# Evaluate Continuing Calibration Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
Data File : VX019092.D
Acq On : 23 Oct 2020 22:06
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: Oct 26 05:44:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 22 17:51:42 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.498 | 0.511 | -2.6 | 85 | 0.00 |
| 3 | P | Chloromethane | 0.495 | 0.457 | 7.7 | 80 | 0.00 |
| 4 | C | Vinyl Chloride | 0.584 | 0.574 | 1.7# | 83 | 0.00 |
| 5 | T | Bromomethane | 0.596 | 0.401 | 32.7# | 62 | 0.00 |
| 6 | T | Chloroethane | 0.365 | 0.389 | -6.6 | 83 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.987 | 0.986 | 0.1 | 85 | 0.00 |
| 8 | T | Diethyl Ether | 0.387 | 0.372 | 3.9 | 84 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.468 | 0.477 | -1.9 | 90 | 0.00 |
| 10 | T | Methyl Iodide | 0.590 | 0.539 | 8.6 | 72 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.121 | 0.115 | 5.0 | 84 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.487 | 0.477 | 2.1# | 86 | 0.00 |
| 13 | T | Acrolein | 0.048 | 0.065 | -35.4# | 132 | 0.00 |
| 14 | T | Allyl chloride | 0.630 | 0.607 | 3.7 | 84 | 0.00 |
| 15 | T | Acrylonitrile | 0.235 | 0.230 | 2.1 | 85 | 0.00 |
| 16 | T | Acetone | 0.204 | 0.190 | 6.9 | 83 | 0.00 |
| 17 | T | Carbon Disulfide | 1.404 | 1.268 | 9.7 | 81 | 0.00 |
| 18 | T | Methyl Acetate | 0.506 | 0.514 | -1.6 | 87 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.542 | 1.550 | -0.5 | 86 | 0.00 |
| 20 | T | Methylene Chloride | 0.568 | 0.556 | 2.1 | 88 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.568 | 0.556 | 2.1 | 87 | 0.00 |
| 22 | T | Diisopropyl ether | 1.241 | 1.238 | 0.2 | 85 | 0.00 |
| 23 | T | Vinyl Acetate | 1.179 | 1.175 | 0.3 | 84 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.904 | 0.903 | 0.1 | 86 | 0.00 |
| 25 | T | 2-Butanone | 0.322 | 0.313 | 2.8 | 82 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.835 | 0.775 | 7.2 | 80 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.644 | 0.648 | -0.6 | 87 | 0.00 |
| 28 | T | Bromochloromethane | 0.384 | 0.371 | 3.4 | 84 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.193 | 0.182 | 5.7 | 82 | 0.00 |
| 30 | C | Chloroform | 0.982 | 1.010 | -2.9# | 87 | 0.00 |
| 31 | T | Cyclohexane | 0.701 | 0.682 | 2.7 | 84 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.890 | 0.913 | -2.6 | 87 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.599 | 0.586 | 2.2 | 90 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.317 | 0.312 | 1.6 | 89 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.449 | 0.442 | 1.6 | 86 | 0.00 |
| 37 | T | Ethyl Acetate | 0.383 | 0.377 | 1.6 | 84 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.471 | 0.469 | 0.4 | 85 | 0.00 |
| 39 | T | Methylcyclohexane | 0.503 | 0.492 | 2.2 | 85 | 0.00 |
| 40 | TM | Benzene | 1.321 | 1.329 | -0.6 | 86 | 0.00 |
| 41 | T | Methacrylonitrile | 0.206 | 0.199 | 3.4 | 85 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.451 | 0.456 | -1.1 | 86 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.649 | 0.634 | 2.3 | 83 | 0.00 |
| 44 | TM | Trichloroethene | 0.385 | 0.377 | 2.1 | 85 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.317 | 0.320 | -0.9# | 87 | 0.00 |

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: Oct 26 05:44:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 22 17:51:42 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 46 | T | Dibromomethane | 0.241 | 0.241 | 0.0 | 87 | 0.00 |
| 47 | T | Bromodichloromethane | 0.473 | 0.477 | -0.8 | 85 | 0.00 |
| 48 | T | Methyl methacrylate | 0.320 | 0.300 | 6.3 | 83 | 0.00 |
| 49 | T | 1,4-Dioxane | 0.007 | 0.007 | 0.0 | 84 | 0.00 |
| 50 | S | Toluene-d8 | 1.208 | 1.172 | 3.0 | 87 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.382 | 0.381 | 0.3 | 82 | 0.00 |
| 52 | CM | Toluene | 0.873 | 0.875 | -0.2# | 85 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.534 | 0.516 | 3.4 | 82 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.564 | 0.562 | 0.4 | 85 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.356 | 0.353 | 0.8 | 85 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.512 | 0.515 | -0.6 | 84 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.565 | 0.575 | -1.8 | 86 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.269 | 0.264 | 1.9 | 85 | 0.00 |
| 59 | T | 2-Hexanone | 0.285 | 0.283 | 0.7 | 82 | 0.00 |
| 60 | T | Dibromochloromethane | 0.388 | 0.388 | 0.0 | 83 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.381 | 0.378 | 0.8 | 84 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.430 | 0.413 | 4.0 | 86 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 64 | T | Tetrachloroethene | 0.381 | 0.377 | 1.0 | 87 | 0.00 |
| 65 | PM | Chlorobenzene | 1.049 | 1.054 | -0.5 | 84 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.373 | 0.390 | -4.6 | 83 | 0.00 |
| 67 | C | Ethyl Benzene | 1.808 | 1.857 | -2.7# | 85 | 0.00 |
| 68 | T | m/p-Xylenes | 0.693 | 0.716 | -3.3 | 84 | 0.00 |
| 69 | T | o-Xylene | 0.663 | 0.682 | -2.9 | 84 | 0.00 |
| 70 | T | Styrene | 1.125 | 1.166 | -3.6 | 84 | 0.00 |
| 71 | P | Bromoform | 0.301 | 0.307 | -2.0 | 81 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 73 | T | Isopropylbenzene | 3.597 | 3.567 | 0.8 | 85 | 0.00 |
| 74 | T | N-amyl acetate | 1.152 | 1.135 | 1.5 | 83 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.084 | 1.113 | -2.7 | 88 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.999 | 1.016 | -1.7 | 87 | 0.00 |
| 77 | T | Bromobenzene | 0.908 | 0.896 | 1.3 | 85 | 0.00 |
| 78 | T | n-propylbenzene | 4.076 | 4.056 | 0.5 | 85 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.378 | 2.345 | 1.4 | 85 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.970 | 2.944 | 0.9 | 84 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.392 | 0.360 | 8.2 | 77 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.829 | 2.775 | 1.9 | 85 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.926 | 2.933 | -0.2 | 85 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.974 | 2.984 | -0.3 | 85 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.541 | 3.523 | 0.5 | 85 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.235 | 3.272 | -1.1 | 86 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.666 | 1.646 | 1.2 | 88 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.710 | 1.678 | 1.9 | 88 | 0.00 |
| 89 | T | n-Butylbenzene | 2.961 | 2.900 | 2.1 | 85 | 0.00 |

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Quant Title : SW846 8260
QLast Update : Thu Oct 22 17:51:42 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 90 T | Hexachloroethane | 0.495 | 0.500 | -1.0 | 82 | 0.00 |
| 91 T | 1,2-Dichlorobenzene | 1.554 | 1.601 | -3.0 | 89 | 0.00 |
| 92 T | 1,2-Dibromo-3-Chloropropane | 0.247 | 0.247 | 0.0 | 88 | 0.00 |
| 93 T | 1,2,4-Trichlorobenzene | 1.137 | 1.097 | 3.5 | 87 | 0.00 |
| 94 T | Hexachlorobutadiene | 0.527 | 0.458 | 13.1 | 80 | 0.00 |
| 95 T | Naphthalene | 3.576 | 3.703 | -3.6 | 88 | 0.00 |
| 96 T | 1,2,3-Trichlorobenzene | 1.106 | 1.113 | -0.6 | 89 | 0.00 |

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