Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071618\
Data File : PD048416.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jul 2018 23:43
Operator : AJ\SJ
Sample : J3762-03
Misc : ECD_D MDL SOIL 1 PPB
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
MDL-SOIL-03-QT3-2018

**Manual Integrations APPROVED**
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 11:20:46 2018
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD071618.M
Quant Title : GC Extractables
QLast Update : Tue Jul 17 02:42:01 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2 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 x 0.50µm

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.394 | 4.007 | 19667113 | 301.3E6 | 16.143 | 16.196 |
| 28) | SA Decachlor... | 8.084 | 9.052 | 24159417 | 336.2E6 | 16.847 | 17.888 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 3.826 | 4.391 | 2042735 | 30101088 | 1.030 | 0.990 |
| 3) | MA gamma-BHC... | 4.102 | 4.672 | 3451792 | 25205234 | 1.763m | 0.943 # |
| 4) | MA Heptachlor | 4.393 | 5.186 | 1573642 | 30135584 | 0.895 | 1.140 # |
| 5) | MB Aldrin | 4.633 | 5.489 | 1694373 | 29249948 | 0.994m | 1.132m |
| 6) | B beta-BHC | 4.349 | 4.830 | 670020 | 8788395 | 0.903m | 0.764 |
| 7) | B delta-BHC | 4.549 | 5.041 | 1738485 | 26842288 | 0.945 | 1.331m# |
| 8) | B Heptachlo... | 5.071 | 5.867 | 1620654 | 33822405 | 1.021m | 1.679m# |
| 9) | A Endosulfan I | 5.405 | 6.227 | 1531262 | 27823347 | 1.044 | 1.286 |
| 10) | B gamma-Chl... | 5.292 | 6.106 | 1829821 | 17355773 | 1.132m | 0.732m# |
| 11) | B alpha-Chl... | 5.352 | 6.178 | 1789850 | 30884291 | 1.143 | 1.315 |
| 12) | B 4,4'-DDE | 5.518 | 6.332 | 1637091 | 35558638 | 1.011 | 1.530 # |
| 13) | MA Dieldrin | 5.645 | 6.480 | 1790602 | 28712729 | 1.053 | 1.212m |
| 14) | MA Endrin | 5.901 | 6.696 | 1814343 | 26234894 | 1.108 | 1.238 |
| 15) | B Endosulfa... | 6.173 | 6.900 | 1332620 | 33714207 | 0.903 | 1.538 # |
| 16) | A 4,4'-DDD | 6.029 | 6.813 | 1499073 | 19772288 | 1.072 | 1.006m |
| 17) | MA 4,4'-DDT | 6.266 | 7.115 | 1247607 | 21497585 | 0.888 | 1.128 # |
| 18) | B Endrin al... | 6.341 | 7.021 | 1371774 | 19565811 | 1.130 | 1.159m |
| 19) | B Endosulfa... | 6.551 | 7.243 | 1322609 | 23404846 | 0.978 | 1.187m |
| 20) | A Methoxychlor | 6.811 | 7.564 | 784341 | 8618698 | 1.008m | 0.896m |
| 21) | B Endrin ke... | 7.040 | 7.711 | 2002664 | 25982490 | 1.175 | 1.337 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD D\Data\PD071618\
Data File : PD048416.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jul 2018 23:43
Operator : AJ\SJ
Sample : J3762-03
Misc : ECD_D MDL SOIL 1 PPB
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
MDL-SOIL-03-QT3-2018

**Manual Integrations APPROVED**
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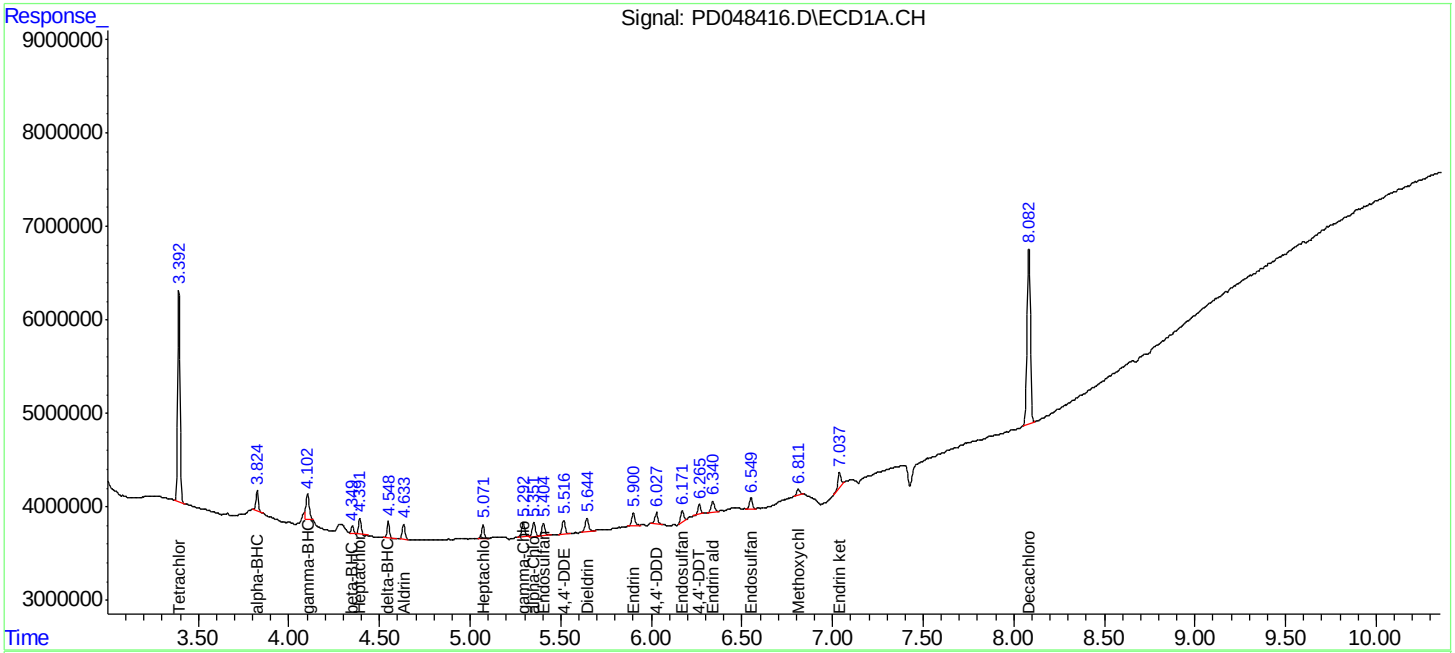
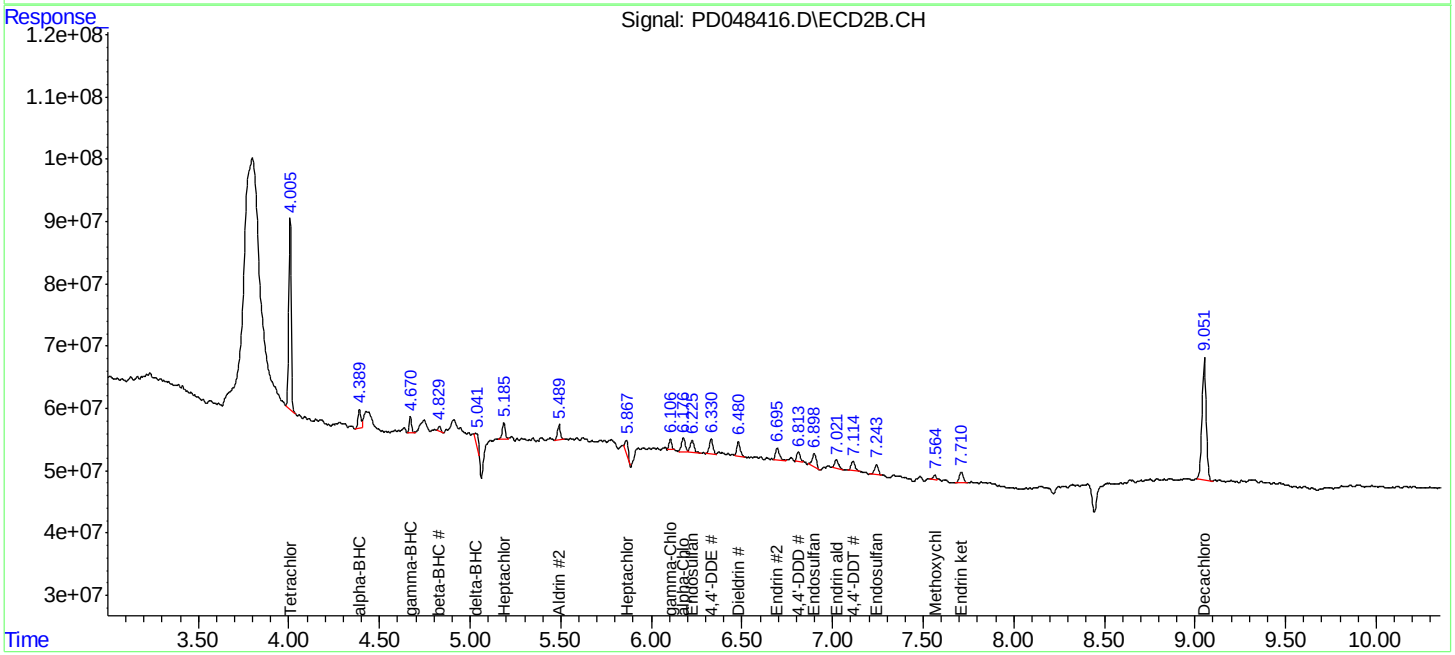
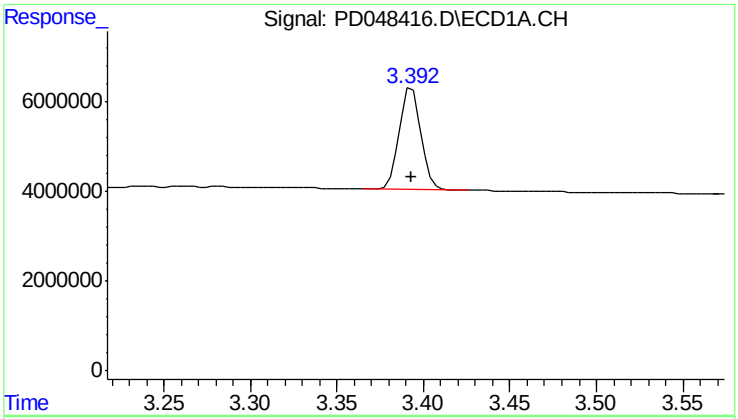
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 11:20:46 2018
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD071618.M
Quant Title : GC Extractables
QLast Update : Tue Jul 17 02:42:01 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2 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 x 0.50µm






#1 Tetrachloro-m-xylene

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 19667113
Conc: 16.14 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
MDL-SOIL-03-QT3-2018

**Manual Integrations APPROVED**
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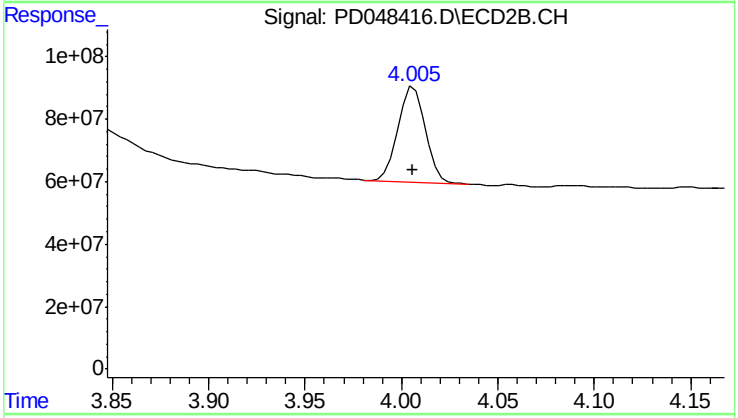
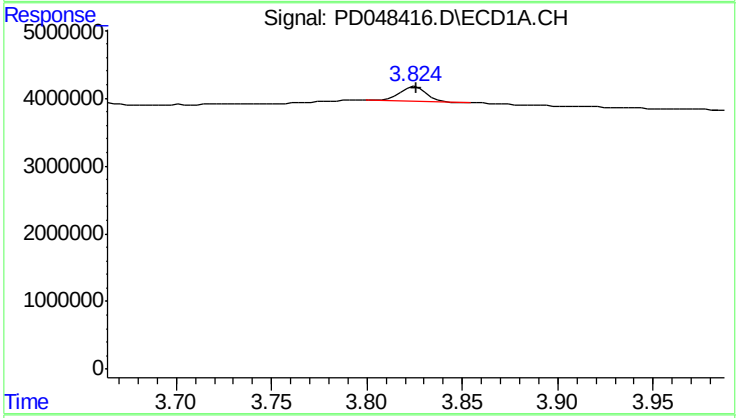


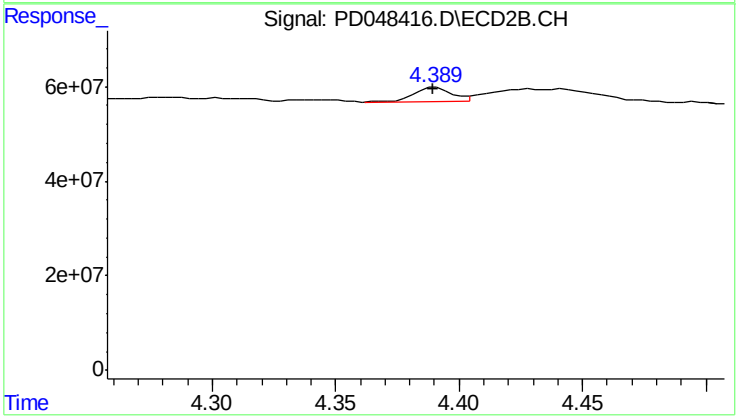

#1 Tetrachloro-m-xylene

R.T.: 4.007 min
Delta R.T.: 0.000 min
Response: 301294350
Conc: 16.20 ng/ml



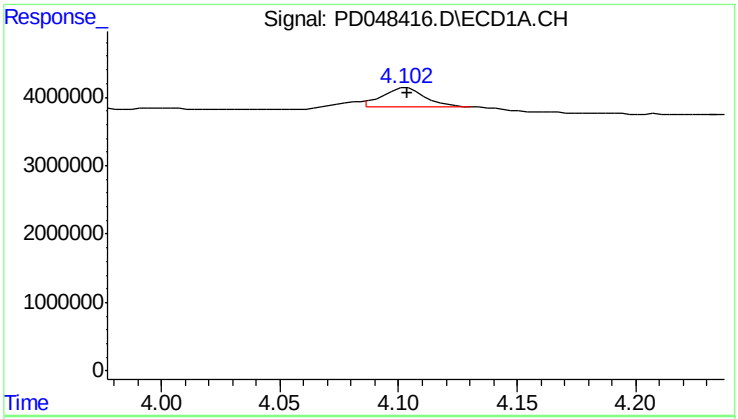

#2 alpha-BHC

R.T.: 3.826 min
Delta R.T.: 0.000 min
Response: 2042735
Conc: 1.03 ng/ml




#2 alpha-BHC

R.T.: 4.391 min
Delta R.T.: 0.001 min
Response: 30101088
Conc: 0.99 ng/ml




#3 gamma-BHC (Lindane)

R.T.: 4.102 min
Delta R.T.: -0.001 min
Response: 3451792
Conc: 1.76 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
MDL-SOIL-03-QT3-2018

**Manual Integrations APPROVED**
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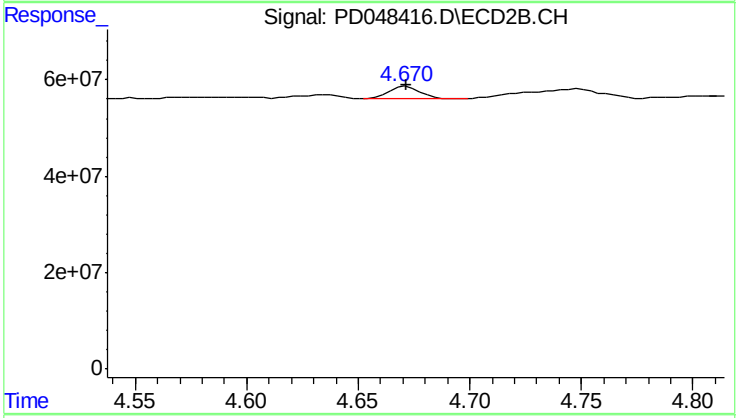
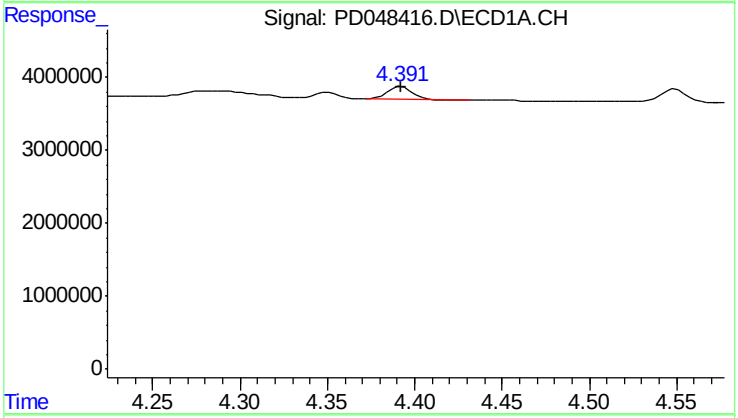


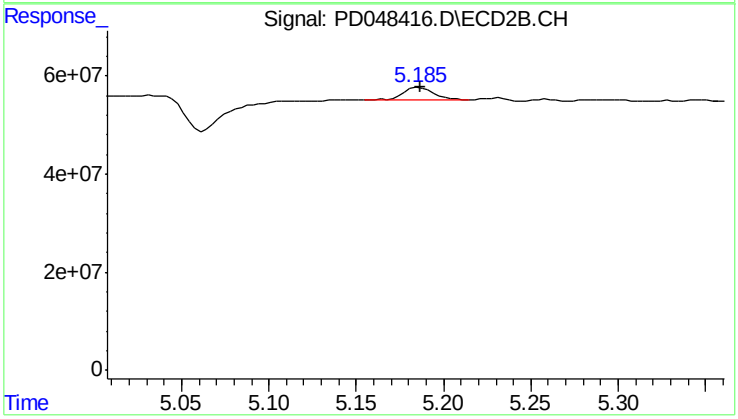

#3 gamma-BHC (Lindane)

R.T.: 4.672 min
Delta R.T.: 0.000 min
Response: 25205234
Conc: 0.94 ng/ml



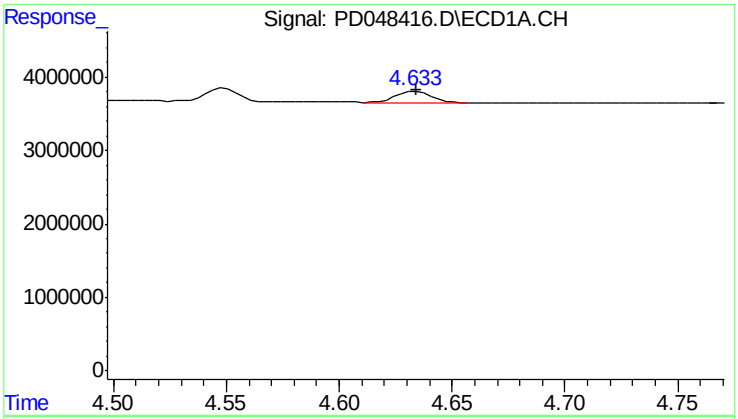

#4 Heptachlor

R.T.: 4.393 min
Delta R.T.: 0.000 min
Response: 1573642
Conc: 0.90 ng/ml




#4 Heptachlor

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 30135584
Conc: 1.14 ng/ml




#5 Aldrin

R.T.: 4.633 min
Delta R.T.: -0.002 min
Response: 1694373
Conc: 0.99 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
MDL-SOIL-03-QT3-2018

**Manual Integrations APPROVED**
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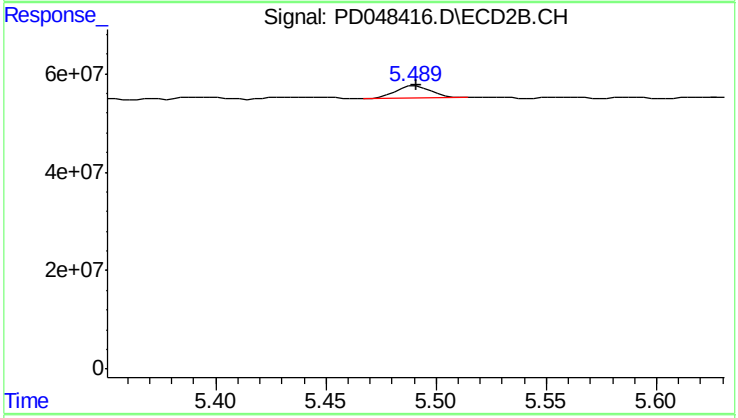
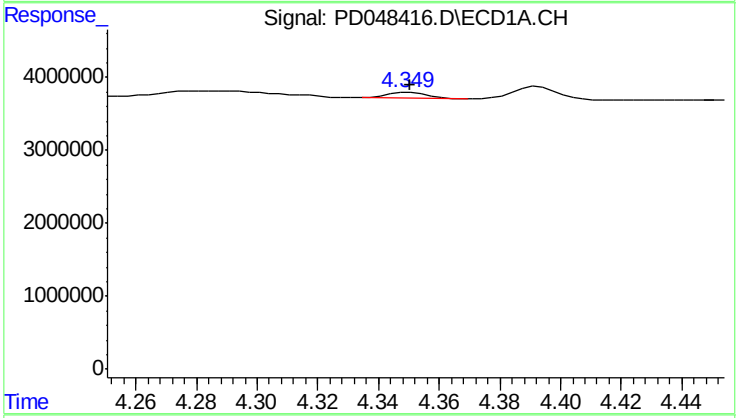


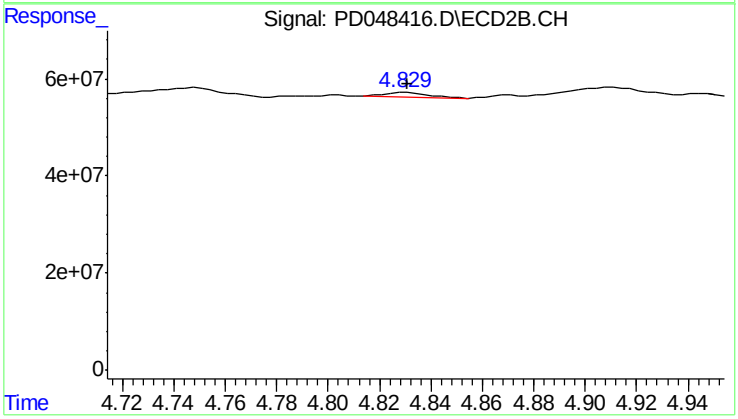

#5 Aldrin

R.T.: 5.489 min
Delta R.T.: -0.002 min
Response: 29249948
Conc: 1.13 ng/ml m



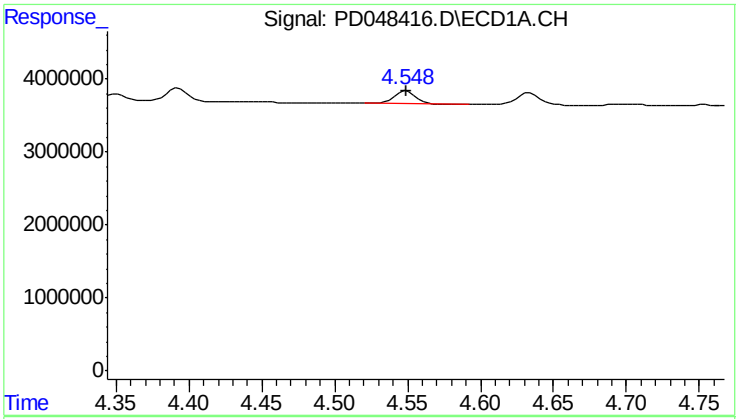

#6 beta-BHC

R.T.: 4.349 min
Delta R.T.: -0.002 min
Response: 670020
Conc: 0.90 ng/ml m




#6 beta-BHC

R.T.: 4.830 min
Delta R.T.: 0.000 min
Response: 8788395
Conc: 0.76 ng/ml




#7 delta-BHC

R.T.: 4.549 min
Delta R.T.: 0.000 min
Response: 1738485
Conc: 0.95 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
MDL-SOIL-03-QT3-2018

**Manual Integrations APPROVED**
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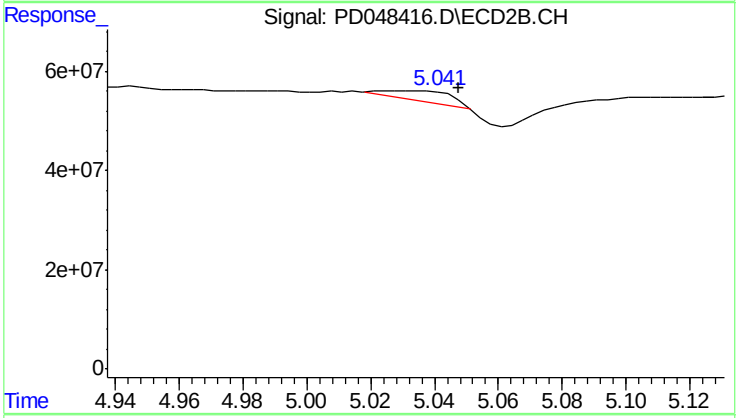
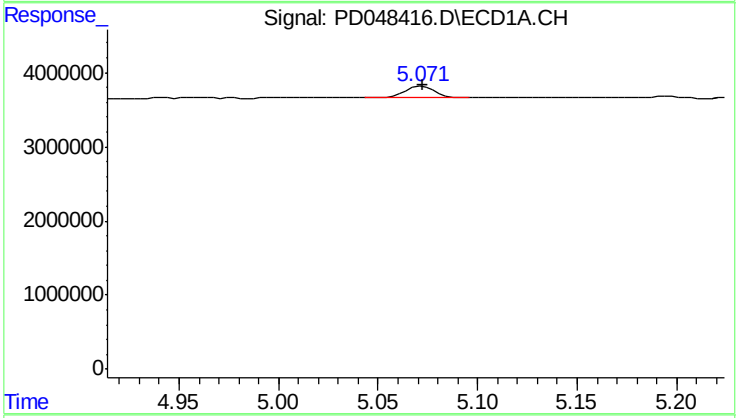


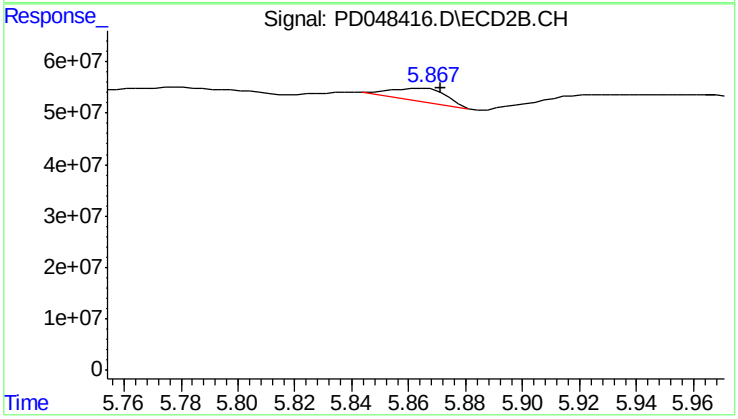

#7 delta-BHC

R.T.: 5.041 min
Delta R.T.: -0.007 min
Response: 26842288
Conc: 1.33 ng/ml m



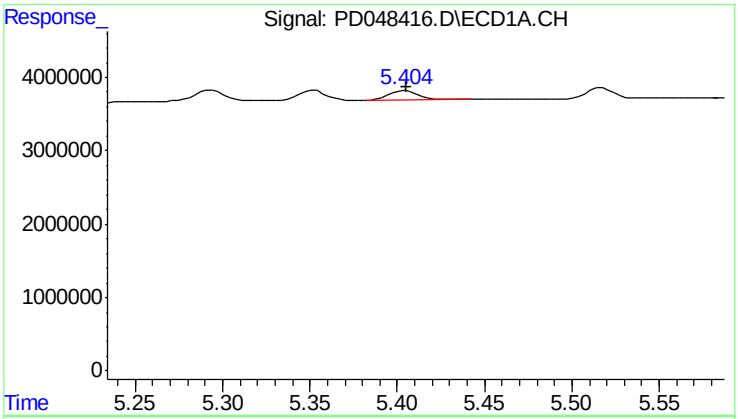

#8 Heptachlor epoxide

R.T.: 5.071 min
Delta R.T.: -0.001 min
Response: 1620654
Conc: 1.02 ng/ml m




#8 Heptachlor epoxide

R.T.: 5.867 min
Delta R.T.: -0.004 min
Response: 33822405
Conc: 1.68 ng/ml m




#9 Endosulfan I

R.T.: 5.405 min
Delta R.T.: 0.000 min
Response: 1531262
Conc: 1.04 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
MDL-SOIL-03-QT3-2018

**Manual Integrations APPROVED**
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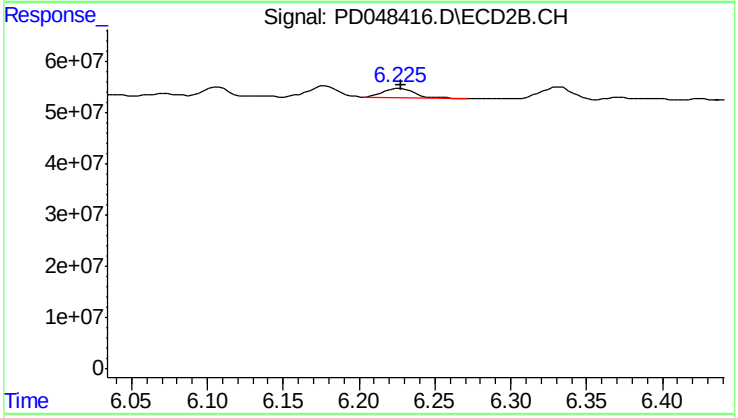
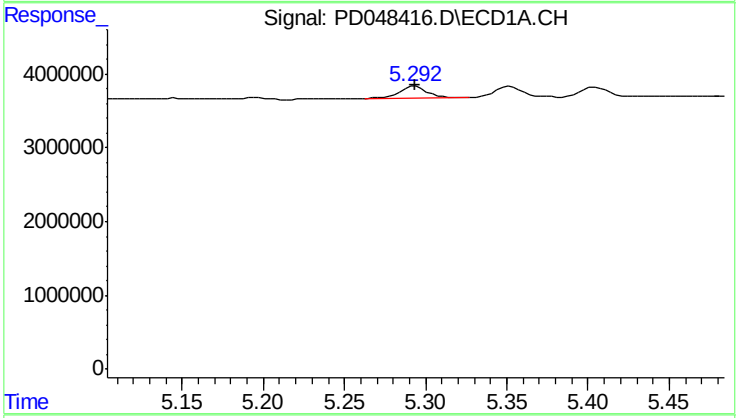


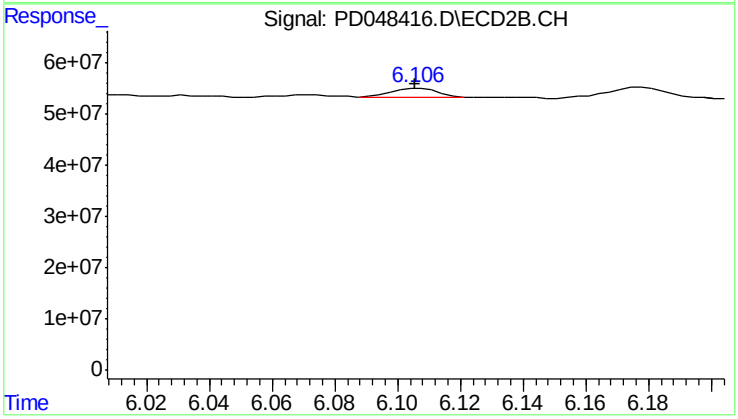

#9 Endosulfan I

R.T.: 6.227 min
Delta R.T.: 0.000 min
Response: 27823347
Conc: 1.29 ng/ml



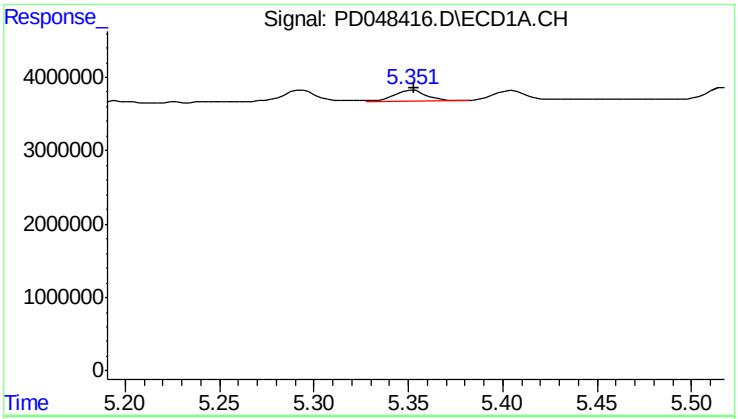

#10 gamma-Chlordane

R.T.: 5.292 min
Delta R.T.: -0.002 min
Response: 1829821
Conc: 1.13 ng/ml m




#10 gamma-Chlordane

R.T.: 6.106 min
Delta R.T.: 0.000 min
Response: 17355773
Conc: 0.73 ng/ml m




#11 alpha-Chlordane

R.T.: 5.352 min
Delta R.T.: 0.000 min
Response: 1789850
Conc: 1.14 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
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**Manual Integrations APPROVED**
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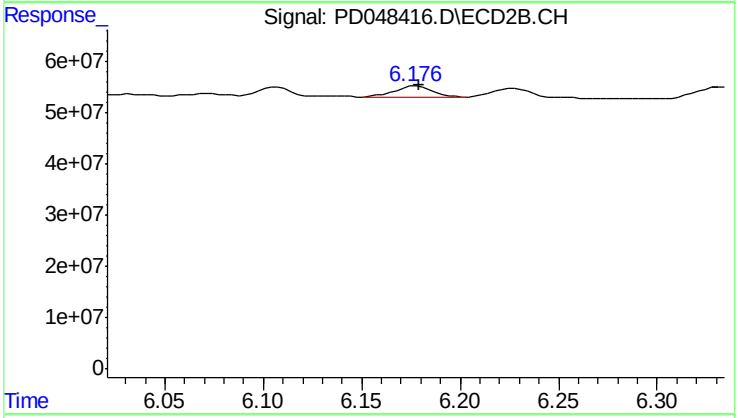
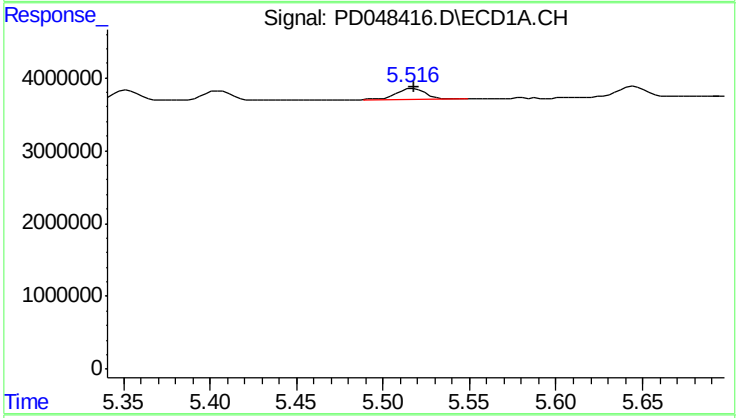


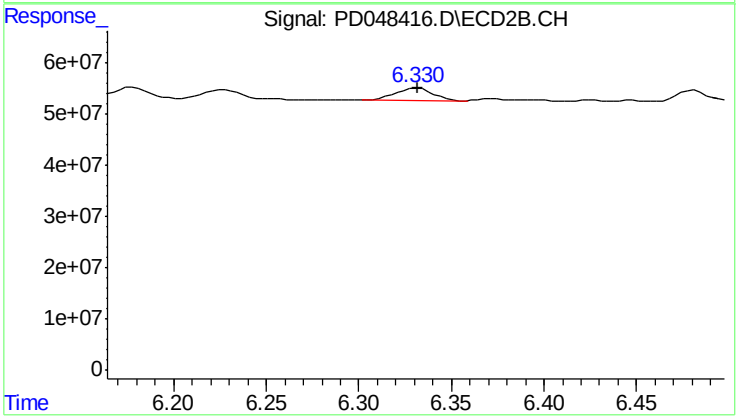

#11 alpha-Chlordane

R.T.: 6.178 min
Delta R.T.: -0.002 min
Response: 30884291
Conc: 1.31 ng/ml



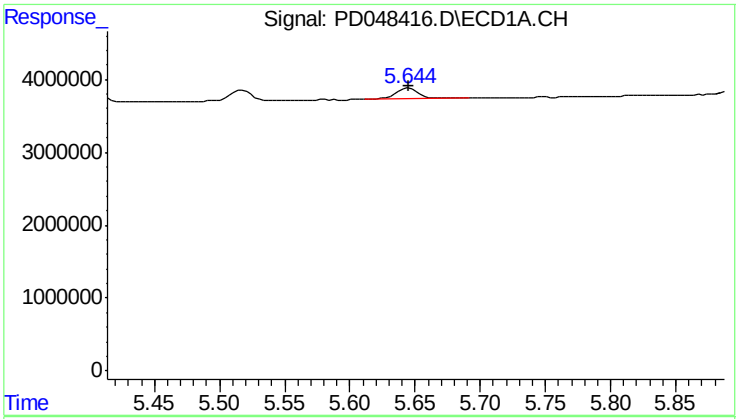

#12 4,4'-DDE

R.T.: 5.518 min
Delta R.T.: 0.000 min
Response: 1637091
Conc: 1.01 ng/ml




#12 4,4'-DDE

R.T.: 6.332 min
Delta R.T.: 0.000 min
Response: 35558638
Conc: 1.53 ng/ml




#13 Dieldrin

R.T.: 5.645 min
Delta R.T.: 0.000 min
Response: 1790602
Conc: 1.05 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
MDL-SOIL-03-QT3-2018

**Manual Integrations APPROVED**
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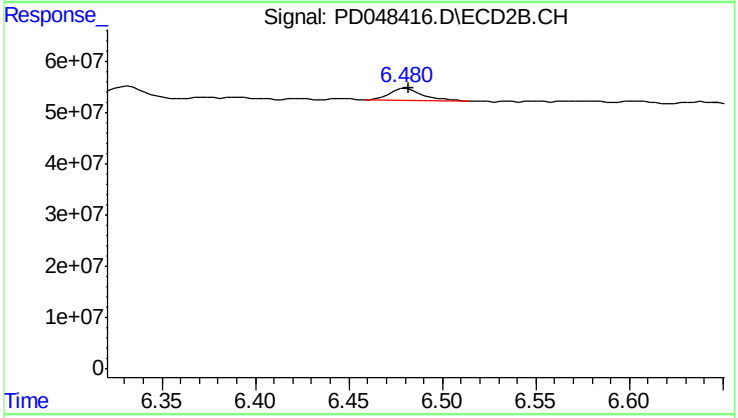
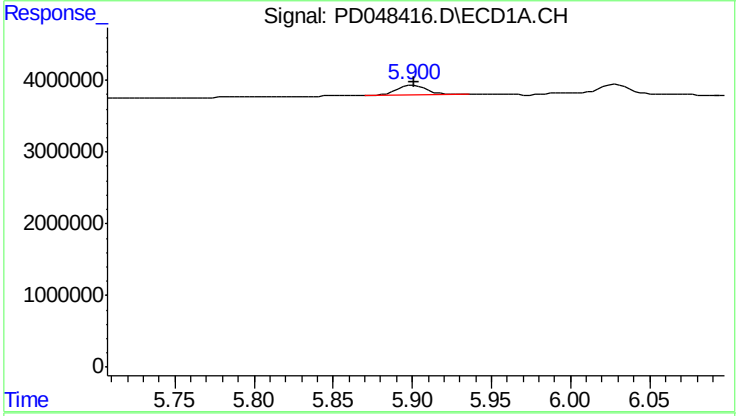
7/18/2018 1:40:44 PM



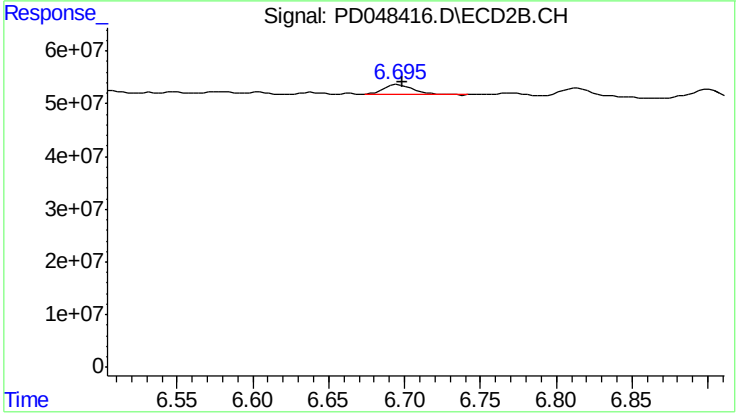

#13 Dieldrin

R.T.: 6.480 min
Delta R.T.: -0.002 min
Response: 28712729
Conc: 1.21 ng/ml m



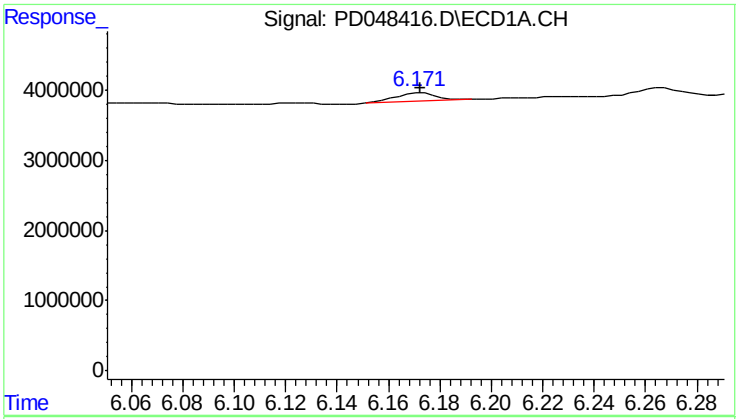

#14 Endrin

R.T.: 5.901 min
Delta R.T.: 0.000 min
Response: 1814343
Conc: 1.11 ng/ml




#14 Endrin

R.T.: 6.696 min
Delta R.T.: -0.002 min
Response: 26234894
Conc: 1.24 ng/ml

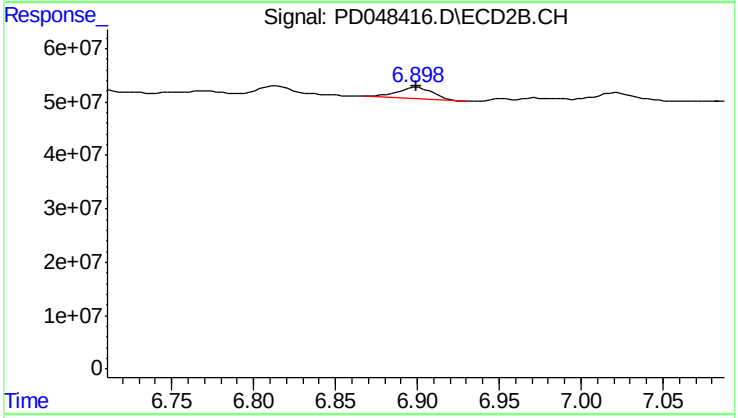



#15 Endosulfan II

R.T.: 6.173 min
Delta R.T.: 0.000 min
Response: 1332620
Conc: 0.90 ng/ml

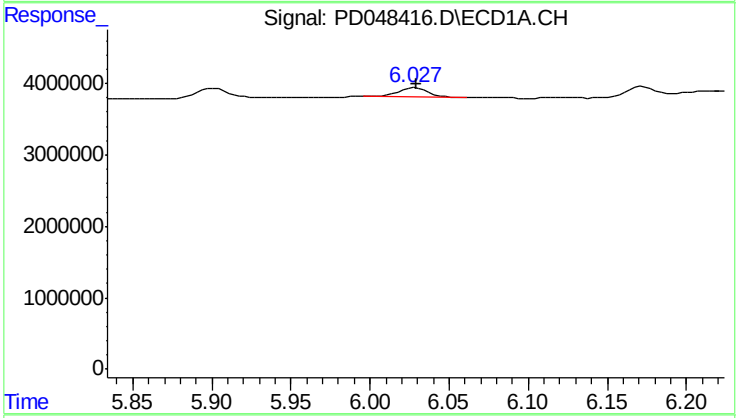
**Instrument :**
ECD_D
**ClientSampleId :**
MDL-SOIL-03-QT3-2018

**Manual Integrations APPROVED**
Sohil
7/18/2018 1:40:44 PM



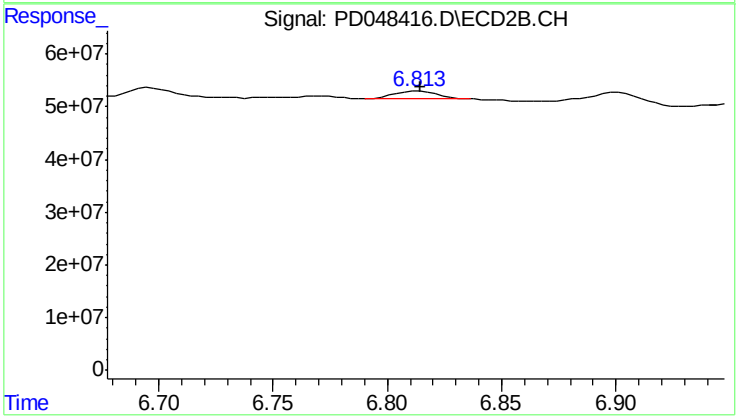

#15 Endosulfan II

R.T.: 6.900 min
Delta R.T.: 0.000 min
Response: 33714207
Conc: 1.54 ng/ml



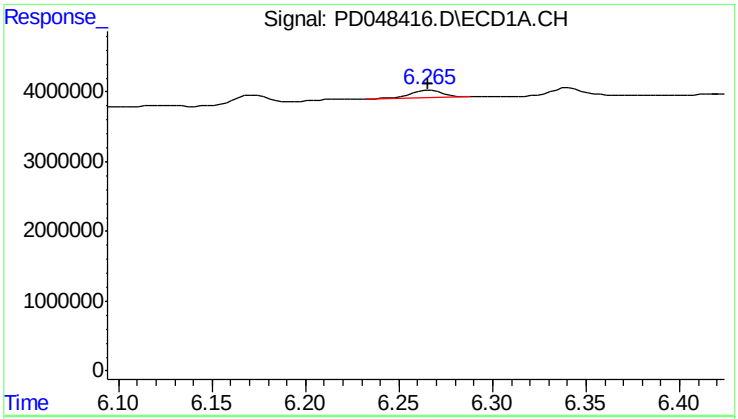

#16 4,4'-DDD

R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 1499073
Conc: 1.07 ng/ml




#16 4,4'-DDD

R.T.: 6.813 min
Delta R.T.: -0.002 min
Response: 19772288
Conc: 1.01 ng/ml m




#17 4,4'-DDT

R.T.: 6.266 min
Delta R.T.: 0.000 min
Response: 1247607
Conc: 0.89 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
MDL-SOIL-03-QT3-2018

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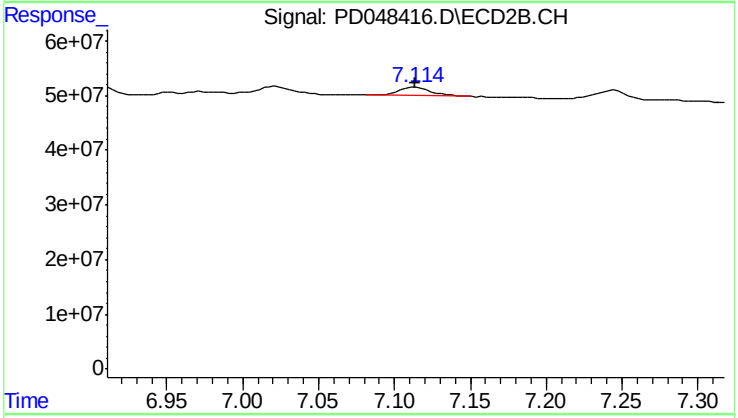
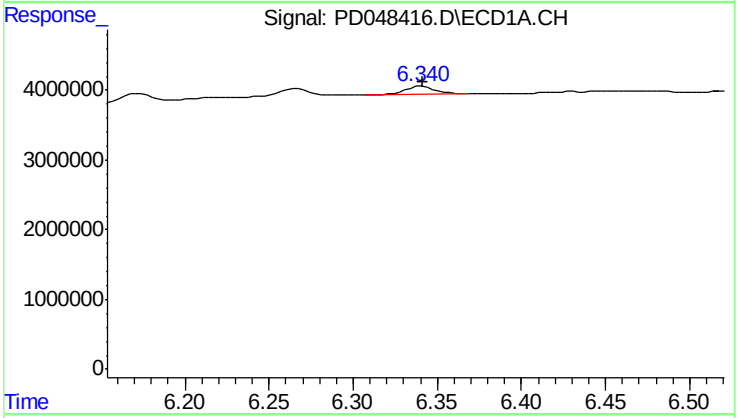


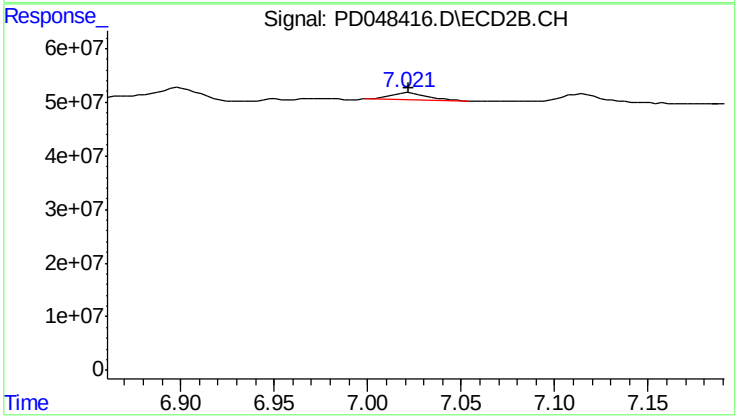

#17 4,4'-DDT

R.T.: 7.115 min
Delta R.T.: 0.000 min
Response: 21497585
Conc: 1.13 ng/ml



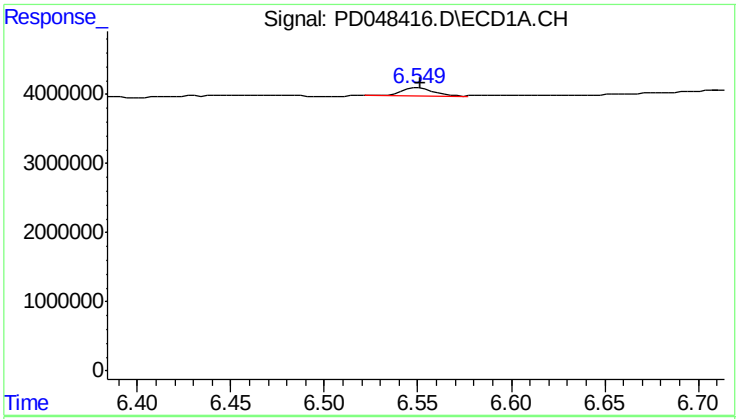

#18 Endrin aldehyde

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 1371774
Conc: 1.13 ng/ml




#18 Endrin aldehyde

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 19565811
Conc: 1.16 ng/ml m




#19 Endosulfan Sulfate

R.T.: 6.551 min
Delta R.T.: 0.000 min
Response: 1322609
Conc: 0.98 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
MDL-SOIL-03-QT3-2018

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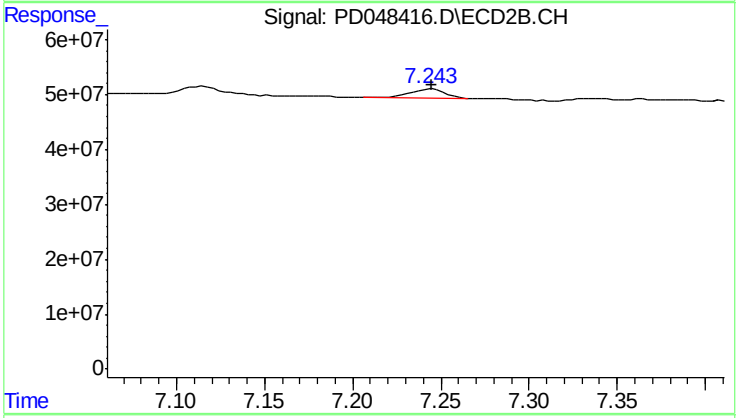
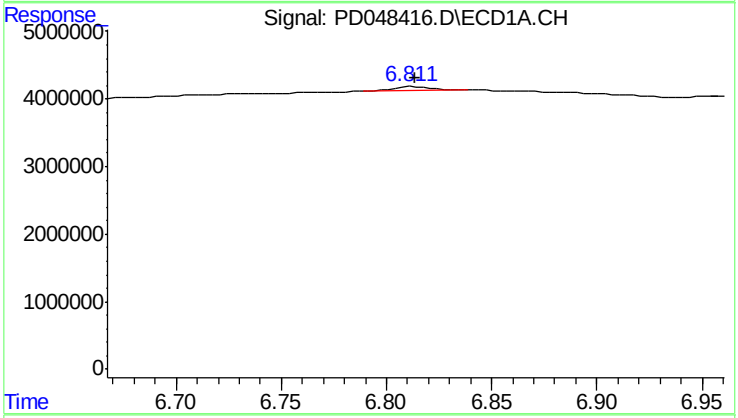


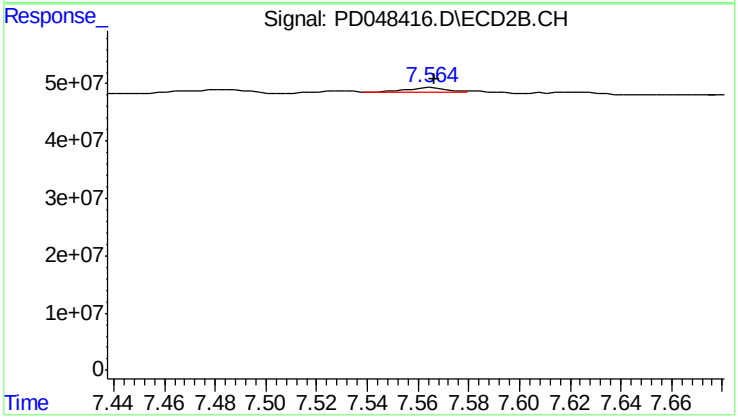

#19 Endosulfan Sulfate

R.T.: 7.243 min
Delta R.T.: -0.002 min
Response: 23404846
Conc: 1.19 ng/ml m



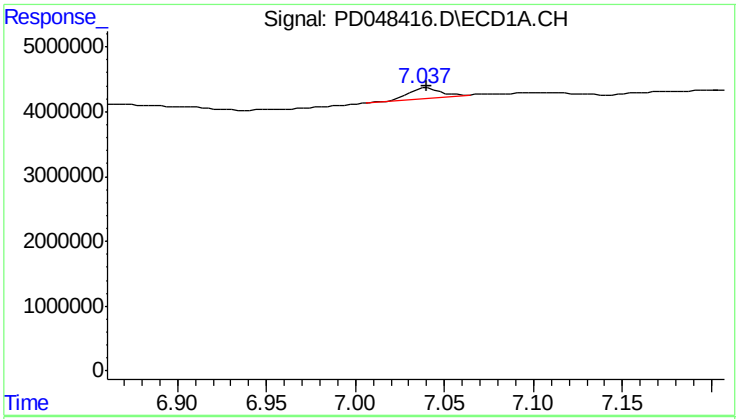

#20 Methoxychlor

R.T.: 6.811 min
Delta R.T.: -0.003 min
Response: 784341
Conc: 1.01 ng/ml m




#20 Methoxychlor

R.T.: 7.564 min
Delta R.T.: -0.002 min
Response: 8618698
Conc: 0.90 ng/ml m

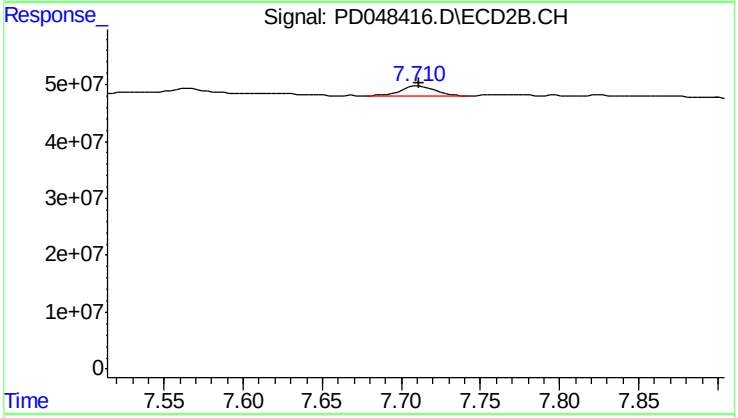



#21 Endrin ketone

R.T.: 7.040 min
Delta R.T.: 0.000 min
Response: 2002664
Conc: 1.17 ng/ml

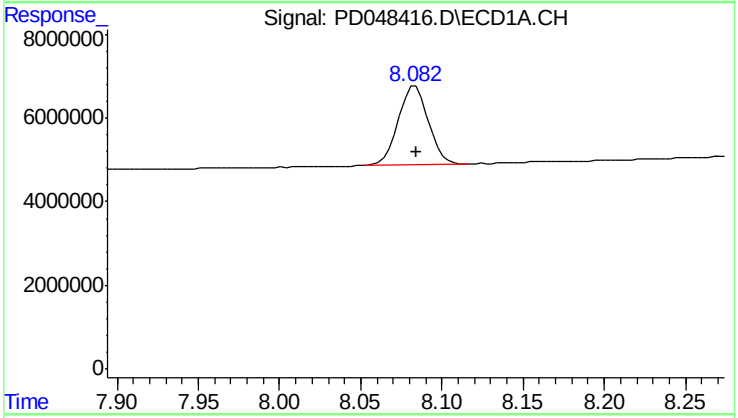
**Instrument :**
ECD_D
**ClientSampleId :**
MDL-SOIL-03-QT3-2018

**Manual Integrations APPROVED**
Sohil
7/18/2018 1:40:44 PM



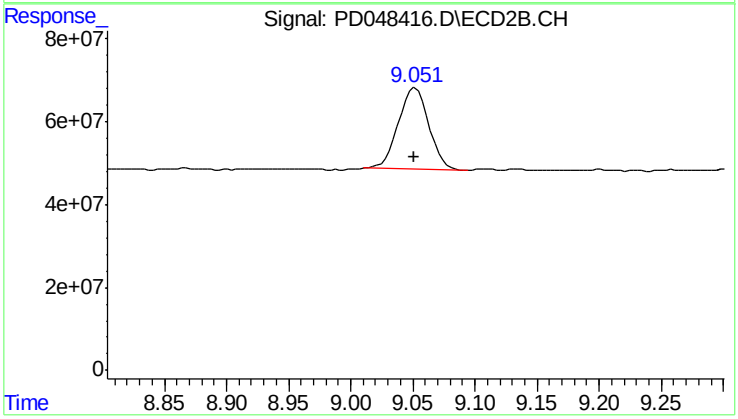

#21 Endrin ketone

R.T.: 7.711 min
Delta R.T.: 0.000 min
Response: 25982490
Conc: 1.34 ng/ml




#28 Decachlorobiphenyl

R.T.: 8.084 min
Delta R.T.: 0.000 min
Response: 24159417
Conc: 16.85 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 min
Response: 336178083
Conc: 17.89 ng/ml