Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101321\
Data File : VN068888.D
Acq On : 13 Oct 2021 10:46
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 14 06:39:59 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 13 05:44:40 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 | 98 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.546 | 0.553 | -1.3 | 90 | 0.00 |
| 3 | P | Chloromethane | 0.611 | 0.583 | 4.6 | 88 | 0.00 |
| 4 | C | Vinyl Chloride | 0.621 | 0.657 | -5.8# | 95 | 0.00 |
| 5 | T | Bromomethane | 0.341 | 0.408 | -19.6 | 104 | 0.00 |
| 6 | T | Chloroethane | 0.366 | 0.396 | -8.2 | 97 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.869 | 0.872 | -0.3 | 92 | 0.00 |
| 8 | T | Diethyl Ether | 0.324 | 0.306 | 5.6 | 87 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.467 | 0.482 | -3.2 | 95 | 0.00 |
| 10 | T | Methyl Iodide | 0.678 | 0.631 | 6.9 | 86 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.120 | 0.104 | 13.3 | 84 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.483 | 0.462 | 4.3# | 92 | 0.00 |
| 13 | T | Acrolein | 0.053 | 0.040 | 24.5 | 81 | 0.00 |
| 14 | T | Allyl chloride | 0.866 | 0.838 | 3.2 | 87 | 0.00 |
| 15 | T | Acrylonitrile | 0.270 | 0.252 | 6.7 | 84 | 0.00 |
| 16 | T | Acetone | 0.246 | 0.257 | -4.5 | 95 | 0.00 |
| 17 | T | Carbon Disulfide | 1.311 | 1.296 | 1.1 | 90 | 0.00 |
| 18 | T | Methyl Acetate | 0.933 | 0.862 | 7.6 | 85 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.799 | 1.761 | 2.1 | 88 | 0.00 |
| 20 | T | Methylene Chloride | 0.566 | 0.536 | 5.3 | 89 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.522 | 0.507 | 2.9 | 90 | 0.00 |
| 22 | T | Diisopropyl ether | 1.801 | 1.808 | -0.4 | 88 | 0.00 |
| 23 | T | Vinyl Acetate | 1.362 | 1.348 | 1.0 | 87 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.979 | 0.957 | 2.2 | 90 | 0.00 |
| 25 | T | 2-Butanone | 0.372 | 0.368 | 1.1 | 88 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.933 | 0.928 | 0.5 | 91 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.631 | 0.610 | 3.3 | 90 | 0.00 |
| 28 | T | Bromochloromethane | 0.443 | 0.393 | 11.3 | 86 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.241 | 0.230 | 4.6 | 84 | 0.00 |
| 30 | C | Chloroform | 1.031 | 1.038 | -0.7# | 91 | 0.00 |
| 31 | T | Cyclohexane | 1.025 | 0.945 | 7.8 | 90 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.961 | 0.955 | 0.6 | 91 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.659 | 0.576 | 12.6 | 92 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.291 | 0.271 | 6.9 | 95 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.427 | 0.454 | -6.3 | 92 | 0.00 |
| 37 | T | Ethyl Acetate | 0.441 | 0.429 | 2.7 | 84 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.469 | 0.493 | -5.1 | 91 | 0.00 |
| 39 | T | Methylcyclohexane | 0.550 | 0.604 | -9.8 | 94 | 0.00 |
| 40 | TM | Benzene | 1.300 | 1.364 | -4.9 | 90 | 0.00 |
| 41 | T | Methacrylonitrile | 0.222 | 0.228 | -2.7 | 87 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.461 | 0.480 | -4.1 | 89 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.778 | 0.795 | -2.2 | 86 | 0.00 |
| 44 | TM | Trichloroethene | 0.325 | 0.350 | -7.7 | 93 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.337 | 0.352 | -4.5# | 90 | 0.00 |
| 46 | T | Dibromomethane | 0.230 | 0.241 | -4.8 | 91 | 0.00 |
| 47 | T | Bromodichloromethane | 0.477 | 0.502 | -5.2 | 90 | 0.00 |
| 48 | T | Methyl methacrylate | 0.366 | 0.367 | -0.3 | 85 | 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 | 0.006 | 0.006 | 0.0 | 87 | 0.00 |
| 50 | S | Toluene-d8 | 1.164 | 1.102 | 5.3 | 94 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.451 | 0.456 | -1.1 | 85 | 0.00 |
| 52 | CM | Toluene | 0.837 | 0.912 | -9.0# | 92 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.541 | 0.576 | -6.5 | 91 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.563 | 0.595 | -5.7 | 90 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.330 | 0.349 | -5.8 | 92 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.554 | 0.579 | -4.5 | 90 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.544 | 0.578 | -6.2 | 90 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.134 | 0.139 | -3.7 | 89 | 0.00 |
| 59 | T | 2-Hexanone | 0.324 | 0.335 | -3.4 | 87 | 0.00 |
| 60 | T | Dibromochloromethane | 0.372 | 0.401 | -7.8 | 92 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.338 | 0.362 | -7.1 | 90 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.439 | 0.428 | 2.5 | 97 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 64 | T | Tetrachloroethene | 0.322 | 0.345 | -7.1 | 93 | 0.00 |
| 65 | PM | Chlorobenzene | 0.946 | 1.020 | -7.8 | 94 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.370 | 0.395 | -6.8 | 93 | 0.00 |
| 67 | C | Ethyl Benzene | 1.758 | 1.933 | -10.0# | 94 | 0.00 |
| 68 | T | m/p-Xylenes | 0.666 | 0.733 | -10.1 | 94 | 0.00 |
| 69 | T | o-Xylene | 0.667 | 0.727 | -9.0 | 94 | 0.00 |
| 70 | T | Styrene | 1.086 | 1.212 | -11.6 | 95 | 0.00 |
| 71 | P | Bromoform | 0.297 | 0.317 | -6.7 | 91 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 73 | T | Isopropylbenzene | 4.162 | 4.237 | -1.8 | 96 | 0.00 |
| 74 | T | N-amyl acetate | 1.577 | 1.555 | 1.4 | 90 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.203 | 1.158 | 3.7 | 90 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.064 | 0.947 | 11.0 | 78 | 0.00 |
| 77 | T | Bromobenzene | 0.920 | 0.931 | -1.2 | 94 | 0.00 |
| 78 | T | n-propylbenzene | 4.677 | 4.892 | -4.6 | 97 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.883 | 2.915 | -1.1 | 95 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.466 | 3.555 | -2.6 | 96 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.445 | 0.418 | 6.1 | 90 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.786 | 2.918 | -4.7 | 97 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.018 | 3.067 | -1.6 | 95 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.340 | 3.479 | -4.2 | 96 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.179 | 4.416 | -5.7 | 98 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.352 | 3.596 | -7.3 | 99 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.592 | 1.730 | -8.7 | 100 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.580 | 1.699 | -7.5 | 99 | 0.00 |
| 89 | T | n-Butylbenzene | 2.791 | 3.096 | -10.9 | 101 | 0.00 |
| 90 | T | Hexachloroethane | 0.704 | 0.711 | -1.0 | 95 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.546 | 1.658 | -7.2 | 98 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.232 | 0.225 | 3.0 | 88 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.686 | 0.813 | -18.5 | 101 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.440 | 0.487 | -10.7 | 101 | 0.00 |
| 95 | T | Naphthalene | 1.793 | 1.946 | -8.5 | 90 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.650 | 0.749 | -15.2 | 98 | 0.00 |

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