# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010522\
Data File : VX026365.D
Acq On : 06 Jan 2022 08:34
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 55 Sample Multiplier: 1

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

Quant Time: Jan 06 12:26:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 30 08:02:21 2021
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 | 97 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.525 | 0.503 | 4.2 | 89 | 0.00 |
| 3 | P | Chloromethane | 0.611 | 0.456 | 25.4# | 71 | 0.00 |
| 4 | C | Vinyl Chloride | 0.643 | 0.539 | 16.2# | 80 | 0.00 |
| 5 | T | Bromomethane | 0.397 | 0.218 | 45.1# | 51 | 0.00 |
| 6 | T | Chloroethane | 0.452 | 0.303 | 33.0# | 67 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.108 | 0.876 | 20.9 | 74 | 0.00 |
| 8 | T | Diethyl Ether | 0.381 | 0.328 | 13.9 | 81 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.584 | 0.547 | 6.3 | 90 | 0.00 |
| 10 | T | Methyl Iodide | 0.755 | 0.513 | 32.1# | 63 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.144 | 0.054 | 62.5# | 39# | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.554 | 0.523 | 5.6# | 91 | 0.00 |
| 13 | T | Acrolein | 0.052 | 0.045 | 13.5 | 93 | 0.00 |
| 14 | T | Allyl chloride | 1.094 | 0.996 | 9.0 | 87 | 0.00 |
| 15 | T | Acrylonitrile | 0.358 | 0.320 | 10.6 | 85 | 0.00 |
| 16 | T | Acetone | 0.392 | 0.287 | 26.8# | 73 | 0.00 |
| 17 | T | Carbon Disulfide | 1.589 | 1.440 | 9.4 | 88 | 0.00 |
| 18 | T | Methyl Acetate | 1.271 | 1.162 | 8.6 | 88 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.934 | 2.007 | -3.8 | 98 | 0.00 |
| 20 | T | Methylene Chloride | 0.690 | 0.585 | 15.2 | 88 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.604 | 0.571 | 5.5 | 92 | 0.00 |
| 22 | T | Diisopropyl ether | 2.088 | 2.041 | 2.3 | 91 | 0.00 |
| 23 | T | Vinyl Acetate | 1.658 | 1.589 | 4.2 | 87 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.132 | 1.106 | 2.3 | 92 | 0.00 |
| 25 | T | 2-Butanone | 0.546 | 0.464 | 15.0 | 81 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.853 | 0.731 | 14.3 | 81 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.687 | 0.666 | 3.1 | 92 | 0.00 |
| 28 | T | Bromochloromethane | 0.502 | 0.461 | 8.2 | 90 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.344 | 0.303 | 11.9 | 83 | 0.00 |
| 30 | C | Chloroform | 1.197 | 1.148 | 4.1# | 91 | 0.00 |
| 31 | T | Cyclohexane | 1.030 | 1.005 | 2.4 | 91 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.041 | 1.033 | 0.8 | 94 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.723 | 0.696 | 3.7 | 100 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.325 | 0.317 | 2.5 | 101 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.524 | 0.510 | 2.7 | 92 | 0.00 |
| 37 | T | Ethyl Acetate | 0.608 | 0.558 | 8.2 | 85 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.583 | 0.541 | 7.2 | 88 | 0.00 |
| 39 | T | Methylcyclohexane | 0.591 | 0.573 | 3.0 | 91 | 0.00 |
| 40 | TM | Benzene | 1.496 | 1.437 | 3.9 | 91 | 0.00 |
| 41 | T | Methacrylonitrile | 0.343 | 0.331 | 3.5 | 89 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.606 | 0.573 | 5.4 | 91 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.991 | 0.934 | 5.8 | 89 | 0.00 |
| 44 | TM | Trichloroethene | 0.403 | 0.410 | -1.7 | 98 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.383 | 0.368 | 3.9# | 89 | 0.00 |
| 46 | T | Dibromomethane | 0.284 | 0.258 | 9.2 | 87 | 0.00 |
| 47 | T | Bromodichloromethane | 0.578 | 0.523 | 9.5 | 86 | 0.00 |
| 48 | T | Methyl methacrylate | 0.475 | 0.454 | 4.4 | 89 | 0.00 |

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MSVOA_X
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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.009 | 0.007 | 22.2 | 76 | 0.00 |
| 50 | S | Toluene-d8 | 1.209 | 1.128 | 6.7 | 96 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.617 | 0.545 | 11.7 | 82 | 0.00 |
| 52 | CM | Toluene | 0.921 | 0.872 | 5.3# | 89 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.546 | 0.507 | 7.1 | 83 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.610 | 0.565 | 7.4 | 86 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.379 | 0.351 | 7.4 | 88 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.584 | 0.577 | 1.2 | 90 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.649 | 0.613 | 5.5 | 90 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.277 | 0.280 | -1.1 | 89 | 0.00 |
| 59 | T | 2-Hexanone | 0.467 | 0.402 | 13.9 | 79 | 0.00 |
| 60 | T | Dibromochloromethane | 0.429 | 0.376 | 12.4 | 82 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.405 | 0.369 | 8.9 | 86 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.430 | 0.418 | 2.8 | 100 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 64 | T | Tetrachloroethene | 0.422 | 0.479 | -13.5 | 109 | 0.00 |
| 65 | PM | Chlorobenzene | 1.098 | 1.048 | 4.6 | 88 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.419 | 0.404 | 3.6 | 87 | 0.00 |
| 67 | C | Ethyl Benzene | 1.964 | 1.974 | -0.5# | 90 | 0.00 |
| 68 | T | m/p-Xylenes | 0.733 | 0.735 | -0.3 | 89 | 0.00 |
| 69 | T | o-Xylene | 0.717 | 0.715 | 0.3 | 88 | 0.00 |
| 70 | T | Styrene | 1.176 | 1.184 | -0.7 | 87 | 0.00 |
| 71 | P | Bromoform | 0.340 | 0.279 | 17.9 | 73 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 73 | T | Isopropylbenzene | 3.886 | 4.131 | -6.3 | 88 | 0.00 |
| 74 | T | N-amyl acetate | 1.785 | 1.825 | -2.2 | 81 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.322 | 1.135 | 14.1 | 74 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.207 | 1.352 | -12.0 | 96 | 0.00 |
| 77 | T | Bromobenzene | 0.922 | 0.947 | -2.7 | 85 | 0.00 |
| 78 | T | n-propylbenzene | 4.469 | 4.721 | -5.6 | 85 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.751 | 2.847 | -3.5 | 87 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.225 | 3.442 | -6.7 | 87 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.417 | 0.276 | 33.8# | 56 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.107 | 3.275 | -5.4 | 86 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.131 | 3.187 | -1.8 | 83 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.223 | 3.445 | -6.9 | 88 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.907 | 4.077 | -4.4 | 85 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.257 | 3.425 | -5.2 | 86 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.730 | 1.760 | -1.7 | 84 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.855 | 1.775 | 4.3 | 81 | 0.00 |
| 89 | T | n-Butylbenzene | 2.894 | 2.894 | 0.0 | 81 | 0.00 |
| 90 | T | Hexachloroethane | 0.650 | 0.506 | 22.2 | 65 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.795 | 1.708 | 4.8 | 84 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.338 | 0.301 | 10.9 | 77 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.061 | 1.071 | -0.9 | 84 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.440 | 0.421 | 4.3 | 81 | 0.00 |
| 95 | T | Naphthalene | 3.864 | 3.932 | -1.8 | 81 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 1.079 | 1.072 | 0.6 | 82 | 0.00 |

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