

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Data\PQ103119\  
 Data File : PQ044664.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 31 Oct 2019 12:32  
 Operator : HP\AJ  
 Sample : K5111-03  
 Misc : AR1660 MDL 25 PPB  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 ECD\_Q  
 ClientSampleId :  
 MDL-MDL-SOIL-03-QT4-2019

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 01 06:54:49 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Method\PQ103019.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Oct 30 15:29:39 2019  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 2 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 5.304  | 4.337 | 44062075 | 21161244 | 20.353 | 17.396   |
| 2)                          | SA Decachlor... | 11.540 | 9.752 | 82525094 | 95375377 | 17.390 | 22.341 # |
| Target Compounds            |                 |        |       |          |          |        |          |
| 3)                          | L1 AR-1016-1    | 6.621  | 5.615 | 1927707  | 1274562  | 28.697 | 24.475   |
| 4)                          | L1 AR-1016-2    | 6.644  | 5.634 | 2884112  | 1789770  | 27.547 | 23.303   |
| 5)                          | L1 AR-1016-3    | 6.712  | 0.000 | 2134980  | 0        | 32.570 | N.D. #   |
| 7)                          | L1 AR-1016-5    | 7.135  | 0.000 | 824044   | 0        | 15.371 | N.D. #   |
| 12)                         | L3 AR-1232-2    | 6.326  | 5.634 | 1648647  | 1789770  | 34.475 | 25.784 # |
| 13)                         | L3 AR-1232-3    | 6.644  | 0.000 | 2884112  | 0        | 31.181 | N.D. #   |
| 16)                         | L4 AR-1242-1    | 6.621  | 5.615 | 1927707  | 1274562  | 39.541 | 32.954   |
| 17)                         | L4 AR-1242-2    | 6.644  | 5.634 | 2884112  | 1789770  | 37.516 | 31.122   |
| 18)                         | L4 AR-1242-3    | 6.712  | 0.000 | 2134980  | 0        | 44.639 | N.D. #   |
| 21)                         | L5 AR-1248-1    | 6.621  | 5.615 | 1927707  | 1274562  | 44.309 | 36.956   |
| 23)                         | L5 AR-1248-3    | 7.135  | 0.000 | 824044   | 0        | 11.046 | N.D. #   |
| 28)                         | L6 AR-1254-3    | 8.206  | 7.092 | 2385566  | 2491183  | 14.933 | 12.284   |
| 30)                         | L6 AR-1254-5    | 8.873  | 7.749 | 4218993  | 4438170  | 32.116 | 21.539 # |
| 31)                         | L7 AR-1260-1    | 8.315  | 7.214 | 3622955  | 3112639  | 36.815 | 26.690 # |
| 32)                         | L7 AR-1260-2    | 8.579  | 7.409 | 3751327  | 4213311  | 31.953 | 27.623   |
| 33)                         | L7 AR-1260-3    | 8.951  | 7.570 | 3043272  | 3875772  | 29.890 | 28.225   |
| 34)                         | L7 AR-1260-4    | 9.196  | 8.055 | 3479479  | 3502522  | 28.980 | 26.033   |
| 35)                         | L7 AR-1260-5    | 9.544  | 8.301 | 7543388  | 9174204  | 28.770 | 26.016   |
| 36)                         | L8 AR-1262-1    | 8.951  | 7.749 | 3043272  | 4438170  | 44.015 | 41.672   |
| 37)                         | L8 AR-1262-2    | 9.544  | 8.301 | 7543388  | 9174204  | 24.141 | 20.985   |
| 38)                         | L8 AR-1262-3    | 9.907  | 8.589 | 5237240  | 2743499  | 21.817 | 15.416 # |
| 39)                         | L8 AR-1262-4    | 9.968  | 8.656 | 3594155  | 7711172  | 17.267 | 21.989 # |
| 40)                         | L8 AR-1262-5    | 10.707 | 9.171 | 2654508  | 3349456  | 16.657 | 19.666   |
| 41)                         | L9 AR-1268-1    | 9.907  | 8.589 | 5237240  | 2743499  | 11.943 | 5.231 #  |
| 42)                         | L9 AR-1268-2    | 9.968  | 8.656 | 3594155  | 7711172  | 7.708  | 15.515 # |
| 44)                         | L9 AR-1268-4    | 10.707 | 9.171 | 2654508  | 3349456  | 14.614 | 17.055   |
| 45)                         | L9 AR-1268-5    | 0.000  | 9.479 | 0        | 1554398  | N.D.   | 1.035 #  |
| -----                       |                 |        |       |          |          |        |          |

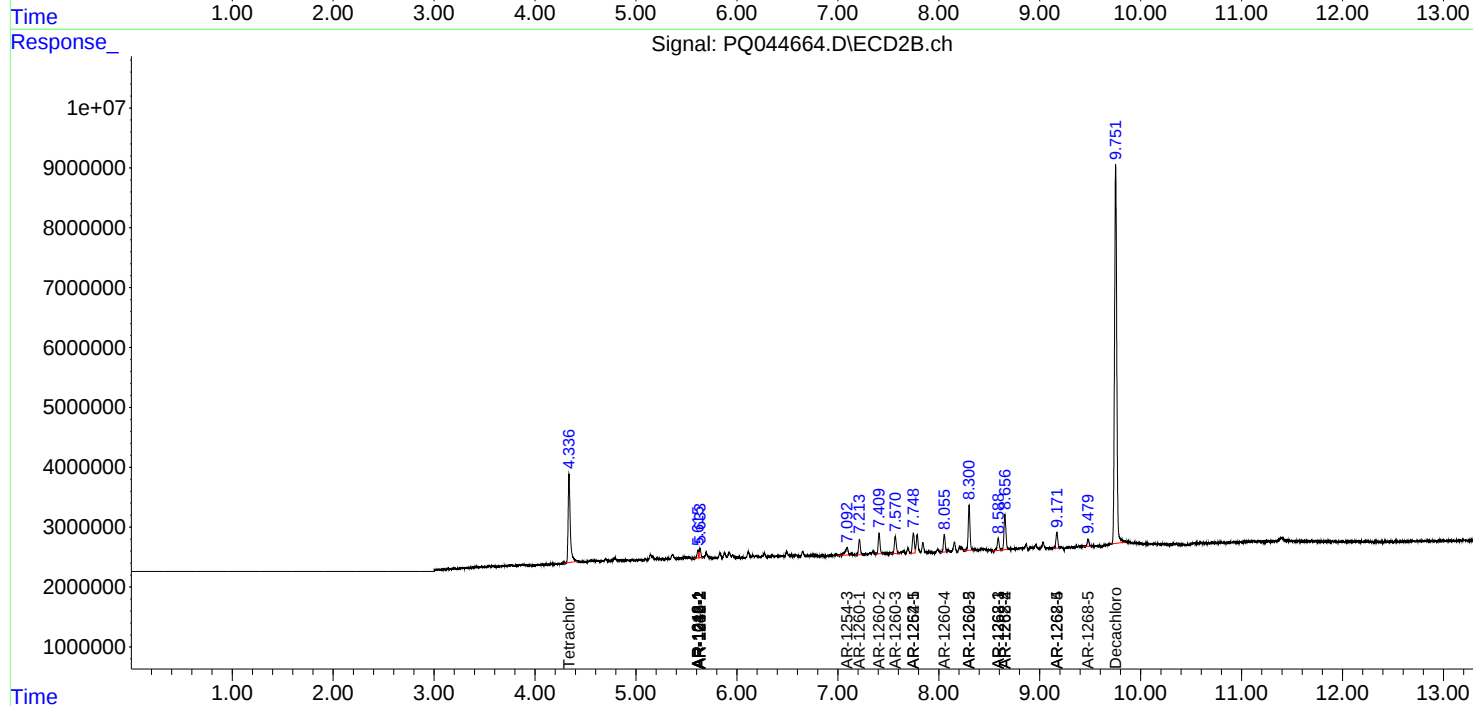
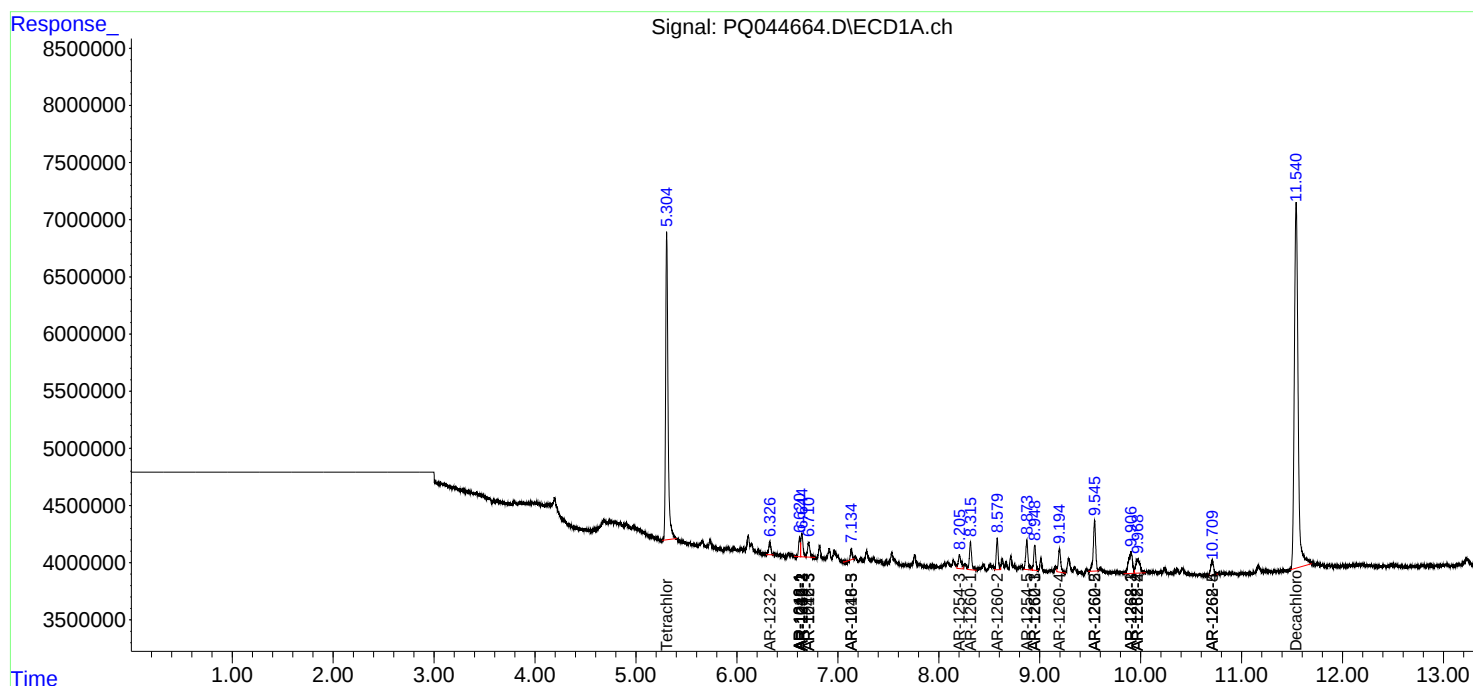
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

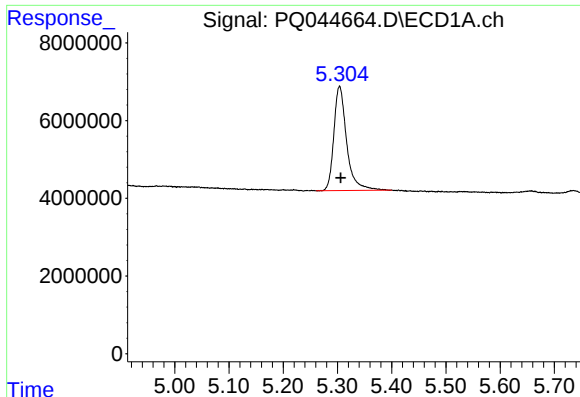
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Data\PQ103119\  
Data File : PQ044664.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 31 Oct 2019 12:32  
Operator : HP\AJ  
Sample : K5111-03  
Misc : AR1660 MDL 25 PPB  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-MDL-SOIL-03-QT4-2019

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 01 06:54:49 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Method\PQ103019.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Oct 30 15:29:39 2019  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 2 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

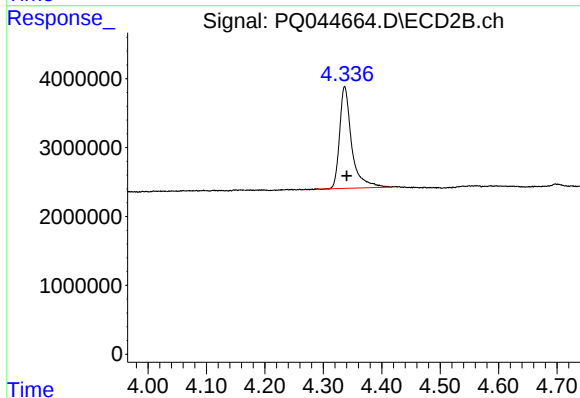




#1 Tetrachloro-m-xylene

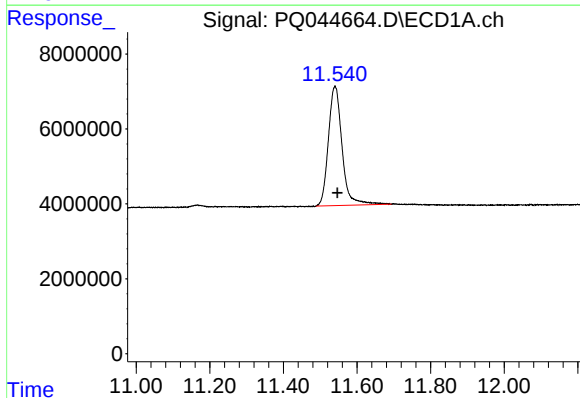
R.T.: 5.304 min  
Delta R.T.: -0.002 min  
Response: 44062075  
Conc: 20.35 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-MDL-SOIL-03-QT4-2019



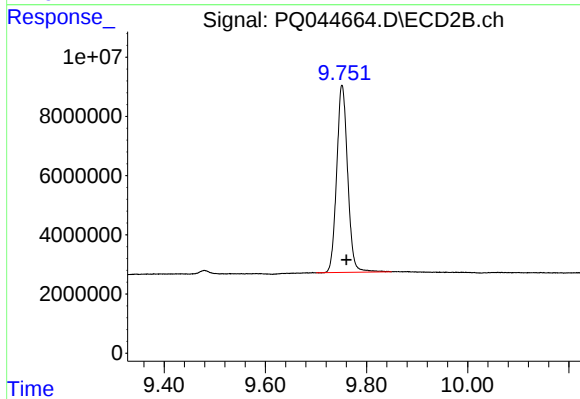
#1 Tetrachloro-m-xylene

R.T.: 4.337 min  
Delta R.T.: -0.004 min  
Response: 21161244  
Conc: 17.40 ng/ml



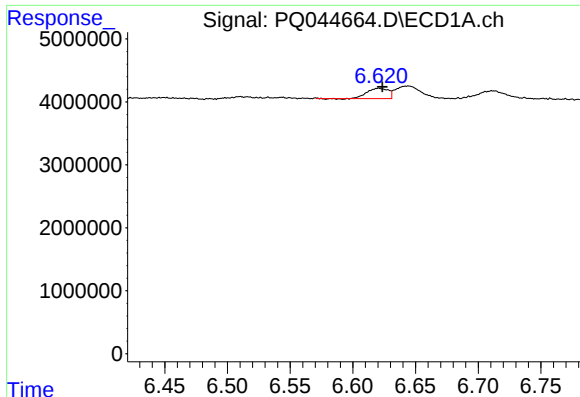
#2 Decachlorobiphenyl

R.T.: 11.540 min  
Delta R.T.: -0.007 min  
Response: 82525094  
Conc: 17.39 ng/ml



#2 Decachlorobiphenyl

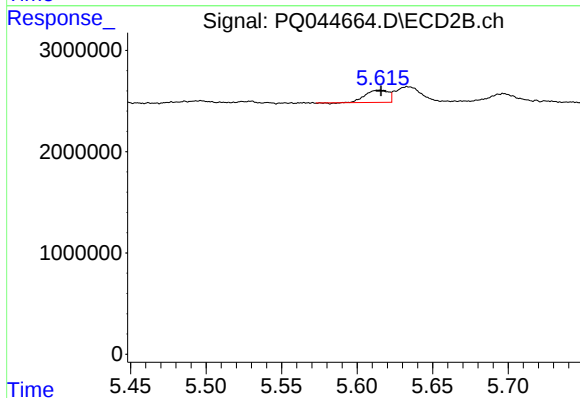
R.T.: 9.752 min  
Delta R.T.: -0.009 min  
Response: 95375377  
Conc: 22.34 ng/ml



#3 AR-1016-1

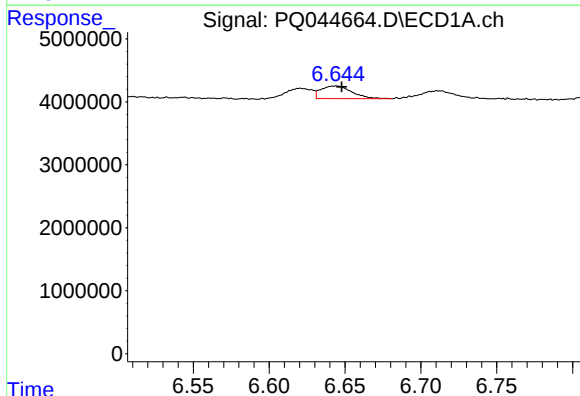
R.T.: 6.621 min  
Delta R.T.: -0.003 min  
Response: 1927707  
Conc: 28.70 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-MDL-SOIL-03-QT4-2019



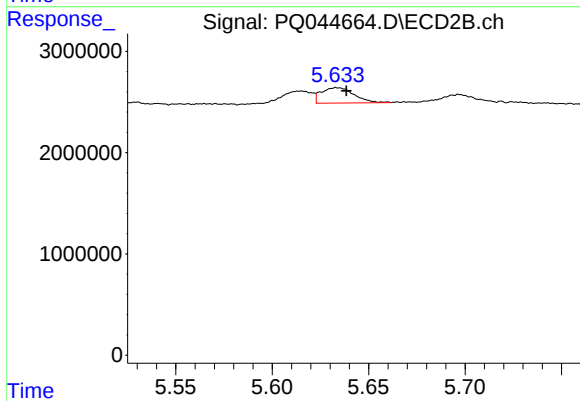
#3 AR-1016-1

R.T.: 5.615 min  
Delta R.T.: -0.001 min  
Response: 1274562  
Conc: 24.47 ng/ml



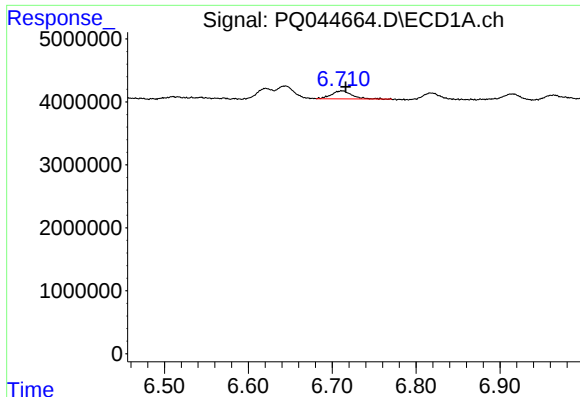
#4 AR-1016-2

R.T.: 6.644 min  
Delta R.T.: -0.004 min  
Response: 2884112  
Conc: 27.55 ng/ml



#4 AR-1016-2

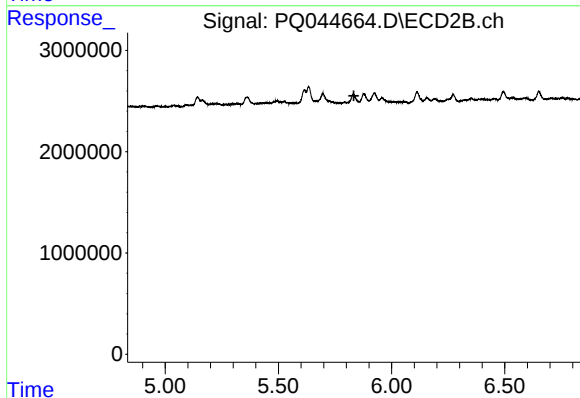
R.T.: 5.634 min  
Delta R.T.: -0.005 min  
Response: 1789770  
Conc: 23.30 ng/ml



#5 AR-1016-3

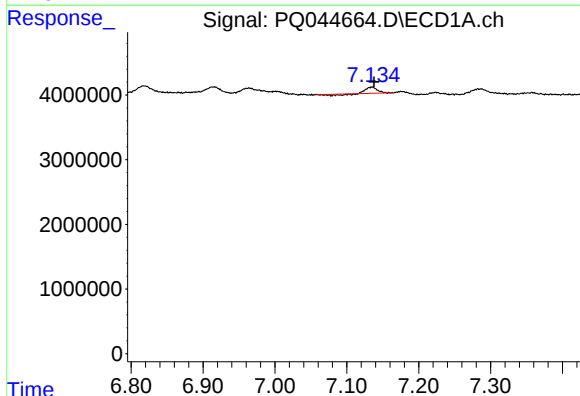
R.T.: 6.712 min  
Delta R.T.: -0.004 min  
Response: 2134980  
Conc: 32.57 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-MDL-SOIL-03-QT4-2019



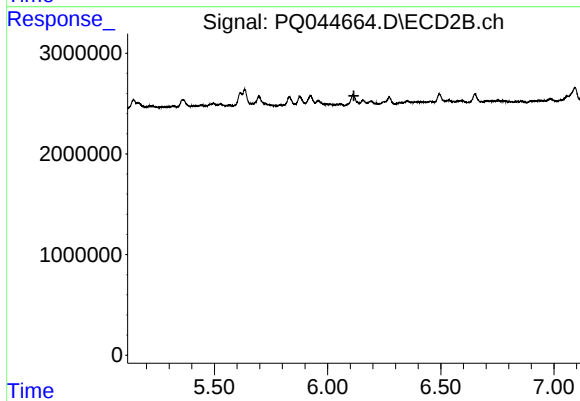
#5 AR-1016-3

R.T.: 0.000 min  
Exp R.T. : 5.834 min  
Response: 0  
Conc: N.D.



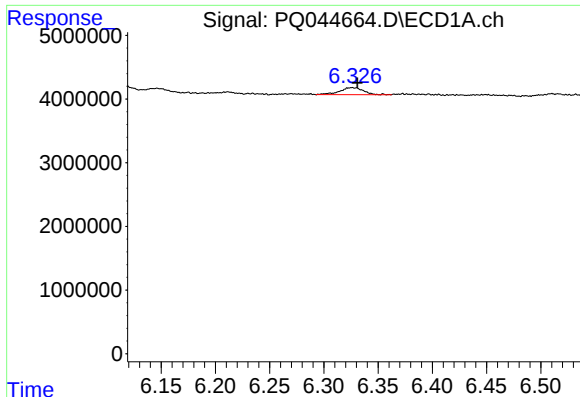
#7 AR-1016-5

R.T.: 7.135 min  
Delta R.T.: -0.003 min  
Response: 824044  
Conc: 15.37 ng/ml



#7 AR-1016-5

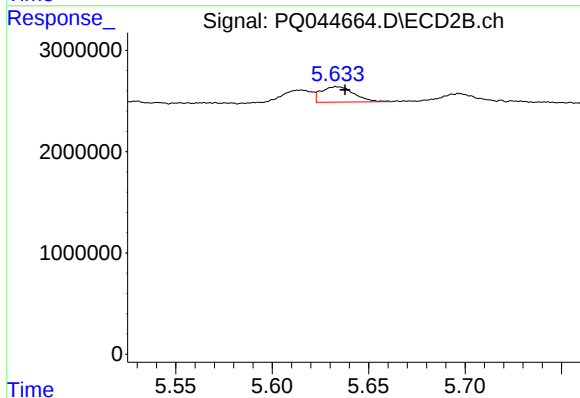
R.T.: 0.000 min  
Exp R.T. : 6.116 min  
Response: 0  
Conc: N.D.



#12 AR-1232-2

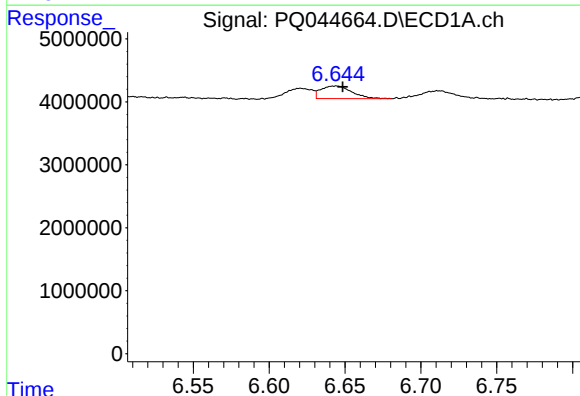
R.T.: 6.326 min  
Delta R.T.: -0.005 min  
Response: 1648647  
Conc: 34.47 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-MDL-SOIL-03-QT4-2019



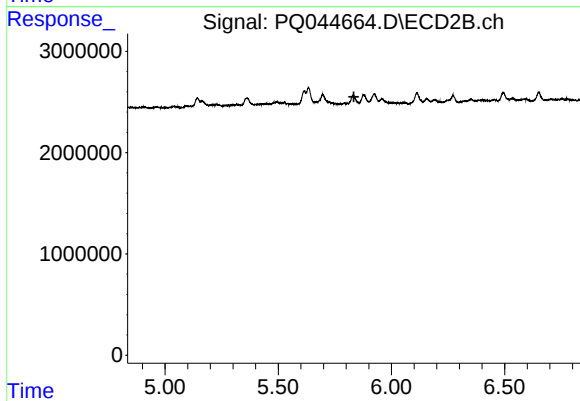
#12 AR-1232-2

R.T.: 5.634 min  
Delta R.T.: -0.004 min  
Response: 1789770  
Conc: 25.78 ng/ml



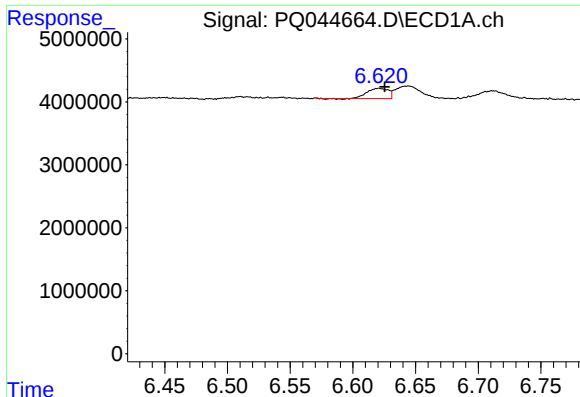
#13 AR-1232-3

R.T.: 6.644 min  
Delta R.T.: -0.005 min  
Response: 2884112  
Conc: 31.18 ng/ml



#13 AR-1232-3

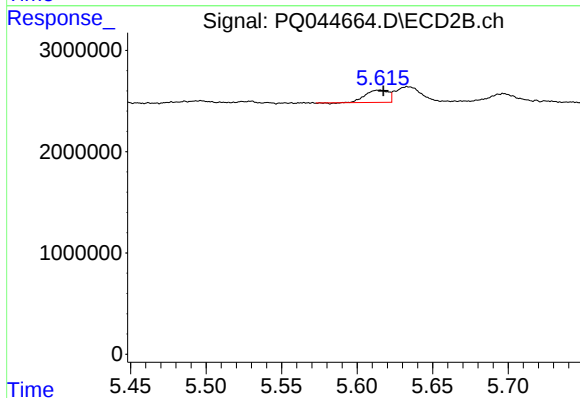
R.T.: 0.000 min  
Exp R.T.: 5.834 min  
Response: 0  
Conc: N.D.



#16 AR-1242-1

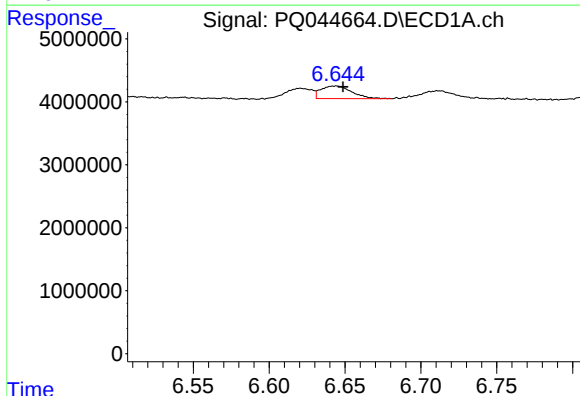
R.T.: 6.621 min  
Delta R.T.: -0.005 min  
Response: 1927707  
Conc: 39.54 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-MDL-SOIL-03-QT4-2019



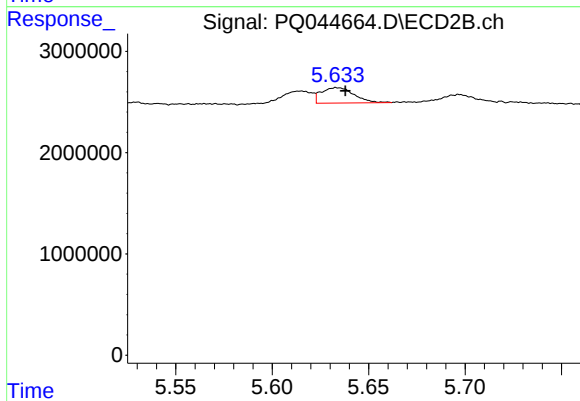
#16 AR-1242-1

R.T.: 5.615 min  
Delta R.T.: -0.003 min  
Response: 1274562  
Conc: 32.95 ng/ml



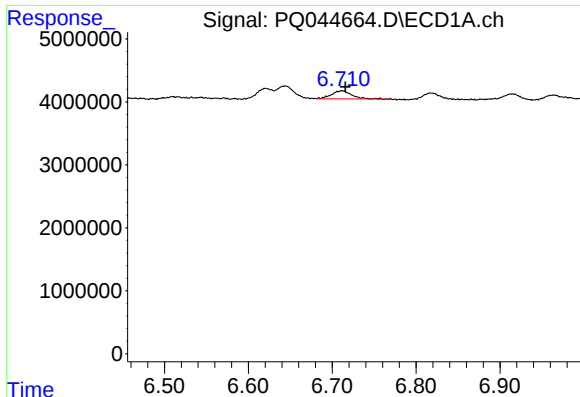
#17 AR-1242-2

R.T.: 6.644 min  
Delta R.T.: -0.005 min  
Response: 2884112  
Conc: 37.52 ng/ml



#17 AR-1242-2

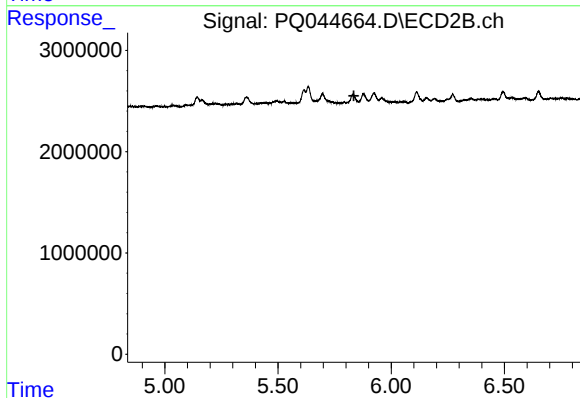
R.T.: 5.634 min  
Delta R.T.: -0.004 min  
Response: 1789770  
Conc: 31.12 ng/ml



#18 AR-1242-3

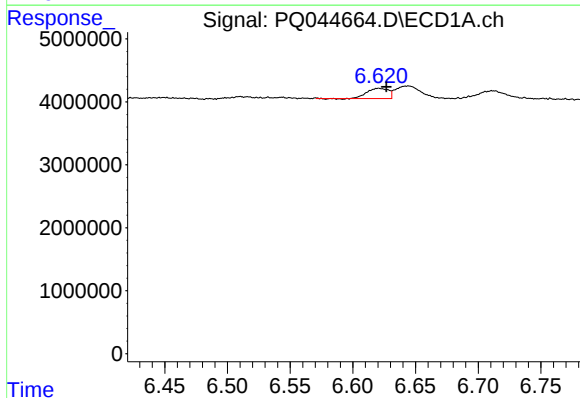
R.T.: 6.712 min  
Delta R.T.: -0.004 min  
Response: 2134980  
Conc: 44.64 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-MDL-SOIL-03-QT4-2019



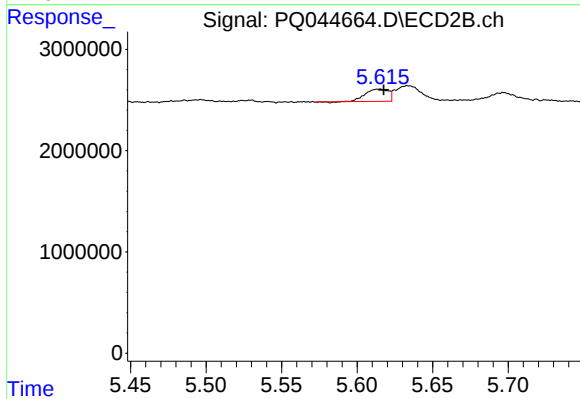
#18 AR-1242-3

R.T.: 0.000 min  
Exp R.T. : 5.835 min  
Response: 0  
Conc: N.D.



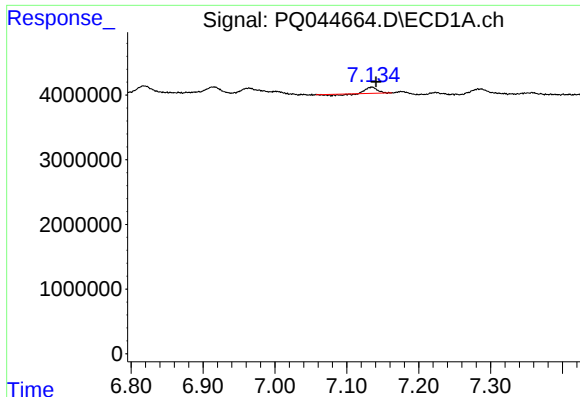
#21 AR-1248-1

R.T.: 6.621 min  
Delta R.T.: -0.006 min  
Response: 1927707  
Conc: 44.31 ng/ml



#21 AR-1248-1

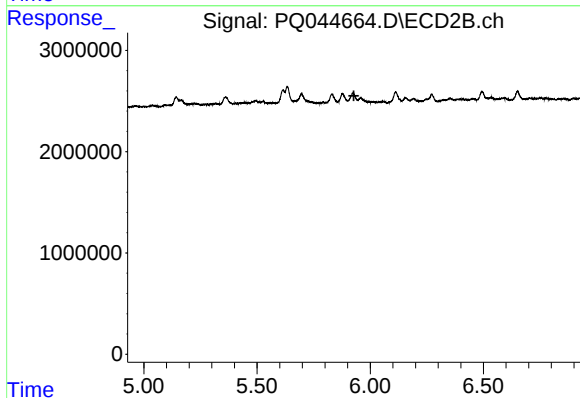
R.T.: 5.615 min  
Delta R.T.: -0.003 min  
Response: 1274562  
Conc: 36.96 ng/ml



#23 AR-1248-3

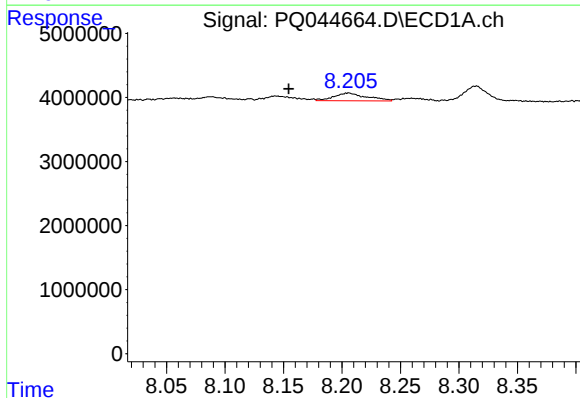
R.T.: 7.135 min  
Delta R.T.: -0.005 min  
Response: 824044  
Conc: 11.05 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-MDL-SOIL-03-QT4-2019



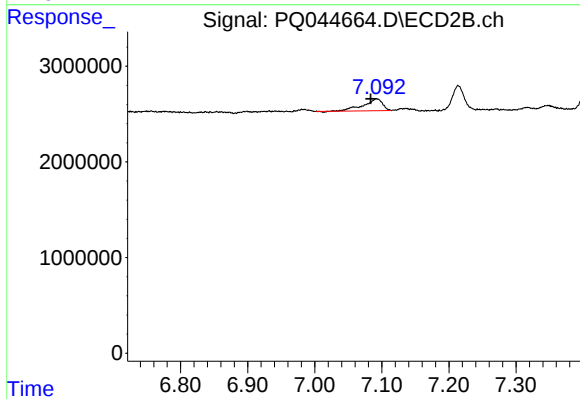
#23 AR-1248-3

R.T.: 0.000 min  
Exp R.T. : 5.928 min  
Response: 0  
Conc: N.D.



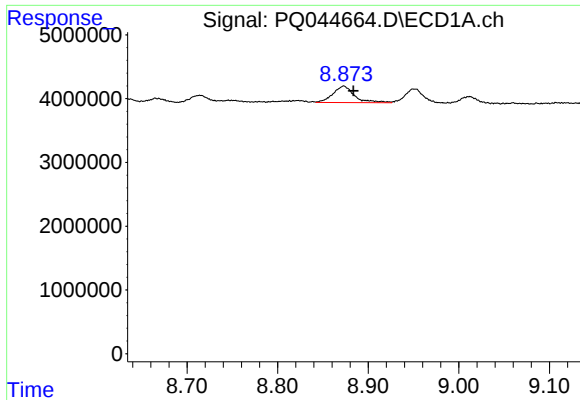
#28 AR-1254-3

R.T.: 8.206 min  
Delta R.T.: 0.051 min  
Response: 2385566  
Conc: 14.93 ng/ml



#28 AR-1254-3

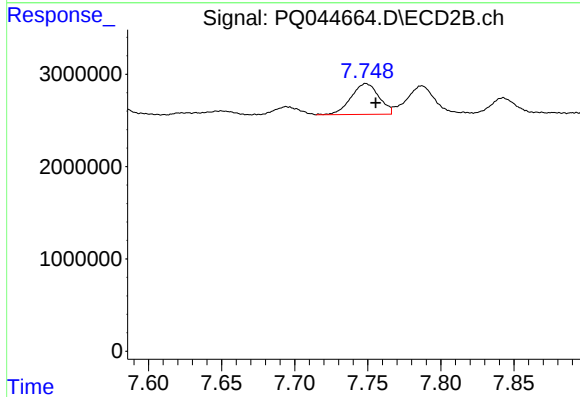
R.T.: 7.092 min  
Delta R.T.: 0.009 min  
Response: 2491183  
Conc: 12.28 ng/ml



#30 AR-1254-5

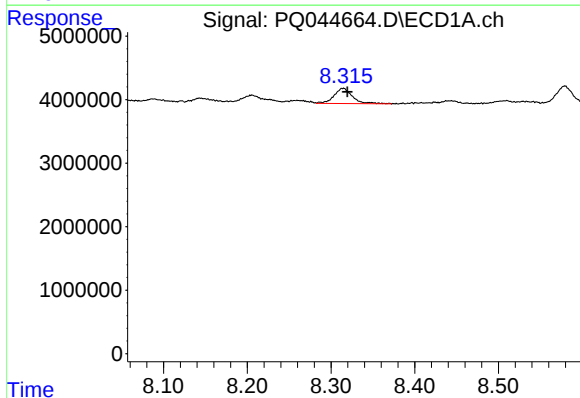
R.T.: 8.873 min  
Delta R.T.: -0.011 min  
Response: 4218993  
Conc: 32.12 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-MDL-SOIL-03-QT4-2019



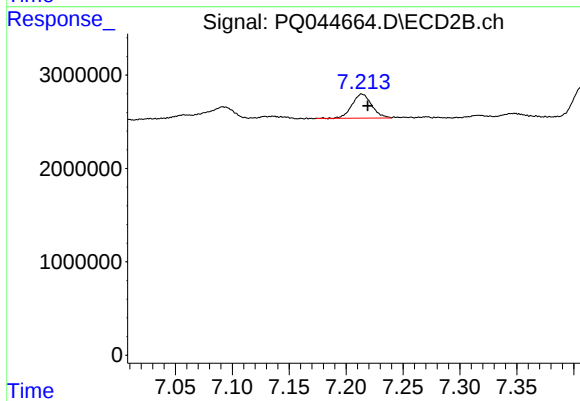
#30 AR-1254-5

R.T.: 7.749 min  
Delta R.T.: -0.007 min  
Response: 4438170  
Conc: 21.54 ng/ml



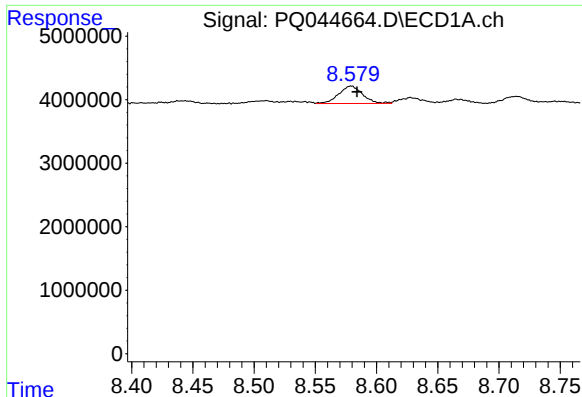
#31 AR-1260-1

R.T.: 8.315 min  
Delta R.T.: -0.005 min  
Response: 3622955  
Conc: 36.81 ng/ml



#31 AR-1260-1

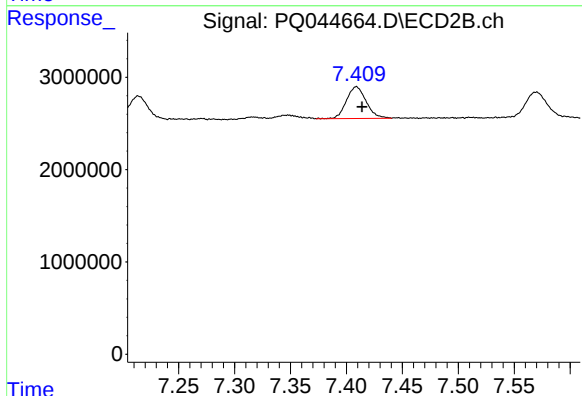
R.T.: 7.214 min  
Delta R.T.: -0.005 min  
Response: 3112639  
Conc: 26.69 ng/ml



#32 AR-1260-2

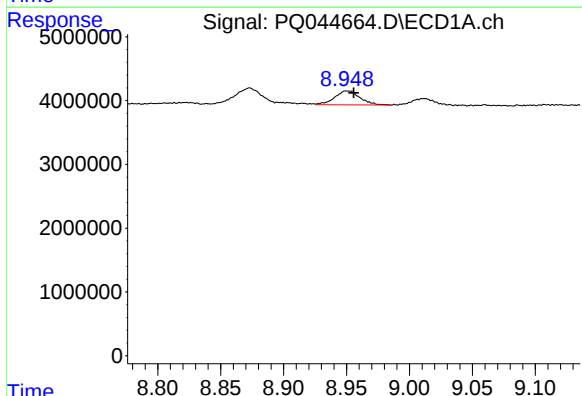
R.T.: 8.579 min  
Delta R.T.: -0.005 min  
Response: 3751327  
Conc: 31.95 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-MDL-SOIL-03-QT4-2019



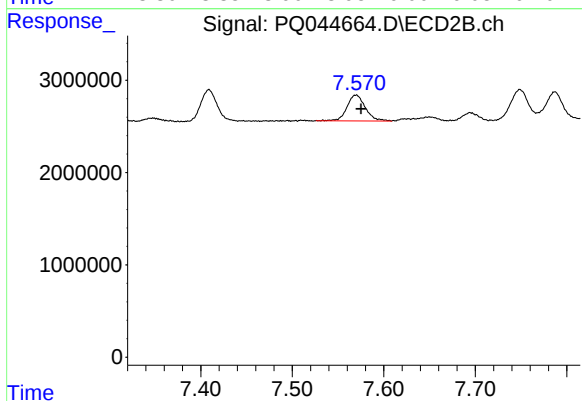
#32 AR-1260-2

R.T.: 7.409 min  
Delta R.T.: -0.005 min  
Response: 4213311  
Conc: 27.62 ng/ml



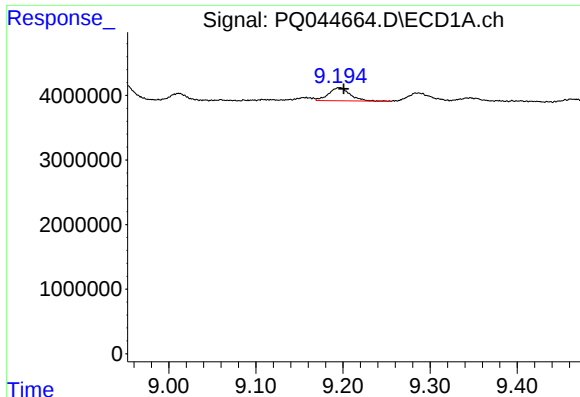
#33 AR-1260-3

R.T.: 8.951 min  
Delta R.T.: -0.005 min  
Response: 3043272  
Conc: 29.89 ng/ml



#33 AR-1260-3

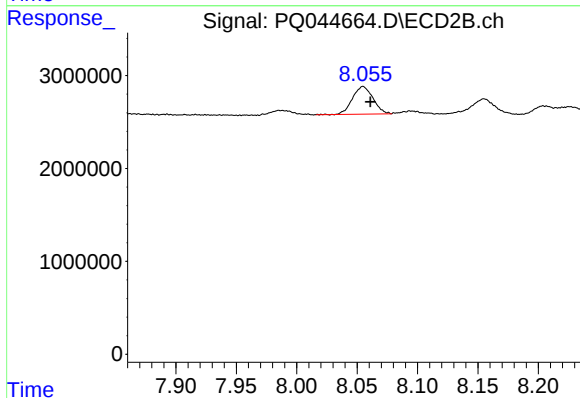
R.T.: 7.570 min  
Delta R.T.: -0.005 min  
Response: 3875772  
Conc: 28.22 ng/ml



#34 AR-1260-4

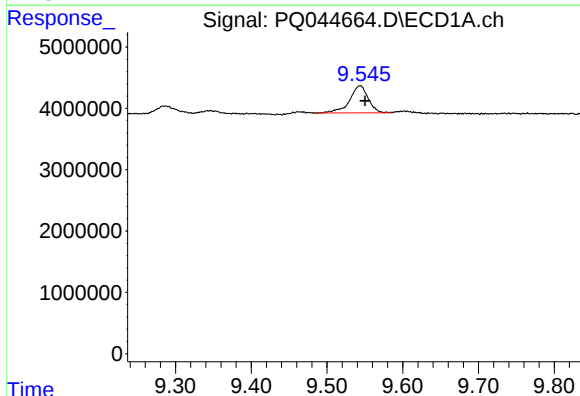
R.T.: 9.196 min  
Delta R.T.: -0.005 min  
Response: 3479479  
Conc: 28.98 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-MDL-SOIL-03-QT4-2019



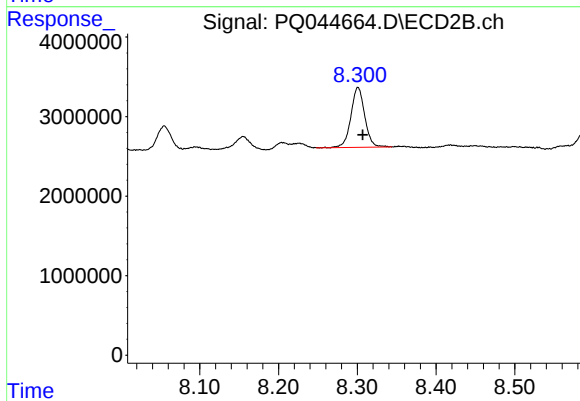
#34 AR-1260-4

R.T.: 8.055 min  
Delta R.T.: -0.006 min  
Response: 3502522  
Conc: 26.03 ng/ml



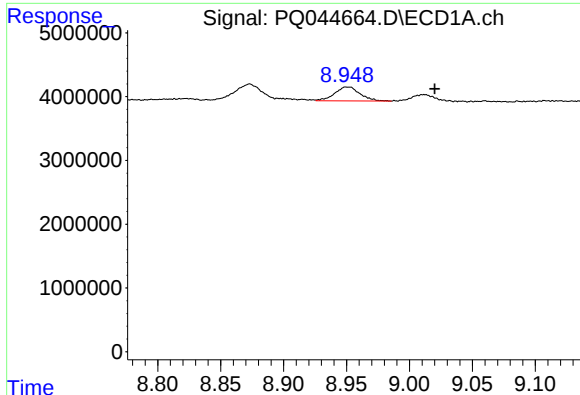
#35 AR-1260-5

R.T.: 9.544 min  
Delta R.T.: -0.006 min  
Response: 7543388  
Conc: 28.77 ng/ml



#35 AR-1260-5

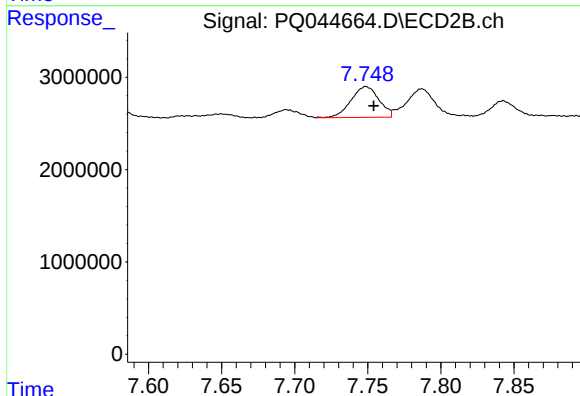
R.T.: 8.301 min  
Delta R.T.: -0.006 min  
Response: 9174204  
Conc: 26.02 ng/ml



#36 AR-1262-1

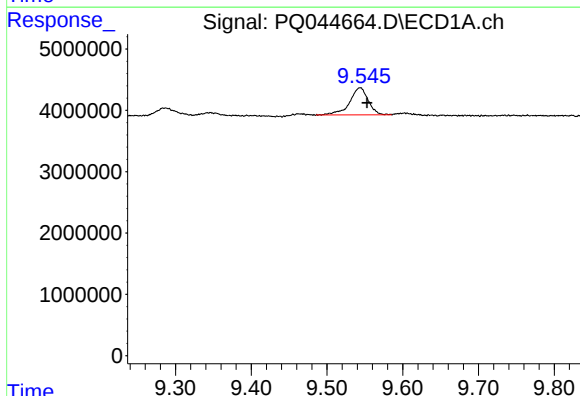
R.T.: 8.951 min  
Delta R.T.: -0.069 min  
Response: 3043272  
Conc: 44.02 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-MDL-SOIL-03-QT4-2019



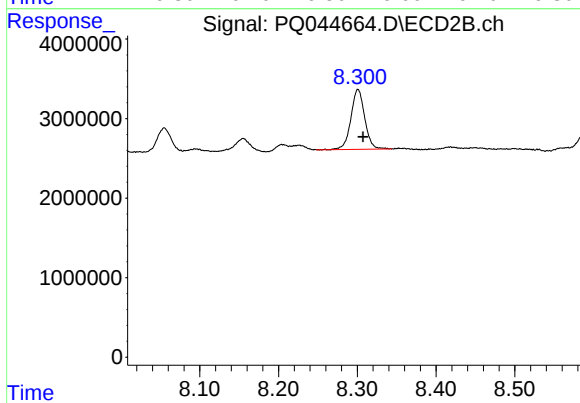
#36 AR-1262-1

R.T.: 7.749 min  
Delta R.T.: -0.005 min  
Response: 4438170  
Conc: 41.67 ng/ml



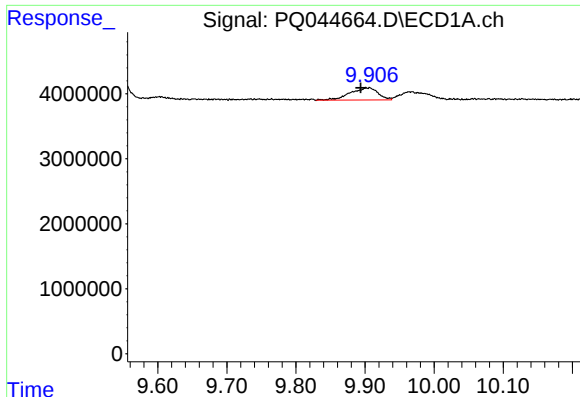
#37 AR-1262-2

R.T.: 9.544 min  
Delta R.T.: -0.009 min  
Response: 7543388  
Conc: 24.14 ng/ml



#37 AR-1262-2

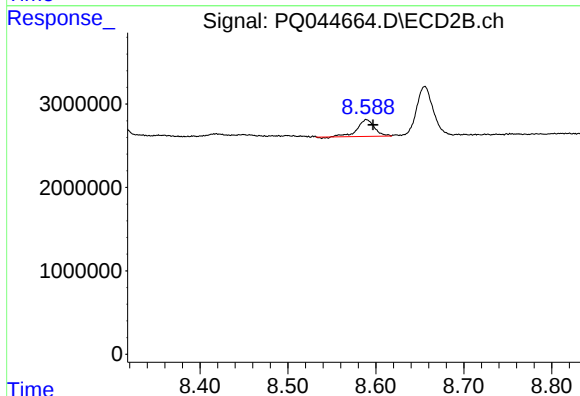
R.T.: 8.301 min  
Delta R.T.: -0.007 min  
Response: 9174204  
Conc: 20.98 ng/ml



#38 AR-1262-3

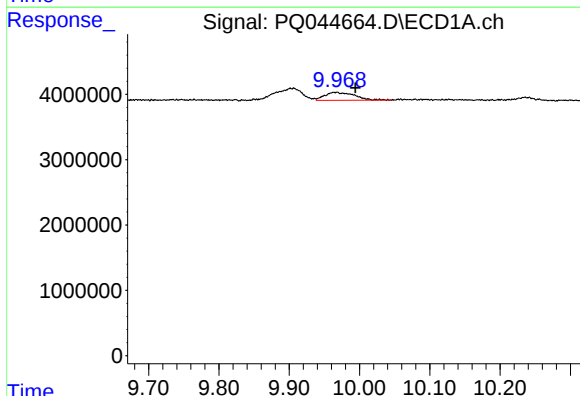
R.T.: 9.907 min  
Delta R.T.: 0.013 min  
Response: 5237240  
Conc: 21.82 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-MDL-SOIL-03-QT4-2019



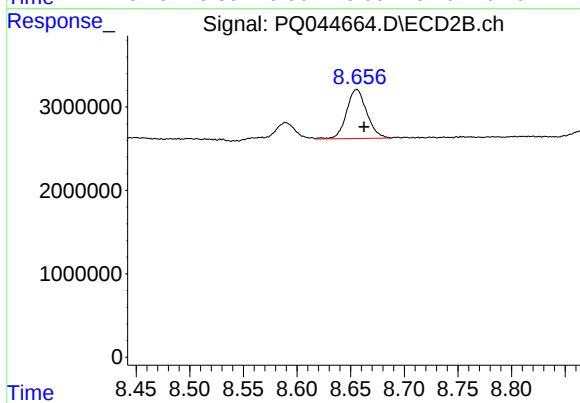
#38 AR-1262-3

R.T.: 8.589 min  
Delta R.T.: -0.008 min  
Response: 2743499  
Conc: 15.42 ng/ml



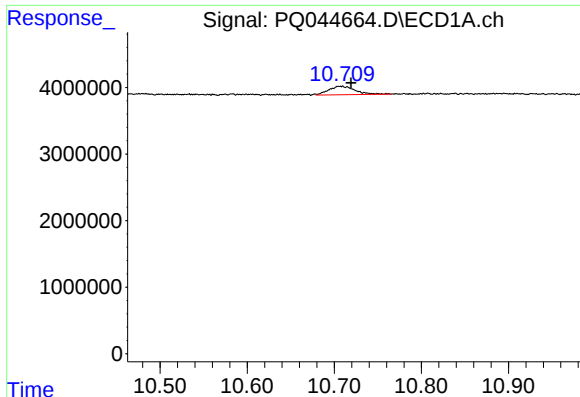
#39 AR-1262-4

R.T.: 9.968 min  
Delta R.T.: -0.026 min  
Response: 3594155  
Conc: 17.27 ng/ml



#39 AR-1262-4

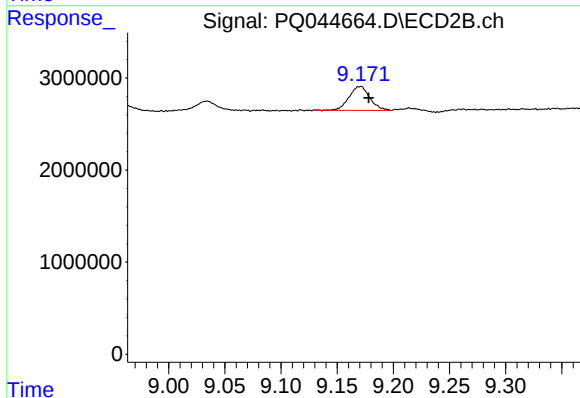
R.T.: 8.656 min  
Delta R.T.: -0.007 min  
Response: 7711172  
Conc: 21.99 ng/ml



#40 AR-1262-5

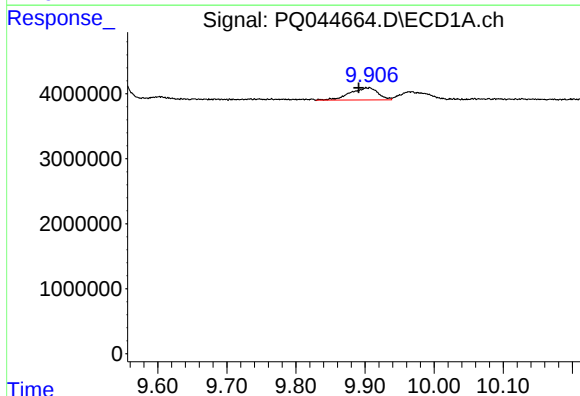
R.T.: 10.707 min  
Delta R.T.: -0.013 min  
Response: 2654508  
Conc: 16.66 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-MDL-SOIL-03-QT4-2019



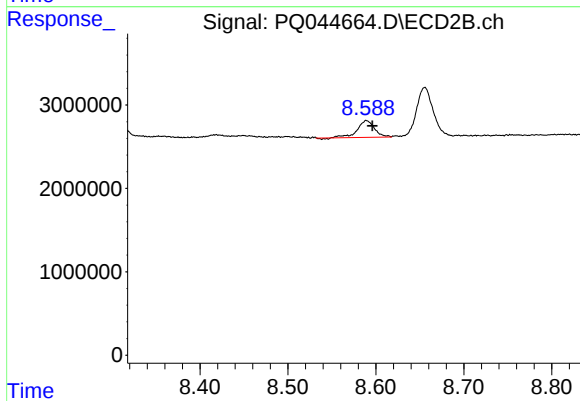
#40 AR-1262-5

R.T.: 9.171 min  
Delta R.T.: -0.008 min  
Response: 3349456  
Conc: 19.67 ng/ml



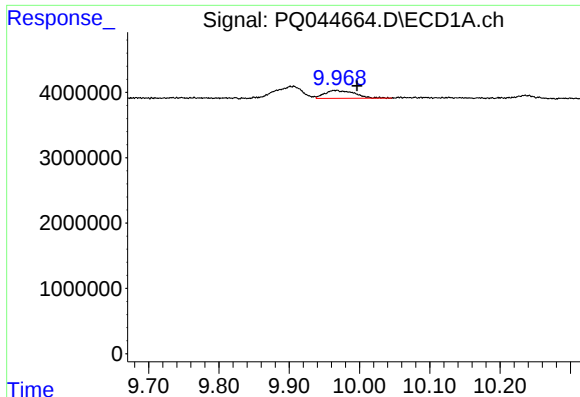
#41 AR-1268-1

R.T.: 9.907 min  
Delta R.T.: 0.015 min  
Response: 5237240  
Conc: 11.94 ng/ml



#41 AR-1268-1

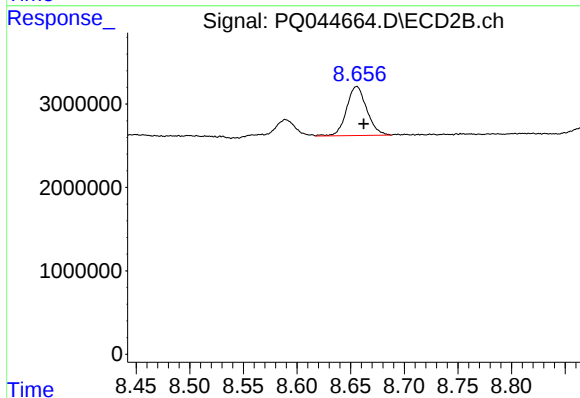
R.T.: 8.589 min  
Delta R.T.: -0.007 min  
Response: 2743499  
Conc: 5.23 ng/ml



#42 AR-1268-2

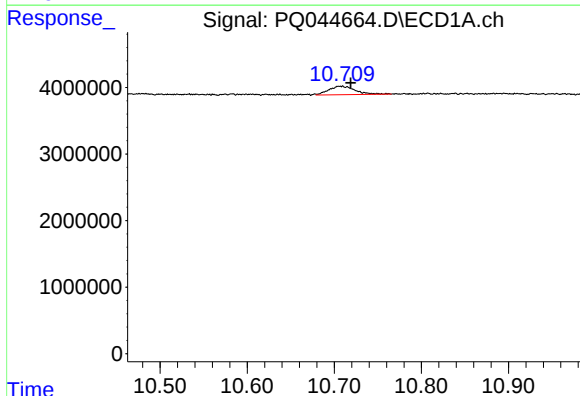
R.T.: 9.968 min  
Delta R.T.: -0.028 min  
Response: 3594155  
Conc: 7.71 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-MDL-SOIL-03-QT4-2019



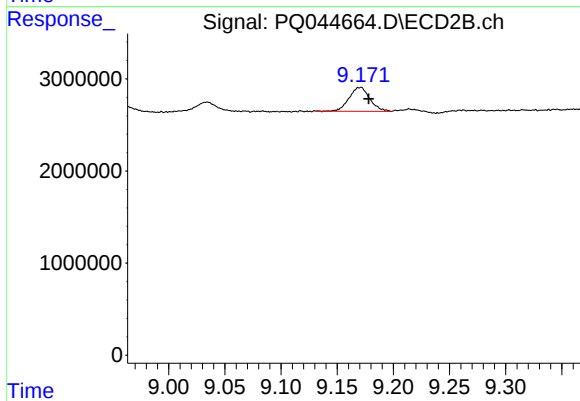
#42 AR-1268-2

R.T.: 8.656 min  
Delta R.T.: -0.007 min  
Response: 7711172  
Conc: 15.52 ng/ml



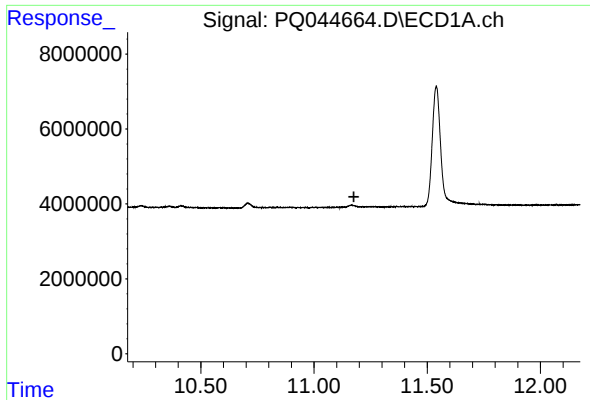
#44 AR-1268-4

R.T.: 10.707 min  
Delta R.T.: -0.012 min  
Response: 2654508  
Conc: 14.61 ng/ml



#44 AR-1268-4

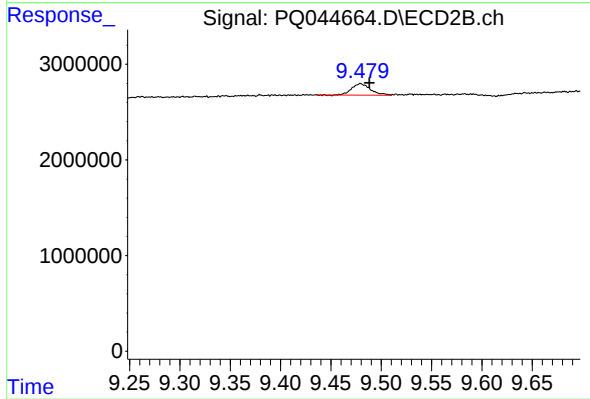
R.T.: 9.171 min  
Delta R.T.: -0.008 min  
Response: 3349456  
Conc: 17.06 ng/ml



#45 AR-1268-5

R.T.: 0.000 min  
Exp R.T.: 11.176 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-MDL-SOIL-03-QT4-2019



#45 AR-1268-5

R.T.: 9.479 min  
Delta R.T.: -0.009 min  
Response: 1554398  
Conc: 1.03 ng/ml