# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045534.D
Acq On : 02 Apr 2025 10:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 03 01:44:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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 | 113 | -0.01 |
| 2 | T | Dichlorodifluoromethane | 0.748 | 0.846 | -13.1 | 117 | 0.00 |
| 3 | P | Chloromethane | 0.768 | 0.790 | -2.9 | 114 | 0.00 |
| 4 | C | Vinyl Chloride | 0.703 | 0.712 | -1.3# | 113 | 0.00 |
| 5 | T | Bromomethane | 0.333 | 0.317 | 4.8 | 109 | 0.00 |
| 6 | T | Chloroethane | 0.373 | 0.382 | -2.4 | 108 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.048 | 1.047 | 0.1 | 109 | 0.00 |
| 8 | T | Diethyl Ether | 0.352 | 0.333 | 5.4 | 106 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.614 | 0.638 | -3.9 | 116 | 0.00 |
| 10 | T | Methyl Iodide | 0.766 | 0.734 | 4.2 | 104 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.123 | 0.119 | 3.3 | 106 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.600 | 0.594 | 1.0# | 112 | 0.00 |
| 13 | T | Acrolein | 0.169 | 0.160 | 5.3 | 108 | 0.00 |
| 14 | T | Allyl chloride | 1.139 | 1.153 | -1.2 | 111 | 0.00 |
| 15 | T | Acrylonitrile | 0.388 | 0.369 | 4.9 | 103 | 0.00 |
| 16 | T | Acetone | 0.375 | 0.405 | -8.0 | 122 | 0.00 |
| 17 | T | Carbon Disulfide | 1.483 | 1.570 | -5.9 | 114 | 0.00 |
| 18 | T | Methyl Acetate | 0.864 | 0.821 | 5.0 | 108 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.100 | 2.078 | 1.0 | 111 | 0.00 |
| 20 | T | Methylene Chloride | 0.703 | 0.669 | 4.8 | 107 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.613 | 0.605 | 1.3 | 110 | 0.00 |
| 22 | T | Diisopropyl ether | 2.243 | 2.187 | 2.5 | 108 | 0.00 |
| 23 | T | Vinyl Acetate | 1.938 | 1.981 | -2.2 | 108 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.269 | 1.222 | 3.7 | 109 | 0.00 |
| 25 | T | 2-Butanone | 0.550 | 0.551 | -0.2 | 107 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.820 | 0.949 | -15.7 | 127 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.747 | 0.720 | 3.6 | 109 | 0.00 |
| 28 | T | Bromochloromethane | 0.613 | 0.556 | 9.3 | 106 | -0.01 |
| 29 | T | Tetrahydrofuran | 0.356 | 0.334 | 6.2 | 102 | 0.00 |
| 30 | C | Chloroform | 1.306 | 1.251 | 4.2# | 108 | 0.00 |
| 31 | T | Cyclohexane | 1.122 | 1.103 | 1.7 | 111 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.105 | 1.091 | 1.3 | 111 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.914 | 0.833 | 8.9 | 109 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 111 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.355 | 0.339 | 4.5 | 109 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.479 | 0.484 | -1.0 | 110 | 0.00 |
| 37 | T | Ethyl Acetate | 0.604 | 0.582 | 3.6 | 103 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.518 | 0.536 | -3.5 | 110 | 0.00 |
| 39 | T | Methylcyclohexane | 0.587 | 0.637 | -8.5 | 113 | 0.00 |
| 40 | TM | Benzene | 1.463 | 1.434 | 2.0 | 107 | 0.00 |
| 41 | T | Methacrylonitrile | 0.318 | 0.333 | -4.7 | 105 | -0.01 |
| 42 | TM | 1,2-Dichloroethane | 0.604 | 0.595 | 1.5 | 106 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.915 | 0.937 | -2.4 | 106 | 0.00 |
| 44 | TM | Trichloroethene | 0.348 | 0.348 | 0.0 | 110 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.365 | 0.362 | 0.8# | 106 | 0.00 |
| 46 | T | Dibromomethane | 0.280 | 0.280 | 0.0 | 106 | 0.00 |
| 47 | T | Bromodichloromethane | 0.560 | 0.562 | -0.4 | 109 | 0.00 |
| 48 | T | Methyl methacrylate | 0.472 | 0.480 | -1.7 | 105 | 0.00 |

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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 | 0.009 | 0.0 | 103 | 0.00 |
| 50 | S | Toluene-d8 | 1.238 | 1.178 | 4.8 | 107 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.606 | 0.611 | -0.8 | 102 | 0.00 |
| 52 | CM | Toluene | 0.885 | 0.864 | 2.4# | 105 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.467 | 0.519 | -11.1 | 113 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.526 | 0.572 | -8.7 | 111 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.353 | 0.338 | 4.2 | 104 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.546 | 0.573 | -4.9 | 106 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.614 | 0.602 | 2.0 | 105 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.276 | 0.280 | -1.4 | 104 | 0.00 |
| 59 | T | 2-Hexanone | 0.449 | 0.462 | -2.9 | 104 | 0.00 |
| 60 | T | Dibromochloromethane | 0.385 | 0.406 | -5.5 | 109 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.357 | 0.358 | -0.3 | 106 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.451 | 0.440 | 2.4 | 107 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 64 | T | Tetrachloroethene | 0.353 | 0.345 | 2.3 | 106 | 0.00 |
| 65 | PM | Chlorobenzene | 1.068 | 1.083 | -1.4 | 107 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.371 | 0.376 | -1.3 | 108 | 0.00 |
| 67 | C | Ethyl Benzene | 1.914 | 1.972 | -3.0# | 105 | 0.00 |
| 68 | T | m/p-Xylenes | 0.696 | 0.720 | -3.4 | 106 | 0.00 |
| 69 | T | o-Xylene | 0.686 | 0.704 | -2.6 | 105 | 0.00 |
| 70 | T | Styrene | 1.132 | 1.188 | -4.9 | 104 | 0.00 |
| 71 | P | Bromoform | 0.277 | 0.302 | -9.0 | 109 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 110 | 0.00 |
| 73 | T | Isopropylbenzene | 4.005 | 3.984 | 0.5 | 105 | 0.00 |
| 74 | T | N-amyl acetate | 1.916 | 1.994 | -4.1 | 107 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.407 | 1.315 | 6.5 | 105 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.220 | 1.166 | 4.4 | 105 | 0.00 |
| 77 | T | Bromobenzene | 0.925 | 0.900 | 2.7 | 106 | 0.00 |
| 78 | T | n-propylbenzene | 4.613 | 4.741 | -2.8 | 107 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.949 | 2.856 | 3.2 | 106 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.312 | 3.350 | -1.1 | 105 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.359 | 0.379 | -5.6 | 113 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.288 | 3.261 | 0.8 | 104 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.279 | 3.316 | -1.1 | 107 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.324 | 3.357 | -1.0 | 105 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.027 | 4.173 | -3.6 | 107 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.320 | 3.466 | -4.4 | 108 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.684 | 1.667 | 1.0 | 108 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.708 | 1.671 | 2.2 | 108 | 0.00 |
| 89 | T | n-Butylbenzene | 2.879 | 3.206 | -11.4 | 112 | 0.00 |
| 90 | T | Hexachloroethane | 0.571 | 0.610 | -6.8 | 112 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.675 | 1.642 | 2.0 | 108 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.294 | 0.304 | -3.4 | 106 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.932 | 0.984 | -5.6 | 114 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.402 | 0.418 | -4.0 | 114 | 0.00 |
| 95 | T | Naphthalene | 3.469 | 3.527 | -1.7 | 104 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.976 | 1.003 | -2.8 | 110 | 0.00 |

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