# Evaluate Continuing Calibration Report

Data Path : W:\HPCHEM1\MSVOA_X\Data\VX031318\
Data File : VX000313.D
Acq On : 13 Mar 2018 20:53
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_X
**LabSampleId :** VSTDCCC050

Quant Time: Mar 14 01:43:25 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 08 02:15:47 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 | 83 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.545 | 0.510 | 6.4 | 83 | 0.00 |
| 3 | P | Chloromethane | 0.532 | 0.522 | 1.9 | 90 | 0.00 |
| 4 | C | Vinyl Chloride | 0.620 | 0.656 | -5.8# | 93 | 0.00 |
| 5 | T | Bromomethane | 0.737 | 0.732 | 0.7 | 87 | 0.00 |
| 6 | T | Chloroethane | 0.427 | 0.444 | -4.0 | 96 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.028 | 1.184 | -15.2 | 96 | 0.00 |
| 8 | T | Diethyl Ether | 0.377 | 0.432 | -14.6 | 101 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.574 | 0.626 | -9.1 | 94 | 0.00 |
| 10 | T | Methyl Iodide | 0.470 | 0.656 | -39.6# | 96 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.255 | 0.262 | -2.7 | 91 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.527 | 0.602 | -14.2# | 98 | 0.00 |
| 13 | T | Acrolein | 0.134 | 0.153 | -14.2 | 99 | 0.00 |
| 14 | T | Allyl chloride | 0.974 | 1.080 | -10.9 | 96 | 0.00 |
| 15 | T | Acrylonitrile | 0.443 | 0.499 | -12.6 | 96 | 0.00 |
| 16 | T | Acetone | 0.498 | 0.468 | 6.0 | 84 | 0.00 |
| 17 | T | Carbon Disulfide | 1.445 | 1.648 | -14.0 | 96 | 0.00 |
| 18 | T | Methyl Acetate | 1.060 | 1.202 | -13.4 | 99 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.878 | 2.299 | -22.4# | 105 | 0.00 |
| 20 | T | Methylene Chloride | 0.594 | 0.664 | -11.8 | 101 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.580 | 0.648 | -11.7 | 95 | 0.00 |
| 22 | T | Diisopropyl ether | 1.673 | 1.709 | -2.2 | 98 | 0.00 |
| 23 | T | Vinyl Acetate | 1.612 | 1.622 | -0.6 | 92 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.026 | 1.144 | -11.5 | 96 | 0.00 |
| 25 | T | 2-Butanone | 0.614 | 0.613 | 0.2 | 87 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.750 | 0.777 | -3.6 | 87 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.550 | 0.597 | -8.5 | 96 | 0.00 |
| 28 | T | Bromochloromethane | 0.436 | 0.484 | -11.0 | 94 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.386 | 0.393 | -1.8 | 88 | 0.00 |
| 30 | C | Chloroform | 0.992 | 1.095 | -10.4# | 94 | 0.00 |
| 31 | T | Cyclohexane | 0.758 | 0.793 | -4.6 | 85 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.860 | 0.992 | -15.3 | 94 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.693 | 0.708 | -2.2 | 86 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.314 | 0.335 | -6.7 | 89 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.445 | 0.457 | -2.7 | 90 | 0.00 |
| 37 | T | Ethyl Acetate | 0.643 | 0.634 | 1.4 | 92 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.450 | 0.490 | -8.9 | 92 | 0.00 |
| 39 | T | Methylcyclohexane | 0.546 | 0.512 | 6.2 | 82 | 0.00 |
| 40 | TM | Benzene | 1.283 | 1.356 | -5.7 | 92 | 0.00 |
| 41 | T | Methacrylonitrile | 0.328 | 0.330 | -0.6 | 93 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.503 | 0.529 | -5.2 | 92 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.930 | 0.996 | -7.1 | 94 | 0.00 |
| 44 | TM | Trichloroethene | 0.367 | 0.385 | -4.9 | 91 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.325 | 0.357 | -9.8# | 95 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_X
**LabSampleId :** VSTDCCC050

Quant Time: Mar 14 01:43:25 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 08 02:15:47 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 | 0.257 | 0.274 | -6.6 | 92 | 0.00 |
| 47 | T | Bromodichloromethane | 0.452 | 0.522 | -15.5 | 94 | 0.00 |
| 48 | T | Methyl methacrylate | 0.458 | 0.484 | -5.7 | 94 | 0.00 |
| 49 | T | 1,4-Dioxane | 0.010 | 0.011 | -10.0 | 93 | 0.00 |
| 50 | S | Toluene-d8 | 1.301 | 1.325 | -1.8 | 83 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.702 | 0.756 | -7.7 | 91 | 0.00 |
| 52 | CM | Toluene | 0.879 | 0.956 | -8.8# | 91 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.533 | 0.584 | -9.6 | 91 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.516 | 0.593 | -14.9 | 91 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.356 | 0.402 | -12.9 | 96 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.533 | 0.633 | -18.8 | 94 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.598 | 0.649 | -8.5 | 95 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.269 | 0.296 | -10.0 | 91 | 0.00 |
| 59 | T | 2-Hexanone | 0.598 | 0.633 | -5.9 | 89 | 0.00 |
| 60 | T | Dibromochloromethane | 0.376 | 0.449 | -19.4 | 94 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.396 | 0.453 | -14.4 | 95 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.508 | 0.527 | -3.7 | 86 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 64 | T | Tetrachloroethene | 0.350 | 0.363 | -3.7 | 92 | 0.00 |
| 65 | PM | Chlorobenzene | 1.010 | 1.120 | -10.9 | 93 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.345 | 0.404 | -17.1 | 96 | 0.00 |
| 67 | C | Ethyl Benzene | 1.762 | 1.900 | -7.8# | 92 | 0.00 |
| 68 | T | m/p-Xylenes | 0.678 | 0.756 | -11.5 | 91 | 0.00 |
| 69 | T | o-Xylene | 0.652 | 0.737 | -13.0 | 93 | 0.00 |
| 70 | T | Styrene | 1.081 | 1.270 | -17.5 | 94 | 0.00 |
| 71 | P | Bromoform | 0.294 | 0.368 | -25.2# | 97 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 73 | T | Isopropylbenzene | 3.130 | 3.291 | -5.1 | 91 | 0.00 |
| 74 | T | N-amyl acetate | 1.602 | 1.595 | 0.4 | 94 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.097 | 1.182 | -7.7 | 94 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.002 | 1.058 | -5.6 | 96 | 0.00 |
| 77 | T | Bromobenzene | 0.809 | 0.831 | -2.7 | 91 | 0.00 |
| 78 | T | n-propylbenzene | 3.684 | 3.753 | -1.9 | 89 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.078 | 2.200 | -5.9 | 92 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.614 | 2.862 | -9.5 | 93 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.327 | 0.340 | -4.0 | 86 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.527 | 2.729 | -8.0 | 92 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.543 | 2.797 | -10.0 | 92 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.688 | 2.978 | -10.8 | 93 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.217 | 3.439 | -6.9 | 90 | 0.00 |
| 86 | T | p-Isopropyltoluene | 2.837 | 3.124 | -10.1 | 92 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.539 | 1.681 | -9.2 | 92 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.613 | 1.738 | -7.7 | 93 | 0.00 |
| 89 | T | n-Butylbenzene | 2.732 | 2.858 | -4.6 | 89 | 0.00 |

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**Instrument :** MSVOA_X
**LabSampleId :** VSTDCCC050

Quant Time: Mar 14 01:43:25 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 08 02:15:47 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) |
|---|---|---|---|---|---|---|
| 90 T | Hexachloroethane | 0.457 | 0.505 | -10.5 | 91 | 0.00 |
| 91 T | 1,2-Dichlorobenzene | 1.523 | 1.668 | -9.5 | 92 | 0.00 |
| 92 T | 1,2-Dibromo-3-Chloropropane | 0.308 | 0.332 | -7.8 | 92 | 0.00 |
| 93 T | 1,2,4-Trichlorobenzene | 1.108 | 1.150 | -3.8 | 91 | 0.00 |
| 94 T | Hexachlorobutadiene | 0.461 | 0.424 | 8.0 | 84 | 0.00 |
| 95 T | Naphthalene | 3.867 | 4.293 | -11.0 | 94 | 0.00 |
| 96 T | 1,2,3-Trichlorobenzene | 1.096 | 1.163 | -6.1 | 94 | 0.00 |

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