Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022421\
Data File : VN065992.D
Acq On : 24 Feb 2021 10:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 25 02:09:42 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 17 15:48:13 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 | 74 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.655 | 0.592 | 9.6 | 66 | 0.00 |
| 3 | P | Chloromethane | 0.820 | 0.671 | 18.2 | 58 | 0.00 |
| 4 | C | Vinyl Chloride | 0.808 | 0.698 | 13.6# | 62 | 0.00 |
| 5 | T | Bromomethane | 0.495 | 0.452 | 8.7 | 65 | 0.01 |
| 6 | T | Chloroethane | 0.456 | 0.382 | 16.2 | 61 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.006 | 0.973 | 3.3 | 70 | 0.00 |
| 8 | T | Diethyl Ether | 0.369 | 0.341 | 7.6 | 67 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.532 | 0.484 | 9.0 | 66 | 0.00 |
| 10 | T | Methyl Iodide | 0.831 | 0.702 | 15.5 | 61 | 0.01 |
| 11 | T | Tert butyl alcohol | 0.097 | 0.105 | -8.2 | 78 | -0.03 |
| 12 | CM | 1,1-Dichloroethene | 0.562 | 0.501 | 10.9# | 66 | 0.01 |
| 13 | T | Acrolein | 0.089 | 0.079 | 11.2 | 72 | 0.00 |
| 14 | T | Allyl chloride | 0.959 | 0.872 | 9.1 | 65 | 0.00 |
| 15 | T | Acrylonitrile | 0.270 | 0.253 | 6.3 | 65 | 0.00 |
| 16 | T | Acetone | 0.241 | 0.240 | 0.4 | 79 | 0.00 |
| 17 | T | Carbon Disulfide | 1.599 | 1.412 | 11.7 | 65 | 0.02 |
| 18 | T | Methyl Acetate | 0.578 | 0.544 | 5.9 | 68 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.807 | 1.843 | -2.0 | 74 | 0.00 |
| 20 | T | Methylene Chloride | 0.648 | 0.572 | 11.7 | 66 | 0.01 |
| 21 | T | trans-1,2-Dichloroethene | 0.590 | 0.569 | 3.6 | 70 | 0.00 |
| 22 | T | Diisopropyl ether | 1.918 | 1.711 | 10.8 | 64 | 0.00 |
| 23 | T | Vinyl Acetate | 1.504 | 1.428 | 5.1 | 65 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.108 | 1.027 | 7.3 | 67 | 0.00 |
| 25 | T | 2-Butanone | 0.346 | 0.329 | 4.9 | 66 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.869 | 0.992 | -14.2 | 80 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.672 | 0.660 | 1.8 | 70 | 0.00 |
| 28 | T | Bromochloromethane | 0.511 | 0.442 | 13.5 | 66 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.238 | 0.205 | 13.9 | 61 | 0.00 |
| 30 | C | Chloroform | 1.095 | 1.085 | 0.9# | 72 | 0.00 |
| 31 | T | Cyclohexane | 1.043 | 0.887 | 15.0 | 64 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.918 | 0.985 | -7.3 | 77 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.699 | 0.709 | -1.4 | 75 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 71 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.309 | 0.307 | 0.6 | 72 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.493 | 0.476 | 3.4 | 69 | 0.00 |
| 37 | T | Ethyl Acetate | 0.445 | 0.399 | 10.3 | 61 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.458 | 0.489 | -6.8 | 75 | 0.00 |
| 39 | T | Methylcyclohexane | 0.554 | 0.533 | 3.8 | 70 | 0.00 |
| 40 | TM | Benzene | 1.513 | 1.419 | 6.2 | 67 | 0.00 |
| 41 | T | Methacrylonitrile | 0.216 | 0.177 | 18.1 | 56 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.497 | 0.526 | -5.8 | 74 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.710 | 0.720 | -1.4 | 69 | 0.00 |
| 44 | TM | Trichloroethene | 0.374 | 0.386 | -3.2 | 73 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.387 | 0.368 | 4.9# | 65 | 0.00 |
| 46 | T | Dibromomethane | 0.236 | 0.240 | -1.7 | 69 | 0.00 |
| 47 | T | Bromodichloromethane | 0.480 | 0.526 | -9.6 | 73 | 0.00 |
| 48 | T | Methyl methacrylate | 0.360 | 0.343 | 4.7 | 64 | 0.00 |

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

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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 | 0.006 | 0.006 | 0.0 | 73 | 0.00 |
| 50 | S | Toluene-d8 | 1.270 | 1.214 | 4.4 | 69 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.432 | 0.396 | 8.3 | 62 | 0.00 |
| 52 | CM | Toluene | 0.929 | 0.919 | 1.1# | 68 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.532 | 0.626 | -17.7 | 78 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.596 | 0.644 | -8.1 | 74 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.348 | 0.346 | 0.6 | 69 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.523 | 0.528 | -1.0 | 67 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.613 | 0.597 | 2.6 | 67 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.250 | 0.213 | 14.8 | 59 | 0.00 |
| 59 | T | 2-Hexanone | 0.308 | 0.286 | 7.1 | 62 | 0.00 |
| 60 | T | Dibromochloromethane | 0.355 | 0.397 | -11.8 | 73 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.353 | 0.363 | -2.8 | 70 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.477 | 0.481 | -0.8 | 73 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 70 | 0.00 |
| 64 | T | Tetrachloroethene | 0.386 | 0.412 | -6.7 | 75 | 0.00 |
| 65 | PM | Chlorobenzene | 1.046 | 1.059 | -1.2 | 70 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.359 | 0.403 | -12.3 | 75 | 0.00 |
| 67 | C | Ethyl Benzene | 1.892 | 1.917 | -1.3# | 70 | 0.00 |
| 68 | T | m/p-Xylenes | 0.706 | 0.731 | -3.5 | 71 | 0.00 |
| 69 | T | o-Xylene | 0.681 | 0.708 | -4.0 | 70 | 0.00 |
| 70 | T | Styrene | 1.121 | 1.198 | -6.9 | 71 | 0.00 |
| 71 | P | Bromoform | 0.244 | 0.282 | -15.6 | 76 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 71 | 0.00 |
| 73 | T | Isopropylbenzene | 4.081 | 3.907 | 4.3 | 70 | 0.00 |
| 74 | T | N-amyl acetate | 1.416 | 1.271 | 10.2 | 60 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.204 | 1.066 | 11.5 | 65 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.201 | 1.148 | 4.4 | 71 | 0.00 |
| 77 | T | Bromobenzene | 0.934 | 0.928 | 0.6 | 72 | 0.00 |
| 78 | T | n-propylbenzene | 4.641 | 4.414 | 4.9 | 69 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.909 | 2.759 | 5.2 | 71 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.467 | 3.428 | 1.1 | 72 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.377 | 0.391 | -3.7 | 72 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.937 | 2.884 | 1.8 | 71 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.864 | 2.816 | 1.7 | 72 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.480 | 3.415 | 1.9 | 71 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.719 | 3.582 | 3.7 | 70 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.376 | 3.356 | 0.6 | 71 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.653 | 1.656 | -0.2 | 71 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.688 | 1.722 | -2.0 | 75 | 0.00 |
| 89 | T | n-Butylbenzene | 2.847 | 2.886 | -1.4 | 72 | 0.00 |
| 90 | T | Hexachloroethane | 0.572 | 0.482 | 15.7 | 61 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.657 | 1.655 | 0.1 | 71 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.209 | 0.253 | -21.1 | 75 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.729 | 0.990 | -35.8# | 81 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.385 | 0.402 | -4.4 | 73 | 0.00 |
| 95 | T | Naphthalene | 2.375 | 3.084 | -29.9# | 80 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.773 | 0.980 | -26.8# | 80 | 0.00 |

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