Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD062918\
Data File : VD059484.D
Acq On : 29 Jun 2018 11:13
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 02 13:18:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 107 | -0.01 |
| 2 | T | Dichlorodifluoromethane | 0.445 | 0.402 | 9.7 | 104 | 0.00 |
| 3 | P | Chloromethane | 0.231 | 0.198 | 14.3 | 101 | 0.00 |
| 4 | C | Vinyl Chloride | 0.240 | 0.210 | 12.5# | 98 | 0.00 |
| 5 | T | Bromomethane | 0.093 | 0.083 | 10.8 | 96 | 0.00 |
| 6 | T | Chloroethane | 0.099 | 0.107 | -8.1 | 106 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.346 | 0.371 | -7.2 | 112 | -0.01 |
| 8 | T | Diethyl Ether | 0.078 | 0.078 | 0.0 | 108 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.215 | 0.230 | -7.0 | 115 | -0.01 |
| 10 | T | Methyl Iodide | 0.251 | 0.248 | 1.2 | 97 | -0.01 |
| 11 | T | Tert butyl alcohol | 0.018 | 0.017 | 5.6 | 92 | -0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.165 | 0.173 | -4.8# | 118 | -0.01 |
| 13 | T | Acrolein | 0.016 | 0.024 | -50.0# | 173# | 0.00 |
| 14 | T | Allyl chloride | 0.377 | 0.379 | -0.5 | 113 | -0.01 |
| 15 | T | Acrylonitrile | 0.054 | 0.063 | -16.7 | 126 | 0.00 |
| 16 | T | Acetone | 0.065 | 0.077 | -18.5 | 134 | 0.00 |
| 17 | T | Carbon Disulfide | 0.505 | 0.457 | 9.5 | 101 | 0.00 |
| 18 | T | Methyl Acetate | 0.163 | 0.137 | 16.0 | 99 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 0.811 | 0.844 | -4.1 | 114 | 0.00 |
| 20 | T | Methylene Chloride | 0.204 | 0.172 | 15.7 | 104 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.291 | 0.334 | -14.8 | 125 | -0.01 |
| 22 | T | Diisopropyl ether | 1.419 | 1.404 | 1.1 | 110 | -0.01 |
| 23 | T | Vinyl Acetate | 0.739 | 0.806 | -9.1 | 116 | -0.01 |
| 24 | P | 1,1-Dichloroethane | 0.812 | 0.815 | -0.4 | 115 | -0.01 |
| 25 | T | 2-Butanone | 0.135 | 0.134 | 0.7 | 112 | -0.01 |
| 26 | T | 2,2-Dichloropropane | 0.630 | 0.716 | -13.7 | 127 | -0.01 |
| 27 | T | cis-1,2-Dichloroethene | 0.490 | 0.437 | 10.8 | 106 | 0.00 |
| 28 | T | Bromochloromethane | 0.352 | 0.344 | 2.3 | 103 | -0.01 |
| 29 | | Tetrahydrofuran | 0.074 | 0.065 | 12.2 | 96 | -0.01 |
| 30 | C | Chloroform | 0.885 | 0.874 | 1.2# | 111 | -0.01 |
| 31 | T | Cyclohexane | 0.623 | 0.543 | 12.8 | 105 | -0.01 |
| 32 | T | 1,1,1-Trichloroethane | 0.717 | 0.732 | -2.1 | 110 | -0.01 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.511 | 0.410 | 19.8 | 81 | -0.01 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 105 | -0.01 |
| 35 | S | Dibromofluoromethane | 0.407 | 0.335 | 17.7 | 83 | -0.01 |
| 36 | T | 1,1-Dichloropropene | 0.454 | 0.451 | 0.7 | 110 | -0.01 |
| 37 | T | Ethyl Acetate | 0.276 | 0.252 | 8.7 | 100 | -0.01 |
| 38 | T | Carbon Tetrachloride | 0.468 | 0.484 | -3.4 | 112 | -0.01 |
| 39 | T | Methylcyclohexane | 0.430 | 0.410 | 4.7 | 106 | 0.00 |
| 40 | TM | Benzene | 1.088 | 1.066 | 2.0 | 107 | -0.01 |
| 41 | T | Methacrylonitrile | 0.133 | 0.129 | 3.0 | 100 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.481 | 0.462 | 4.0 | 104 | -0.01 |
| 43 | T | Isopropyl Acetate | 0.347 | 0.342 | 1.4 | 106 | -0.01 |
| 44 | TM | Trichloroethene | 0.356 | 0.341 | 4.2 | 108 | -0.01 |
| 45 | C | 1,2-Dichloropropane | 0.301 | 0.302 | -0.3# | 112 | 0.00 |

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ALS Vial : 2 Sample Multiplier: 1

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 46 | T | Dibromomethane | 0.217 | 0.215 | 0.9 | 107 | 0.00 |
| 47 | T | Bromodichloromethane | 0.485 | 0.505 | -4.1 | 105 | -0.01 |
| 48 | T | Methyl methacrylate | 0.211 | 0.214 | -1.4 | 113 | -0.01 |
| 49 | T | 1,4-Dioxane | 0.002 | 0.002 | 0.0 | 107 | -0.01 |
| 50 | S | Toluene-d8 | 0.952 | 0.709 | 25.5# | 75 | -0.01 |
| 51 | T | 4-Methyl-2-Pentanone | 0.231 | 0.218 | 5.6 | 102 | -0.01 |
| 52 | CM | Toluene | 0.650 | 0.600 | 7.7# | 103 | -0.01 |
| 53 | T | t-1,3-Dichloropropene | 0.405 | 0.423 | -4.4 | 110 | -0.01 |
| 54 | T | cis-1,3-Dichloropropene | 0.469 | 0.495 | -5.5 | 112 | -0.01 |
| 55 | T | 1,1,2-Trichloroethane | 0.236 | 0.227 | 3.8 | 104 | -0.01 |
| 56 | T | Ethyl methacrylate | 0.269 | 0.270 | -0.4 | 105 | -0.01 |
| 57 | T | 1,3-Dichloropropane | 0.386 | 0.385 | 0.3 | 106 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.139 | 0.128 | 7.9 | 100 | -0.01 |
| 59 | T | 2-Hexanone | 0.164 | 0.171 | -4.3 | 109 | -0.01 |
| 60 | T | Dibromochloromethane | 0.331 | 0.336 | -1.5 | 106 | -0.01 |
| 61 | T | 1,2-Dibromoethane | 0.263 | 0.249 | 5.3 | 103 | -0.01 |
| 62 | S | 4-Bromofluorobenzene | 0.396 | 0.334 | 15.7 | 86 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 64 | T | Tetrachloroethene | 0.439 | 0.409 | 6.8 | 101 | -0.01 |
| 65 | PM | Chlorobenzene | 0.914 | 0.916 | -0.2 | 108 | -0.01 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.351 | 0.381 | -8.5 | 104 | 0.00 |
| 67 | C | Ethyl Benzene | 1.543 | 1.614 | -4.6# | 108 | 0.00 |
| 68 | T | m/p-Xylenes | 0.512 | 0.512 | 0.0 | 108 | -0.01 |
| 69 | T | o-Xylene | 0.506 | 0.540 | -6.7 | 109 | -0.01 |
| 70 | T | Styrene | 0.867 | 0.876 | -1.0 | 103 | -0.01 |
| 71 | P | Bromoform | 0.291 | 0.327 | -12.4 | 108 | -0.01 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 73 | T | Isopropylbenzene | 2.822 | 2.850 | -1.0 | 106 | 0.00 |
| 74 | T | N-amyl acetate | 1.074 | 1.110 | -3.4 | 107 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.662 | 0.689 | -4.1 | 109 | -0.01 |
| 76 | T | 1,2,3-Trichloropropane | 0.690 | 0.700 | -1.4 | 105 | -0.01 |
| 77 | T | Bromobenzene | 0.888 | 0.912 | -2.7 | 107 | 0.00 |
| 78 | T | n-propylbenzene | 3.574 | 3.755 | -5.1 | 112 | -0.01 |
| 79 | T | 2-Chlorotoluene | 2.099 | 2.165 | -3.1 | 108 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.246 | 2.217 | 1.3 | 108 | -0.01 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.157 | 0.170 | -8.3 | 104 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.380 | 2.327 | 2.2 | 110 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.389 | 2.650 | -10.9 | 114 | -0.01 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.377 | 2.358 | 0.8 | 104 | -0.01 |
| 85 | T | sec-Butylbenzene | 2.932 | 2.933 | -0.0 | 103 | 0.00 |
| 86 | T | p-Isopropyltoluene | 2.363 | 2.415 | -2.2 | 108 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.461 | 1.569 | -7.4 | 114 | -0.01 |
| 88 | T | 1,4-Dichlorobenzene | 1.442 | 1.454 | -0.8 | 108 | 0.00 |
| 89 | T | n-Butylbenzene | 2.333 | 2.460 | -5.4 | 116 | -0.01 |

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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 90 | T | Hexachloroethane | 0.590 | 0.701 | -18.8 | 116 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.239 | 1.210 | 2.3 | 109 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.109 | 0.114 | -4.6 | 102 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.145 | 1.286 | -12.3 | 119 | -0.01 |
| 94 | T | Hexachlorobutadiene | 0.862 | 0.917 | -6.4 | 106 | 0.00 |
| 95 | T | Naphthalene | 1.596 | 1.653 | -3.6 | 110 | -0.01 |
| 96 | T | 1,2,3-Trichlorobenzene | 1.030 | 1.098 | -6.6 | 110 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6