# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020222\
Data File : VN070903.D
Acq On : 2 Feb 2022 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 03 05:58:24 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020222W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 02 15:30:39 2022
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 | 90 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.555 | 0.599 | -7.9 | 98 | 0.00 |
| 3 | P | Chloromethane | 0.701 | 0.784 | -11.8 | 108 | 0.00 |
| 4 | C | Vinyl Chloride | 0.585 | 0.512 | 12.5# | 79 | 0.00 |
| 5 | T | Bromomethane | 0.299 | 0.303 | -1.3 | 99 | 0.00 |
| 6 | T | Chloroethane | 0.265 | 0.301 | -13.6 | 104 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.654 | 0.721 | -10.2 | 102 | 0.00 |
| 8 | T | Diethyl Ether | 0.379 | 0.411 | -8.4 | 100 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.493 | 0.531 | -7.7 | 98 | 0.00 |
| 10 | T | Methyl Iodide | 0.728 | 0.792 | -8.8 | 97 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.142 | 0.163 | -14.8 | 106 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.504 | 0.539 | -6.9# | 97 | 0.00 |
| 13 | T | Acrolein | 0.157 | 0.162 | -3.2 | 100 | 0.00 |
| 14 | T | Allyl chloride | 1.148 | 1.259 | -9.7 | 99 | 0.00 |
| 15 | T | Acrylonitrile | 0.397 | 0.454 | -14.4 | 104 | 0.00 |
| 16 | T | Acetone | 0.405 | 0.390 | 3.7 | 89 | 0.00 |
| 17 | T | Carbon Disulfide | 1.565 | 1.608 | -2.7 | 96 | 0.00 |
| 18 | T | Methyl Acetate | 1.062 | 1.035 | 2.5 | 102 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.924 | 2.107 | -9.5 | 98 | 0.00 |
| 20 | T | Methylene Chloride | 0.615 | 0.650 | -5.7 | 99 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.537 | 0.571 | -6.3 | 96 | 0.00 |
| 22 | T | Diisopropyl ether | 2.223 | 2.414 | -8.6 | 99 | 0.00 |
| 23 | T | Vinyl Acetate | 1.967 | 2.184 | -11.0 | 99 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.120 | 1.194 | -6.6 | 98 | 0.00 |
| 25 | T | 2-Butanone | 0.584 | 0.644 | -10.3 | 100 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.879 | 0.895 | -1.8 | 93 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.635 | 0.673 | -6.0 | 97 | 0.00 |
| 28 | T | Bromochloromethane | 0.489 | 0.476 | 2.7 | 88 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.379 | 0.435 | -14.8 | 105 | 0.00 |
| 30 | C | Chloroform | 1.065 | 1.116 | -4.8# | 97 | 0.00 |
| 31 | T | Cyclohexane | 1.150 | 1.194 | -3.8 | 99 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.899 | 0.955 | -6.2 | 97 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.677 | 0.666 | 1.6 | 91 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.300 | 0.297 | 1.0 | 91 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.487 | 0.512 | -5.1 | 97 | 0.00 |
| 37 | T | Ethyl Acetate | 0.671 | 0.739 | -10.1 | 101 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.444 | 0.469 | -5.6 | 96 | 0.00 |
| 39 | T | Methylcyclohexane | 0.598 | 0.649 | -8.5 | 97 | 0.00 |
| 40 | TM | Benzene | 1.529 | 1.586 | -3.7 | 98 | 0.00 |
| 41 | T | Methacrylonitrile | 0.337 | 0.384 | -13.9 | 104 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.520 | 0.546 | -5.0 | 97 | 0.00 |
| 43 | T | Isopropyl Acetate | 1.127 | 1.149 | -2.0 | 100 | 0.00 |
| 44 | TM | Trichloroethene | 0.354 | 0.365 | -3.1 | 97 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.409 | 0.438 | -7.1# | 99 | 0.00 |
| 46 | T | Dibromomethane | 0.245 | 0.260 | -6.1 | 97 | 0.00 |
| 47 | T | Bromodichloromethane | 0.494 | 0.524 | -6.1 | 96 | 0.00 |
| 48 | T | Methyl methacrylate | 0.486 | 0.559 | -15.0 | 99 | 0.00 |

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**Instrument :**
MSVOA_N
**LabSampleId :**
VSTDCCC050

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Quant Title : SW846 8260
QLast Update : Wed Feb 02 15:30:39 2022
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) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.008 | 0.009 | -12.5 | 105 | 0.00 |
| 50 | S | Toluene-d8 | 1.230 | 1.220 | 0.8 | 92 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.664 | 0.751 | -13.1 | 102 | 0.00 |
| 52 | CM | Toluene | 0.947 | 0.982 | -3.7# | 97 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.557 | 0.600 | -7.7 | 97 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.606 | 0.651 | -7.4 | 96 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.360 | 0.380 | -5.6 | 98 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.627 | 0.694 | -10.7 | 98 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.630 | 0.675 | -7.1 | 98 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.142 | 0.161 | -13.4 | 99 | 0.00 |
| 59 | T | 2-Hexanone | 0.485 | 0.554 | -14.2 | 102 | 0.00 |
| 60 | T | Dibromochloromethane | 0.357 | 0.379 | -6.2 | 96 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.370 | 0.395 | -6.8 | 97 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.443 | 0.449 | -1.4 | 93 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 64 | T | Tetrachloroethene | 0.327 | 0.335 | -2.4 | 94 | 0.00 |
| 65 | PM | Chlorobenzene | 1.046 | 1.088 | -4.0 | 98 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.365 | 0.386 | -5.8 | 96 | 0.00 |
| 67 | C | Ethyl Benzene | 1.908 | 2.044 | -7.1# | 97 | 0.00 |
| 68 | T | m/p-Xylenes | 0.707 | 0.755 | -6.8 | 97 | 0.00 |
| 69 | T | o-Xylene | 0.707 | 0.747 | -5.7 | 96 | 0.00 |
| 70 | T | Styrene | 1.115 | 1.235 | -10.8 | 97 | 0.00 |
| 71 | P | Bromoform | 0.302 | 0.320 | -6.0 | 94 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 73 | T | Isopropylbenzene | 4.362 | 4.553 | -4.4 | 97 | 0.00 |
| 74 | T | N-amyl acetate | 1.954 | 2.175 | -11.3 | 100 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.511 | 1.582 | -4.7 | 100 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.203 | 1.178 | 2.1 | 90 | 0.00 |
| 77 | T | Bromobenzene | 1.046 | 1.048 | -0.2 | 95 | 0.00 |
| 78 | T | n-propylbenzene | 4.975 | 5.243 | -5.4 | 96 | 0.00 |
| 79 | T | 2-Chlorotoluene | 3.094 | 3.195 | -3.3 | 97 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.536 | 3.747 | -6.0 | 97 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.444 | 0.492 | -10.8 | 98 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.982 | 3.109 | -4.3 | 96 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.084 | 3.235 | -4.9 | 96 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.458 | 3.677 | -6.3 | 96 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.315 | 4.579 | -6.1 | 96 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.403 | 3.660 | -7.6 | 96 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.740 | 1.805 | -3.7 | 96 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.740 | 1.763 | -1.3 | 97 | 0.00 |
| 89 | T | n-Butylbenzene | 2.999 | 3.132 | -4.4 | 96 | 0.00 |
| 90 | T | Hexachloroethane | 0.603 | 0.637 | -5.6 | 95 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.669 | 1.728 | -3.5 | 97 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.274 | 0.300 | -9.5 | 101 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.924 | 0.946 | -2.4 | 98 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.557 | 0.572 | -2.7 | 96 | 0.00 |
| 95 | T | Naphthalene | 2.492 | 2.709 | -8.7 | 101 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.895 | 0.917 | -2.5 | 97 | 0.00 |

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