
Conc: 47.03 ng/ml m



#10 gamma-Chlordane

R.T.: 4.813 min
Delta R.T.: -0.006 min
Response: 136597610
Conc: 45.48 ng/ml



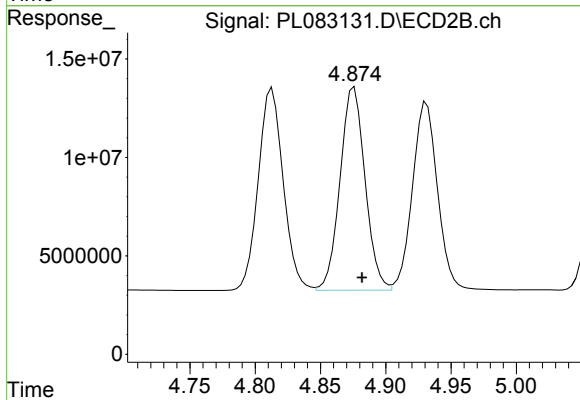
#11 alpha-Chlordane

R.T.: 5.764 min
Delta R.T.: -0.008 min
Response: 150372159
Conc: 46.85 ng/ml

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

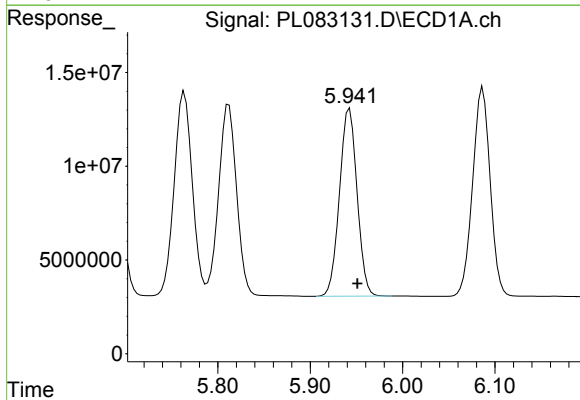
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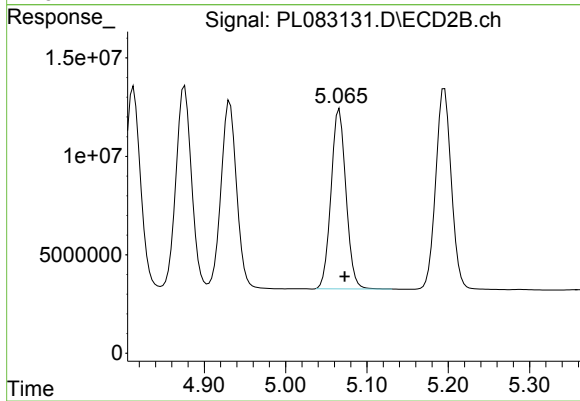
#11 alpha-Chlordane

R.T.: 4.876 min
Delta R.T.: -0.006 min
Response: 137553861
Conc: 45.82 ng/ml



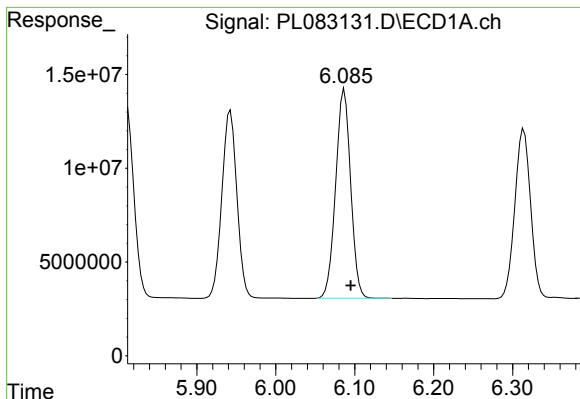
#12 4,4'-DDE

R.T.: 5.943 min
Delta R.T.: -0.008 min
Response: 132499834
Conc: 48.07 ng/ml



#12 4,4'-DDE

R.T.: 5.066 min
Delta R.T.: -0.006 min
Response: 116690917
Conc: 48.05 ng/ml



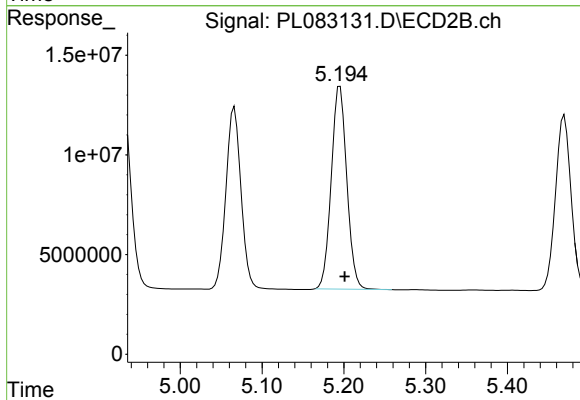
#13 Dieldrin

R.T.: 6.087 min
Delta R.T.: -0.008 min
Response: 146976664
Conc: 48.86 ng/ml

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

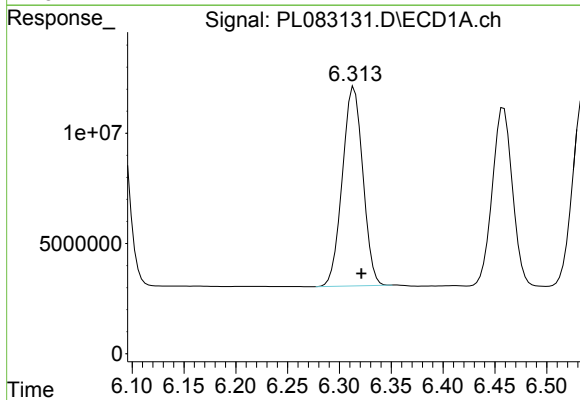
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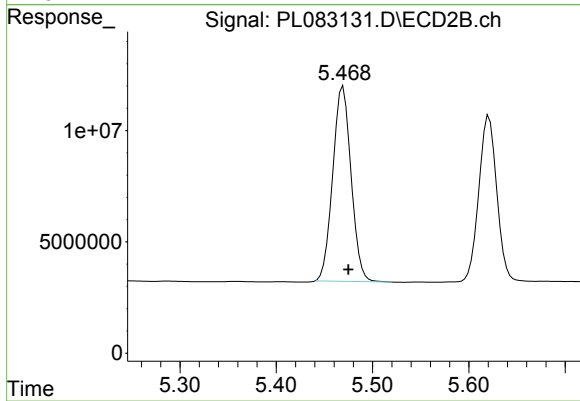
#13 Dieldrin

R.T.: 5.195 min
Delta R.T.: -0.006 min
Response: 134279647
Conc: 47.57 ng/ml



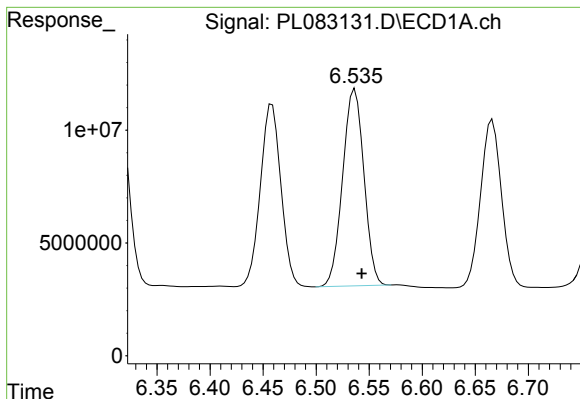
#14 Endrin

R.T.: 6.314 min
Delta R.T.: -0.007 min
Response: 124283829
Conc: 46.25 ng/ml



#14 Endrin

R.T.: 5.469 min
Delta R.T.: -0.006 min
Response: 115971488
Conc: 45.71 ng/ml



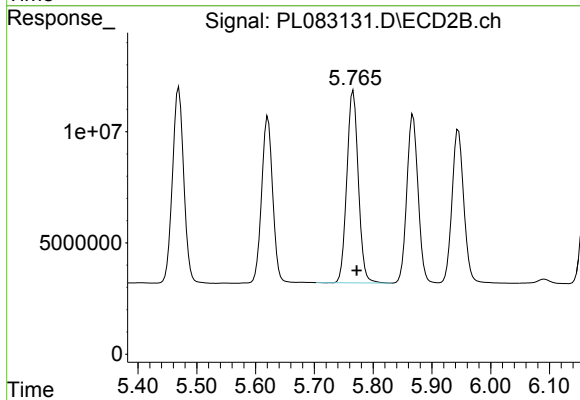
#15 Endosulfan II

R.T.: 6.537 min
Delta R.T.: -0.006 min
Response: 121487277
Conc: 45.56 ng/ml

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

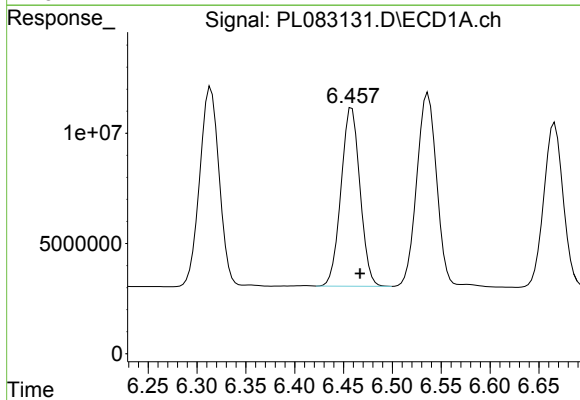
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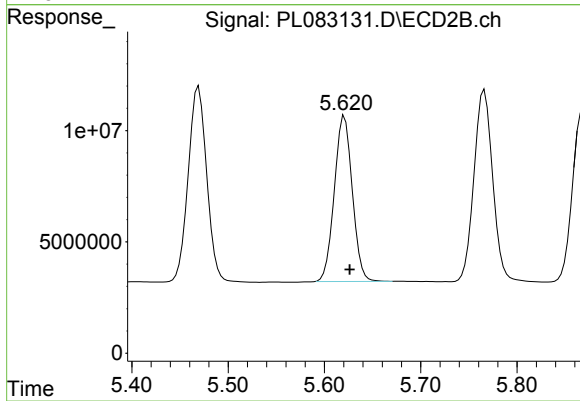
#15 Endosulfan II

R.T.: 5.766 min
Delta R.T.: -0.006 min
Response: 117293799
Conc: 47.41 ng/ml



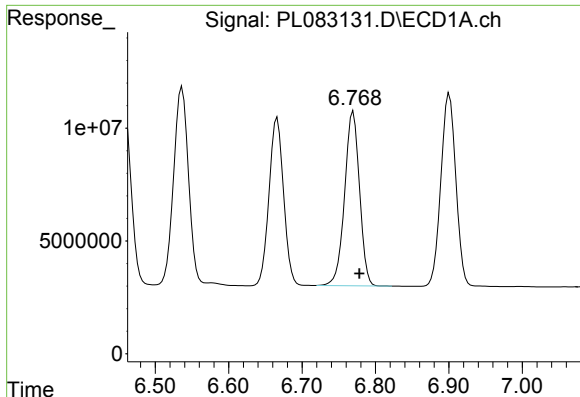
#16 4,4'-DDD

R.T.: 6.459 min
Delta R.T.: -0.008 min
Response: 109448647
Conc: 50.37 ng/ml



#16 4,4'-DDD

R.T.: 5.621 min
Delta R.T.: -0.005 min
Response: 96382987
Conc: 50.12 ng/ml



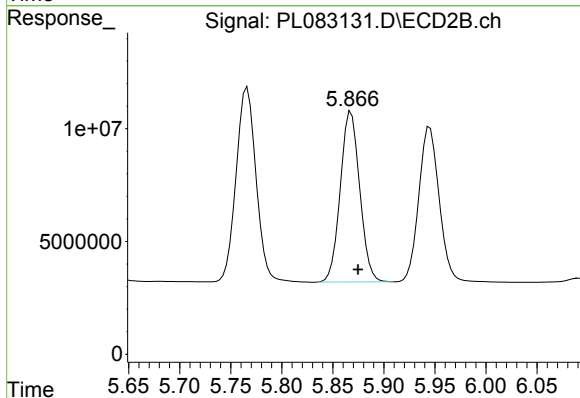
#17 4,4'-DDT

R.T.: 6.770 min
Delta R.T.: -0.008 min
Response: 108959447
Conc: 43.53 ng/ml

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

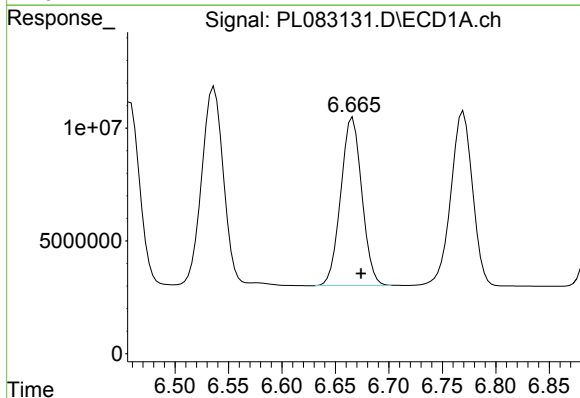
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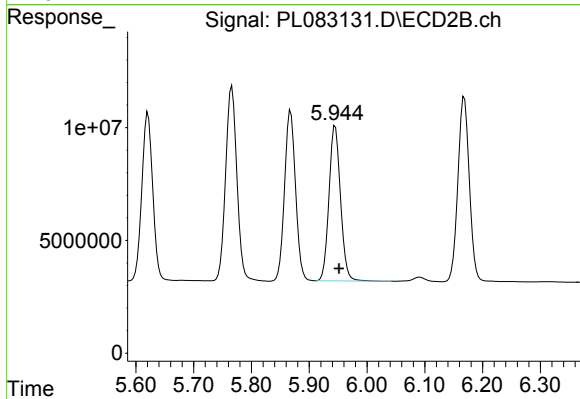
#17 4,4'-DDT

R.T.: 5.866 min
Delta R.T.: -0.008 min
Response: 100058139
Conc: 44.85 ng/ml m



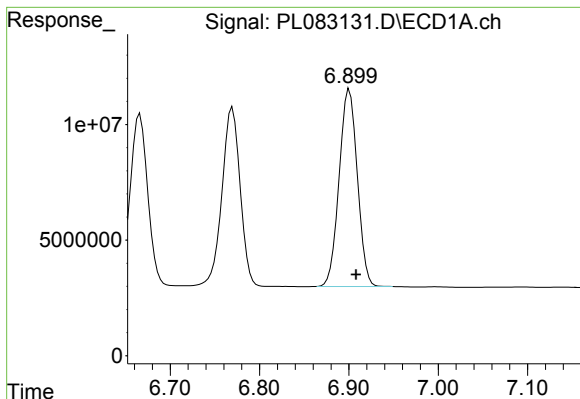
#18 Endrin aldehyde

R.T.: 6.665 min
Delta R.T.: -0.009 min
Response: 102366168
Conc: 50.91 ng/ml m



#18 Endrin aldehyde

R.T.: 5.945 min
Delta R.T.: -0.007 min
Response: 95685674
Conc: 48.39 ng/ml



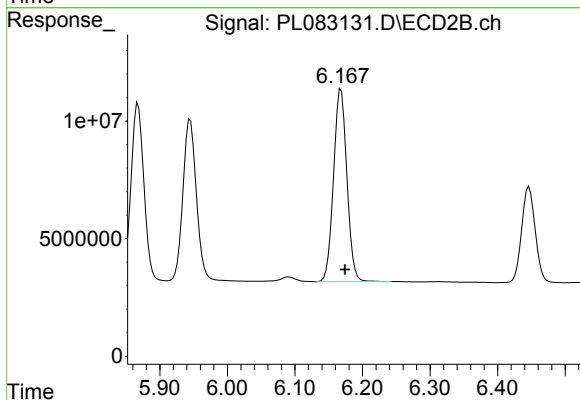
#19 Endosulfan Sulfate

R.T.: 6.901 min
Delta R.T.: -0.007 min
Response: 120822413
Conc: 47.13 ng/ml

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

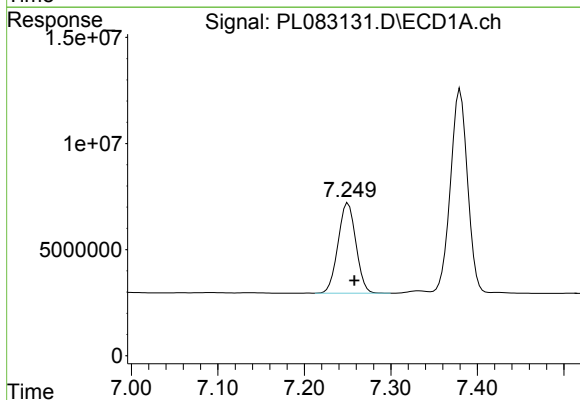
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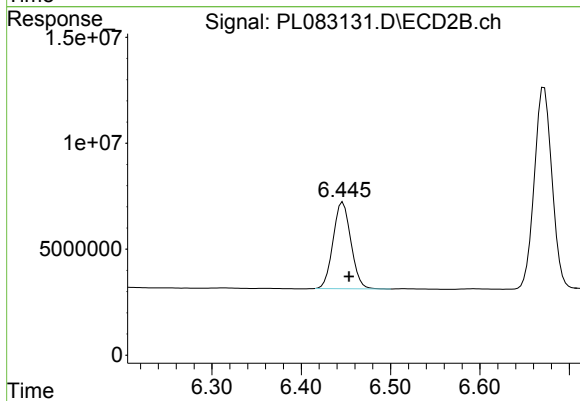
#19 Endosulfan Sulfate

R.T.: 6.168 min
Delta R.T.: -0.006 min
Response: 113052869
Conc: 46.16 ng/ml



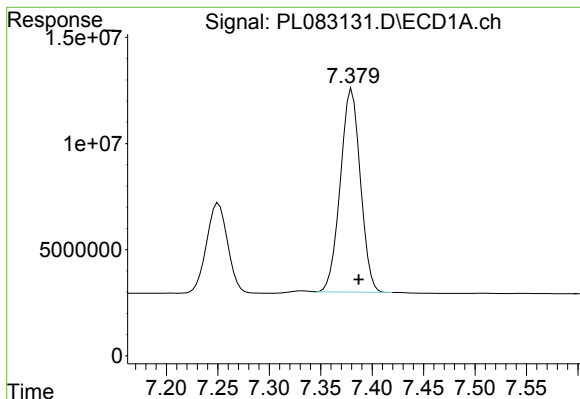
#20 Methoxychlor

R.T.: 7.251 min
Delta R.T.: -0.007 min
Response: 60554035
Conc: 45.79 ng/ml



#20 Methoxychlor

R.T.: 6.447 min
Delta R.T.: -0.007 min
Response: 56545847
Conc: 44.46 ng/ml



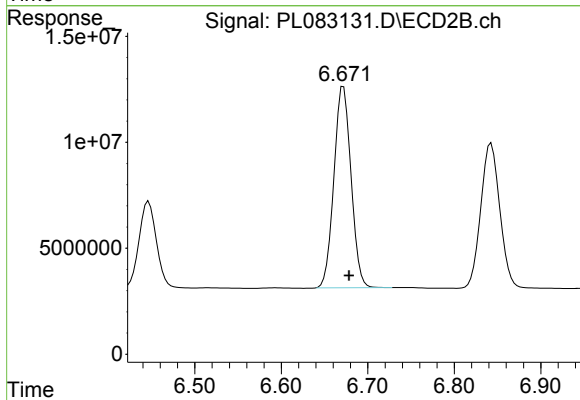
#21 Endrin ketone

R.T.: 7.380 min
Delta R.T.: -0.007 min
Response: 129794771
Conc: 50.88 ng/ml

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

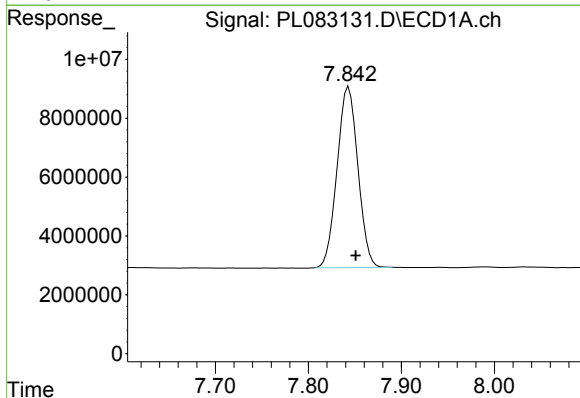
Manual Integrations
APPROVED

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



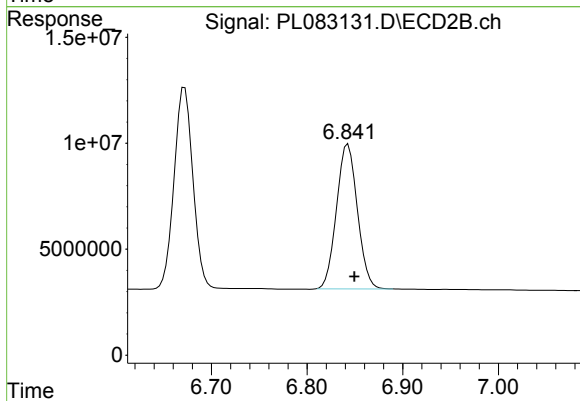
#21 Endrin ketone

R.T.: 6.672 min
Delta R.T.: -0.006 min
Response: 130134229
Conc: 48.13 ng/ml



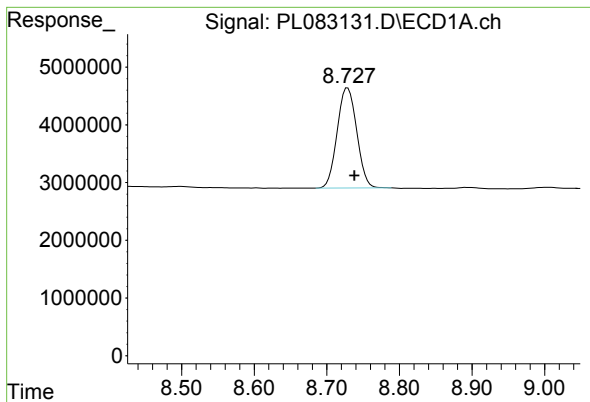
#22 Mirex

R.T.: 7.843 min
Delta R.T.: -0.008 min
Response: 95520964
Conc: 45.57 ng/ml



#22 Mirex

R.T.: 6.843 min
Delta R.T.: -0.007 min
Response: 103673552
Conc: 44.31 ng/ml



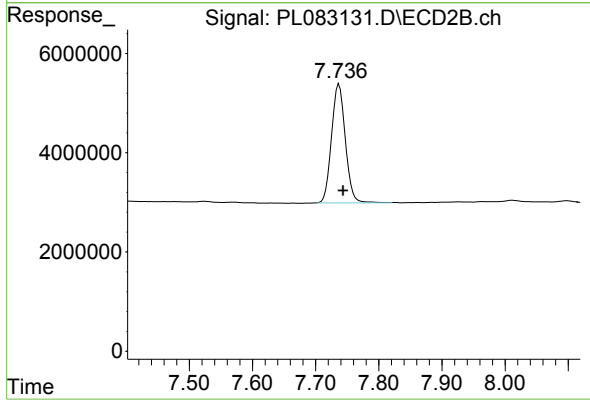
#28 Decachlorobiphenyl

R.T.: 8.729 min
Delta R.T.: -0.009 min
Response: 32458536
Conc: 15.48 ng/ml

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

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.737 min
Delta R.T.: -0.006 min
Response: 36416522
Conc: 14.65 ng/ml