Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022525\
Data File : VN085847.D
Acq On : 25 Feb 2025 10:45
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Feb 26 03:41:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 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 | 81 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.680 | 0.608 | 10.6 | 74 | 0.00 |
| 3 | P | Chloromethane | 0.682 | 0.586 | 14.1 | 77 | 0.00 |
| 4 | C | Vinyl Chloride | 0.723 | 0.632 | 12.6# | 76 | 0.00 |
| 5 | T | Bromomethane | 0.462 | 0.373 | 19.3 | 72 | -0.01 |
| 6 | T | Chloroethane | 0.479 | 0.402 | 16.1 | 79 | -0.01 |
| 7 | T | Trichlorofluoromethane | 1.046 | 0.920 | 12.0 | 78 | 0.00 |
| 8 | T | Diethyl Ether | 0.339 | 0.306 | 9.7 | 75 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.605 | 0.565 | 6.6 | 82 | 0.00 |
| 10 | T | Methyl Iodide | 0.745 | 0.662 | 11.1 | 75 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.080 | 0.091 | -13.7 | 94 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.548 | 0.491 | 10.4# | 76 | 0.00 |
| 13 | T | Acrolein | 0.118 | 0.115 | 2.5 | 74 | 0.00 |
| 14 | T | Allyl chloride | 0.720 | 0.619 | 14.0 | 73 | 0.00 |
| 15 | T | Acrylonitrile | 0.259 | 0.282 | -8.9 | 94 | 0.00 |
| 16 | T | Acetone | 0.205 | 0.208 | -1.5 | 92 | 0.00 |
| 17 | T | Carbon Disulfide | 1.625 | 1.327 | 18.3 | 73 | 0.00 |
| 18 | T | Methyl Acetate | 0.705 | 0.729 | -3.4 | 96 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.629 | 1.593 | 2.2 | 78 | 0.00 |
| 20 | T | Methylene Chloride | 0.660 | 0.599 | 9.2 | 82 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.590 | 0.532 | 9.8 | 79 | 0.00 |
| 22 | T | Diisopropyl ether | 1.627 | 1.616 | 0.7 | 80 | 0.00 |
| 23 | T | Vinyl Acetate | 1.114 | 1.103 | 1.0 | 80 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.106 | 1.018 | 8.0 | 80 | 0.00 |
| 25 | T | 2-Butanone | 0.302 | 0.333 | -10.3 | 92 | 0.01 |
| 26 | T | 2,2-Dichloropropane | 0.983 | 0.891 | 9.4 | 77 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.685 | 0.621 | 9.3 | 77 | 0.00 |
| 28 | T | Bromochloromethane | 0.454 | 0.518 | -14.1 | 95 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.195 | 0.231 | -18.5 | 96 | 0.00 |
| 30 | C | Chloroform | 1.156 | 1.085 | 6.1# | 83 | 0.00 |
| 31 | T | Cyclohexane | 0.926 | 0.766 | 17.3 | 73 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.028 | 0.929 | 9.6 | 78 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.648 | 0.675 | -4.2 | 90 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 80 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.327 | 0.368 | -12.5 | 92 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.463 | 0.444 | 4.1 | 77 | 0.00 |
| 37 | T | Ethyl Acetate | 0.381 | 0.433 | -13.6 | 92 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.550 | 0.525 | 4.5 | 79 | 0.00 |
| 39 | T | Methylcyclohexane | 0.455 | 0.419 | 7.9 | 68 | 0.00 |
| 40 | TM | Benzene | 1.484 | 1.448 | 2.4 | 80 | 0.00 |
| 41 | T | Methacrylonitrile | 0.204 | 0.213 | -4.4 | 79 | 0.01 |
| 42 | TM | 1,2-Dichloroethane | 0.483 | 0.463 | 4.1 | 81 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.807 | 0.672 | 16.7 | 84 | 0.00 |
| 44 | TM | Trichloroethene | 0.364 | 0.326 | 10.4 | 77 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.358 | 0.359 | -0.3# | 83 | 0.00 |
| 46 | T | Dibromomethane | 0.253 | 0.257 | -1.6 | 84 | 0.00 |
| 47 | T | Bromodichloromethane | 0.541 | 0.535 | 1.1 | 82 | 0.00 |
| 48 | T | Methyl methacrylate | 0.283 | 0.315 | -11.3 | 84 | 0.00 |

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

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

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.005 | 0.007 | -40.0# | 91 | 0.00 |
| 50 | S | Toluene-d8 | 1.190 | 1.349 | -13.4 | 90 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.367 | 0.450 | -22.6 | 95 | 0.00 |
| 52 | CM | Toluene | 0.870 | 0.907 | -4.3# | 80 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.500 | 0.511 | -2.2 | 78 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.548 | 0.557 | -1.6 | 78 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.346 | 0.354 | -2.3 | 85 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.434 | 0.513 | -18.2 | 82 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.577 | 0.599 | -3.8 | 84 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.195 | 0.283 | -45.1# | 130 | 0.00 |
| 59 | T | 2-Hexanone | 0.253 | 0.331 | -30.8# | 97 | 0.00 |
| 60 | T | Dibromochloromethane | 0.403 | 0.420 | -4.2 | 83 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.327 | 0.343 | -4.9 | 85 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.392 | 0.481 | -22.7 | 91 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 64 | T | Tetrachloroethene | 0.387 | 0.335 | 13.4 | 78 | 0.00 |
| 65 | PM | Chlorobenzene | 1.145 | 1.068 | 6.7 | 81 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.412 | 0.395 | 4.1 | 84 | 0.00 |
| 67 | C | Ethyl Benzene | 1.794 | 1.793 | 0.1# | 79 | 0.00 |
| 68 | T | m/p-Xylenes | 0.682 | 0.728 | -6.7 | 83 | 0.00 |
| 69 | T | o-Xylene | 0.648 | 0.671 | -3.5 | 80 | 0.00 |
| 70 | T | Styrene | 1.059 | 1.195 | -12.8 | 84 | 0.00 |
| 71 | P | Bromoform | 0.306 | 0.321 | -4.9 | 89 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 73 | T | Isopropylbenzene | 3.425 | 3.110 | 9.2 | 79 | 0.00 |
| 74 | T | N-amyl acetate | 1.208 | 1.189 | 1.6 | 88 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.179 | 1.075 | 8.8 | 93 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.111 | 0.903 | 18.7 | 87 | 0.00 |
| 77 | T | Bromobenzene | 0.925 | 0.824 | 10.9 | 83 | 0.00 |
| 78 | T | n-propylbenzene | 3.923 | 3.817 | 2.7 | 82 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.621 | 2.368 | 9.7 | 83 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.790 | 2.743 | 1.7 | 82 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.381 | 0.425 | -11.5 | 98 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.598 | 2.432 | 6.4 | 84 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.346 | 2.168 | 7.6 | 77 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.761 | 2.807 | -1.7 | 83 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.315 | 3.133 | 5.5 | 78 | 0.00 |
| 86 | T | p-Isopropyltoluene | 2.665 | 2.634 | 1.2 | 79 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.734 | 1.565 | 9.7 | 88 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.777 | 1.541 | 13.3 | 86 | 0.00 |
| 89 | T | n-Butylbenzene | 2.354 | 2.117 | 10.1 | 76 | 0.00 |
| 90 | T | Hexachloroethane | 0.628 | 0.548 | 12.7 | 85 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.667 | 1.504 | 9.8 | 87 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.216 | 0.197 | 8.8 | 93 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.794 | 0.683 | 14.0 | 78 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.483 | 0.365 | 24.4 | 79 | 0.00 |
| 95 | T | Naphthalene | 2.181 | 2.019 | 7.4 | 79 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.798 | 0.688 | 13.8 | 80 | 0.00 |

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