# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020824\
Data File : VN080951.D
Acq On : 08 Feb 2024 09:48
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 09 01:16:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020624W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 07 06:22:23 2024
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 | 104 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.566 | 0.480 | 15.2 | 83 | 0.00 |
| 3 | P | Chloromethane | 0.722 | 0.548 | 24.1 | 93 | 0.00 |
| 4 | C | Vinyl Chloride | 0.740 | 0.655 | 11.5# | 94 | 0.00 |
| 5 | T | Bromomethane | 0.476 | 0.419 | 12.0 | 98 | 0.00 |
| 6 | T | Chloroethane | 0.522 | 0.454 | 13.0 | 98 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.969 | 0.883 | 8.9 | 93 | 0.00 |
| 8 | T | Diethyl Ether | 0.346 | 0.302 | 12.7 | 90 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.545 | 0.489 | 10.3 | 92 | 0.00 |
| 10 | T | Methyl Iodide | 0.527 | 0.467 | 11.4 | 86 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.087 | 0.074 | 14.9 | 87 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.536 | 0.472 | 11.9# | 91 | 0.00 |
| 13 | T | Acrolein | 0.110 | 0.099 | 10.0 | 87 | 0.00 |
| 14 | T | Allyl chloride | 0.710 | 0.633 | 10.8 | 92 | 0.00 |
| 15 | T | Acrylonitrile | 0.238 | 0.219 | 8.0 | 92 | 0.00 |
| 16 | T | Acetone | 0.208 | 0.177 | 14.9 | 97 | 0.00 |
| 17 | T | Carbon Disulfide | 1.352 | 1.152 | 14.8 | 91 | 0.00 |
| 18 | T | Methyl Acetate | 0.791 | 0.573 | 27.6# | 95 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.786 | 1.639 | 8.2 | 91 | 0.00 |
| 20 | T | Methylene Chloride | 0.629 | 0.550 | 12.6 | 95 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.602 | 0.533 | 11.5 | 94 | 0.00 |
| 22 | T | Diisopropyl ether | 1.646 | 1.579 | 4.1 | 97 | 0.00 |
| 23 | T | Vinyl Acetate | 1.085 | 1.159 | -6.8 | 96 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.072 | 0.979 | 8.7 | 96 | 0.00 |
| 25 | T | 2-Butanone | 0.333 | 0.298 | 10.5 | 99 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.980 | 0.918 | 6.3 | 94 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.699 | 0.659 | 5.7 | 95 | 0.00 |
| 28 | T | Bromochloromethane | 0.446 | 0.411 | 7.8 | 94 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.204 | 0.180 | 11.8 | 92 | 0.00 |
| 30 | C | Chloroform | 1.185 | 1.106 | 6.7# | 97 | 0.00 |
| 31 | T | Cyclohexane | 0.862 | 0.704 | 18.3 | 89 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.027 | 0.973 | 5.3 | 93 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.631 | 0.623 | 1.3 | 92 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.268 | 0.302 | -12.7 | 99 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.399 | 0.434 | -8.8 | 96 | 0.00 |
| 37 | T | Ethyl Acetate | 0.302 | 0.312 | -3.3 | 89 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.409 | 0.463 | -13.2 | 96 | 0.00 |
| 39 | T | Methylcyclohexane | 0.445 | 0.403 | 9.4 | 76 | 0.00 |
| 40 | TM | Benzene | 1.215 | 1.311 | -7.9 | 86 | 0.00 |
| 41 | T | Methacrylonitrile | 0.180 | 0.190 | -5.6 | 95 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.423 | 0.451 | -6.6 | 90 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.555 | 0.596 | -7.4 | 87 | 0.00 |
| 44 | TM | Trichloroethene | 0.369 | 0.347 | 6.0 | 85 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.328 | 0.320 | 2.4# | 84 | 0.00 |
| 46 | T | Dibromomethane | 0.242 | 0.233 | 3.7 | 84 | 0.00 |
| 47 | T | Bromodichloromethane | 0.474 | 0.481 | -1.5 | 89 | 0.00 |
| 48 | T | Methyl methacrylate | 0.313 | 0.271 | 13.4 | 82 | 0.00 |

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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 | 0.006 | 0.005 | 16.7 | 80 | 0.00 |
| 50 | S | Toluene-d8 | 0.970 | 1.063 | -9.6 | 98 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.335 | 0.344 | -2.7 | 93 | 0.00 |
| 52 | CM | Toluene | 0.814 | 0.850 | -4.4# | 97 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.459 | 0.511 | -11.3 | 97 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.515 | 0.544 | -5.6 | 95 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.315 | 0.333 | -5.7 | 97 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.376 | 0.460 | -22.3 | 93 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.510 | 0.554 | -8.6 | 99 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.228 | 0.224 | 1.8 | 80 | 0.00 |
| 59 | T | 2-Hexanone | 0.254 | 0.268 | -5.5 | 97 | 0.00 |
| 60 | T | Dibromochloromethane | 0.321 | 0.363 | -13.1 | 95 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.314 | 0.337 | -7.3 | 96 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.353 | 0.388 | -9.9 | 98 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 64 | T | Tetrachloroethene | 0.377 | 0.318 | 15.6 | 93 | 0.00 |
| 65 | PM | Chlorobenzene | 1.048 | 0.980 | 6.5 | 98 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.378 | 0.368 | 2.6 | 98 | 0.00 |
| 67 | C | Ethyl Benzene | 1.805 | 1.716 | 4.9# | 97 | 0.00 |
| 68 | T | m/p-Xylenes | 0.686 | 0.664 | 3.2 | 97 | 0.00 |
| 69 | T | o-Xylene | 0.665 | 0.653 | 1.8 | 97 | 0.00 |
| 70 | T | Styrene | 0.999 | 1.108 | -10.9 | 99 | 0.00 |
| 71 | P | Bromoform | 0.253 | 0.257 | -1.6 | 96 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 73 | T | Isopropylbenzene | 3.889 | 3.652 | 6.1 | 95 | 0.00 |
| 74 | T | N-amyl acetate | 1.402 | 1.307 | 6.8 | 95 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.210 | 1.085 | 10.3 | 97 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.019 | 0.823 | 19.2 | 83 | 0.00 |
| 77 | T | Bromobenzene | 0.981 | 0.910 | 7.2 | 98 | 0.00 |
| 78 | T | n-propylbenzene | 4.390 | 4.234 | 3.6 | 97 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.774 | 2.589 | 6.7 | 97 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.161 | 3.001 | 5.1 | 95 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.375 | 0.396 | -5.6 | 95 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.768 | 2.659 | 3.9 | 97 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.694 | 2.574 | 4.5 | 97 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.148 | 3.083 | 2.1 | 97 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.620 | 3.516 | 2.9 | 95 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.060 | 2.941 | 3.9 | 94 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.747 | 1.640 | 6.1 | 97 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.773 | 1.656 | 6.6 | 99 | 0.00 |
| 89 | T | n-Butylbenzene | 2.703 | 2.555 | 5.5 | 96 | 0.00 |
| 90 | T | Hexachloroethane | 0.482 | 0.476 | 1.2 | 98 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.674 | 1.601 | 4.4 | 100 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.226 | 0.201 | 11.1 | 95 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.828 | 0.782 | 5.6 | 93 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.359 | 0.338 | 5.8 | 99 | 0.00 |
| 95 | T | Naphthalene | 2.734 | 2.635 | 3.6 | 91 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.815 | 0.756 | 7.2 | 92 | 0.00 |

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