

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Data\PQ110219\  
 Data File : PQ044741.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 02 Nov 2019 07:50  
 Operator : HP\AJ  
 Sample : PQ110219ICV500  
 Misc :  
 ALS Vial : 58 Sample Multiplier: 1

Instrument :  
 ECD\_Q  
 ClientSampleId :  
 ICVPQ110219

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 04 02:21:32 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Method\PQ110219.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Mon Nov 04 02:17:09 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 15% Max. Rel. Area : 150%

| Compound                  | AvgRF   | CCRF       | %Dev | Area% | Dev(Min) |
|---------------------------|---------|------------|------|-------|----------|
| 1 SA Tetrachloro-m-xylene | 7.445   | 7.015 E6   | 5.8  | 97    | 0.00     |
| 2 SA Decachlorobiphenyl   | 6.612   | 6.676 E6   | -1.0 | 102   | 0.00     |
| 3 L1 AR-1016-1            | 224.532 | 209.187 E3 | 6.8  | 97    | 0.00     |
| 4 L1 AR-1016-2            | 337.535 | 319.764 E3 | 5.3  | 98    | 0.00     |
| 5 L1 AR-1016-3            | 216.914 | 206.702 E3 | 4.7  | 99    | 0.00     |
| 6 L1 AR-1016-4            | 172.955 | 165.798 E3 | 4.1  | 99    | 0.00     |
| 7 L1 AR-1016-5            | 180.578 | 161.166 E3 | 10.7 | 99    | 0.00     |
| 31 L7 AR-1260-1           | 275.331 | 263.966 E3 | 4.1  | 98    | 0.00     |
| 32 L7 AR-1260-2           | 322.439 | 302.098 E3 | 6.3  | 99    | 0.00     |
| 33 L7 AR-1260-3           | 246.158 | 239.527 E3 | 2.7  | 101   | 0.00     |
| 34 L7 AR-1260-4           | 273.276 | 265.113 E3 | 3.0  | 100   | 0.00     |
| 35 L7 AR-1260-5           | 508.920 | 494.671 E3 | 2.8  | 100   | 0.00     |

## Signal #2

|                               |         |            |      |     |      |
|-------------------------------|---------|------------|------|-----|------|
| 47 SA Tetrachloro-m-xylene #2 | 3.585   | 3.387 E6   | 5.5  | 97  | 0.00 |
| 48 SA Decachlorobiphenyl #2   | 7.956   | 8.090 E6   | -1.7 | 105 | 0.00 |
| 49 L1 AR-1016-1 #2            | 140.366 | 131.465 E3 | 6.3  | 95  | 0.00 |
| 50 L1 AR-1016-2 #2            | 205.330 | 200.971 E3 | 2.1  | 100 | 0.00 |
| 51 L1 AR-1016-3 #2            | 107.432 | 103.730 E3 | 3.4  | 98  | 0.00 |
| 52 L1 AR-1016-4 #2            | 94.638  | 89.333 E3  | 5.6  | 97  | 0.00 |
| 53 L1 AR-1016-5 #2            | 124.910 | 114.466 E3 | 8.4  | 95  | 0.00 |
| 77 L7 AR-1260-1 #2            | 253.401 | 239.462 E3 | 5.5  | 97  | 0.00 |
| 78 L7 AR-1260-2 #2            | 327.627 | 295.881 E3 | 9.7  | 93  | 0.00 |
| 79 L7 AR-1260-3 #2            | 294.649 | 281.474 E3 | 4.5  | 97  | 0.00 |
| 80 L7 AR-1260-4 #2            | 271.531 | 263.126 E3 | 3.1  | 98  | 0.00 |
| 81 L7 AR-1260-5 #2            | 688.068 | 687.884 E3 | 0.0  | 99  | 0.00 |

## Evaluate Continuing Calibration Report - Not Found

|                 |         |          |        |    |        |
|-----------------|---------|----------|--------|----|--------|
| 8 L2 AR-1221-1  | 77.047  | 0.000 E3 | 100.0# | 0# | -5.52# |
| 9 L2 AR-1221-2  | 57.379  | 0.000 E3 | 100.0# | 0# | -5.62# |
| 10 L2 AR-1221-3 | 175.898 | 0.000 E3 | 100.0# | 0# | -5.71# |
| 11 L3 AR-1232-1 | 238.657 | 0.000 E3 | 100.0# | 0# | -5.71# |
| 12 L3 AR-1232-2 | 125.054 | 0.000 E3 | 100.0# | 0# | -6.30# |
| 13 L3 AR-1232-3 | 241.200 | 0.000 E3 | 100.0# | 0# | -6.62# |
| 14 L3 AR-1232-4 | 123.384 | 0.000 E3 | 100.0# | 0# | -6.80# |
| 15 L3 AR-1232-5 | 94.059  | 0.000 E3 | 100.0# | 0# | -6.89# |
| 16 L4 AR-1242-1 | 161.337 | 0.000 E3 | 100.0# | 0# | -6.60# |
| 17 L4 AR-1242-2 | 250.102 | 0.000 E3 | 100.0# | 0# | -6.62# |
| 18 L4 AR-1242-3 | 157.712 | 0.000 E3 | 100.0# | 0# | -6.69# |
| 19 L4 AR-1242-4 | 126.679 | 0.000 E3 | 100.0# | 0# | -6.80# |

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 Sample : PQ110219ICV500  
 Misc :  
 ALS Vial : 58 Sample Multiplier: 1

Instrument :  
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 ICVPQ110219

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 04 02:21:32 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Method\PQ110219.M  
 Quant Title : GC EXTRACTABLES  
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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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 15% Max. Rel. Area : 150%

| Compound        | AvgRF   | CCRF     | %Dev   | Area% | Dev(Min) |
|-----------------|---------|----------|--------|-------|----------|
| 20 L4 AR-1242-5 | 139.072 | 0.000 E3 | 100.0# | 0#    | -7.58#   |
| 21 L5 AR-1248-1 | 129.065 | 0.000 E3 | 100.0# | 0#    | -6.60#   |
| 22 L5 AR-1248-2 | 184.164 | 0.000 E3 | 100.0# | 0#    | -6.89#   |
| 23 L5 AR-1248-3 | 203.816 | 0.000 E3 | 100.0# | 0#    | -7.11#   |
| 24 L5 AR-1248-4 | 227.052 | 0.000 E3 | 100.0# | 0#    | -7.54#   |
| 25 L5 AR-1248-5 | 226.184 | 0.000 E3 | 100.0# | 0#    | -7.58#   |
| 26 L6 AR-1254-1 | 234.412 | 0.000 E3 | 100.0# | 0#    | -7.51#   |
| 27 L6 AR-1254-2 | 363.393 | 0.000 E3 | 100.0# | 0#    | -7.74#   |
| 28 L6 AR-1254-3 | 385.079 | 0.000 E3 | 100.0# | 0#    | -8.12#   |
| 29 L6 AR-1254-4 | 274.524 | 0.000 E3 | 100.0# | 0#    | -8.42#   |
| 30 L6 AR-1254-5 | 288.307 | 0.000 E3 | 100.0# | 0#    | -8.85#   |
| 36 L8 AR-1262-1 | 347.619 | 0.000 E3 | 100.0# | 0#    | -8.93#   |
| 37 L8 AR-1262-2 | 571.684 | 0.000 E3 | 100.0# | 0#    | -9.52#   |
| 38 L8 AR-1262-3 | 399.743 | 0.000 E3 | 100.0# | 0#    | -9.86#   |
| 39 L8 AR-1262-4 | 348.124 | 0.000 E3 | 100.0# | 0#    | -9.96#   |
| 40 L8 AR-1262-5 | 232.812 | 0.000 E3 | 100.0# | 0#    | -10.68#  |
| 41 L9 AR-1268-1 | 691.591 | 0.000 E3 | 100.0# | 0#    | -9.85#   |
| 42 L9 AR-1268-2 | 718.176 | 0.000 E3 | 100.0# | 0#    | -9.96#   |
| 43 L9 AR-1268-3 | 576.185 | 0.000 E3 | 100.0# | 0#    | -10.21#  |
| 44 L9 AR-1268-4 | 250.311 | 0.000 E3 | 100.0# | 0#    | -10.68#  |
| 45 L9 AR-1268-5 | 2.091   | 0.000 E6 | 100.0# | 0#    | -11.13#  |

## Signal #2

|                    |         |          |        |    |        |
|--------------------|---------|----------|--------|----|--------|
| 54 L2 AR-1221-1 #2 | 38.216  | 0.000 E3 | 100.0# | 0# | -4.58# |
| 55 L2 AR-1221-2 #2 | 29.855  | 0.000 E3 | 100.0# | 0# | -4.68# |
| 56 L2 AR-1221-3 #2 | 96.676  | 0.000 E3 | 100.0# | 0# | -4.77# |
| 57 L3 AR-1232-1 #2 | 128.149 | 0.000 E3 | 100.0# | 0# | -4.77# |
| 58 L3 AR-1232-2 #2 | 147.857 | 0.000 E3 | 100.0# | 0# | -5.62# |
| 59 L3 AR-1232-3 #2 | 76.629  | 0.000 E3 | 100.0# | 0# | -5.81# |
| 60 L3 AR-1232-4 #2 | 72.818  | 0.000 E3 | 100.0# | 0# | -5.91# |
| 61 L3 AR-1232-5 #2 | 79.021  | 0.000 E3 | 100.0# | 0# | -6.09# |
| 62 L4 AR-1242-1 #2 | 111.639 | 0.000 E3 | 100.0# | 0# | -5.60# |
| 63 L4 AR-1242-2 #2 | 157.003 | 0.000 E3 | 100.0# | 0# | -5.62# |
| 64 L4 AR-1242-3 #2 | 84.171  | 0.000 E3 | 100.0# | 0# | -5.81# |
| 65 L4 AR-1242-4 #2 | 85.376  | 0.000 E3 | 100.0# | 0# | -5.91# |
| 66 L4 AR-1242-5 #2 | 122.151 | 0.000 E3 | 100.0# | 0# | -6.48# |
| 67 L5 AR-1248-1 #2 | 84.051  | 0.000 E3 | 100.0# | 0# | -5.60# |
| 68 L5 AR-1248-2 #2 | 120.294 | 0.000 E3 | 100.0# | 0# | -5.86# |
| 69 L5 AR-1248-3 #2 | 123.013 | 0.000 E3 | 100.0# | 0# | -5.91# |
| 70 L5 AR-1248-4 #2 | 149.500 | 0.000 E3 | 100.0# | 0# | -6.09# |
| 71 L5 AR-1248-5 #2 | 157.646 | 0.000 E3 | 100.0# | 0# | -6.52# |

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|--------------------|---------|----------|--------|-------|----------|
| 72 L6 AR-1254-1 #2 | 250.053 | 0.000 E3 | 100.0# | 0#    | -6.48#   |
| 73 L6 AR-1254-2 #2 | 225.684 | 0.000 E3 | 100.0# | 0#    | -6.63#   |
| 74 L6 AR-1254-3 #2 | 400.971 | 0.000 E3 | 100.0# | 0#    | -7.06#   |
| 75 L6 AR-1254-4 #2 | 263.290 | 0.000 E3 | 100.0# | 0#    | -7.30#   |
| 76 L6 AR-1254-5 #2 | 393.843 | 0.000 E3 | 100.0# | 0#    | -7.73#   |
| 82 L8 AR-1262-1 #2 | 210.312 | 0.000 E3 | 100.0# | 0#    | -7.73#   |
| 83 L8 AR-1262-2 #2 | 851.571 | 0.000 E3 | 100.0# | 0#    | -8.29#   |
| 84 L8 AR-1262-3 #2 | 339.515 | 0.000 E3 | 100.0# | 0#    | -8.57#   |
| 85 L8 AR-1262-4 #2 | 670.566 | 0.000 E3 | 100.0# | 0#    | -8.64#   |
| 86 L8 AR-1262-5 #2 | 330.042 | 0.000 E3 | 100.0# | 0#    | -9.15#   |
| 87 L9 AR-1268-1 #2 | 999.923 | 0.000 E3 | 100.0# | 0#    | -8.57#   |
| 88 L9 AR-1268-2 #2 | 949.914 | 0.000 E3 | 100.0# | 0#    | -8.64#   |
| 89 L9 AR-1268-3 #2 | 772.568 | 0.000 E3 | 100.0# | 0#    | -8.85#   |
| 90 L9 AR-1268-4 #2 | 355.865 | 0.000 E3 | 100.0# | 0#    | -9.15#   |
| 91 L9 AR-1268-5 #2 | 2.924   | 0.000 E6 | 100.0# | 0#    | -9.46#   |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0