Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051922\
Data File : VN072549.D
Acq On : 19 May 2022 11:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 20 06:50:07 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051822W.M
Quant Title : SW846 8260
QLast Update : Thu May 19 02:22:47 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 | 80 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.572 | 0.554 | 3.1 | 97 | 0.00 |
| 3 | P | Chloromethane | 0.517 | 0.474 | 8.3 | 97 | 0.00 |
| 4 | C | Vinyl Chloride | 0.422 | 0.474 | -12.3# | 115 | 0.00 |
| 5 | T | Bromomethane | 0.396 | 0.371 | 6.3 | 99 | 0.02 |
| 6 | T | Chloroethane | 0.481 | 0.338 | 29.7# | 88 | 0.08 |
| 7 | T | Trichlorofluoromethane | 0.975 | 1.041 | -6.8 | 111 | 0.06 |
| 8 | T | Diethyl Ether | 0.289 | 0.310 | -7.3 | 104 | 0.01 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.464 | 0.485 | -4.5 | 108 | 0.04 |
| 10 | T | Methyl Iodide | 0.593 | 0.679 | -14.5 | 104 | 0.02 |
| 11 | T | Tert butyl alcohol | 0.071 | 0.081 | -14.1 | 99 | -0.04 |
| 12 | CM | 1,1-Dichloroethene | 0.408 | 0.434 | -6.4# | 104 | 0.03 |
| 13 | T | Acrolein | 0.099 | 0.097 | 2.0 | 93 | 0.00 |
| 14 | T | Allyl chloride | 0.694 | 0.765 | -10.2 | 93 | 0.02 |
| 15 | T | Acrylonitrile | 0.274 | 0.276 | -0.7 | 86 | 0.00 |
| 16 | T | Acetone | 0.235 | 0.238 | -1.3 | 102 | -0.01 |
| 17 | T | Carbon Disulfide | 1.057 | 1.096 | -3.7 | 98 | 0.02 |
| 18 | T | Methyl Acetate | 0.722 | 0.653 | 9.6 | 89 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.685 | 1.858 | -10.3 | 96 | 0.00 |
| 20 | T | Methylene Chloride | 0.559 | 0.520 | 7.0 | 90 | 0.02 |
| 21 | T | trans-1,2-Dichloroethene | 0.457 | 0.480 | -5.0 | 91 | 0.01 |
| 22 | T | Diisopropyl ether | 1.528 | 1.630 | -6.7 | 92 | 0.00 |
| 23 | T | Vinyl Acetate | 1.321 | 1.451 | -9.8 | 92 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.929 | 0.980 | -5.5 | 95 | 0.00 |
| 25 | T | 2-Butanone | 0.370 | 0.364 | 1.6 | 89 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.862 | 0.924 | -7.2 | 100 | 0.01 |
| 27 | T | cis-1,2-Dichloroethene | 0.563 | 0.580 | -3.0 | 96 | 0.00 |
| 28 | T | Bromochloromethane | 0.380 | 0.382 | -0.5 | 87 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.224 | 0.236 | -5.4 | 86 | 0.00 |
| 30 | C | Chloroform | 1.064 | 1.106 | -3.9# | 97 | 0.00 |
| 31 | T | Cyclohexane | 0.863 | 0.839 | 2.8 | 91 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.982 | 1.080 | -10.0 | 98 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.777 | 0.783 | -0.8 | 91 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 77 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.337 | 0.358 | -6.2 | 86 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.459 | 0.504 | -9.8 | 93 | 0.00 |
| 37 | T | Ethyl Acetate | 0.505 | 0.516 | -2.2 | 95 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.568 | 0.642 | -13.0 | 102 | 0.00 |
| 39 | T | Methylcyclohexane | 0.536 | 0.584 | -9.0 | 94 | 0.00 |
| 40 | TM | Benzene | 1.342 | 1.440 | -7.3 | 92 | 0.00 |
| 41 | T | Methacrylonitrile | 0.242 | 0.295 | -21.9 | 97 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.623 | 0.674 | -8.2 | 99 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.812 | 0.867 | -6.8 | 89 | 0.00 |
| 44 | TM | Trichloroethene | 0.365 | 0.398 | -9.0 | 99 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.330 | 0.356 | -7.9# | 96 | 0.00 |
| 46 | T | Dibromomethane | 0.249 | 0.278 | -11.6 | 98 | 0.00 |
| 47 | T | Bromodichloromethane | 0.520 | 0.592 | -13.8 | 95 | 0.00 |
| 48 | T | Methyl methacrylate | 0.386 | 0.435 | -12.7 | 95 | 0.00 |

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Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 20 06:50:07 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051822W.M
Quant Title : SW846 8260
QLast Update : Thu May 19 02:22:47 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 | 0.003 | 0.005 | -66.7# | 113 | 0.00 |
| 50 | S | Toluene-d8 | 1.277 | 1.315 | -3.0 | 83 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.536 | 0.525 | 2.1 | 78 | 0.00 |
| 52 | CM | Toluene | 0.870 | 0.951 | -9.3# | 86 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.558 | 0.619 | -10.9 | 88 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.551 | 0.638 | -15.8 | 92 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.378 | 0.384 | -1.6 | 82 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.566 | 0.588 | -3.9 | 77 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.638 | 0.657 | -3.0 | 84 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.138 | 0.144 | -4.3 | 75 | 0.00 |
| 59 | T | 2-Hexanone | 0.372 | 0.368 | 1.1 | 77 | 0.00 |
| 60 | T | Dibromochloromethane | 0.432 | 0.467 | -8.1 | 87 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.392 | 0.404 | -3.1 | 82 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.485 | 0.489 | -0.8 | 79 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 70 | 0.00 |
| 64 | T | Tetrachloroethene | 0.347 | 0.402 | -15.9 | 93 | 0.00 |
| 65 | PM | Chlorobenzene | 1.025 | 1.088 | -6.1 | 80 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.411 | 0.470 | -14.4 | 88 | 0.00 |
| 67 | C | Ethyl Benzene | 1.773 | 2.063 | -16.4# | 85 | 0.00 |
| 68 | T | m/p-Xylenes | 0.683 | 0.781 | -14.3 | 82 | 0.00 |
| 69 | T | o-Xylene | 0.696 | 0.758 | -8.9 | 79 | 0.00 |
| 70 | T | Styrene | 1.071 | 1.248 | -16.5 | 79 | 0.00 |
| 71 | P | Bromoform | 0.317 | 0.371 | -17.0 | 90 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 79 | 0.00 |
| 73 | T | Isopropylbenzene | 4.134 | 4.485 | -8.5 | 89 | 0.00 |
| 74 | T | N-amyl acetate | 1.377 | 1.362 | 1.1 | 86 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.252 | 1.251 | 0.1 | 96 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.510 | 1.332 | 11.8 | 72 | 0.00 |
| 77 | T | Bromobenzene | 1.059 | 1.050 | 0.8 | 91 | 0.00 |
| 78 | T | n-propylbenzene | 4.521 | 5.047 | -11.6 | 89 | 0.00 |
| 79 | T | 2-Chlorotoluene | 3.029 | 3.155 | -4.2 | 85 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.585 | 3.905 | -8.9 | 86 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.362 | 0.400 | -10.5 | 91 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.821 | 3.032 | -7.5 | 89 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.045 | 3.433 | -12.7 | 95 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.439 | 3.786 | -10.1 | 93 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.954 | 4.517 | -14.2 | 95 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.252 | 3.851 | -18.4 | 96 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.734 | 1.862 | -7.4 | 95 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.687 | 1.834 | -8.7 | 94 | 0.00 |
| 89 | T | n-Butylbenzene | 2.462 | 2.799 | -13.7 | 88 | 0.00 |
| 90 | T | Hexachloroethane | 0.582 | 0.630 | -8.2 | 88 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.740 | 1.833 | -5.3 | 90 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.265 | 0.288 | -8.7 | 83 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.760 | 0.815 | -7.2 | 78 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.477 | 0.507 | -6.3 | 87 | 0.00 |
| 95 | T | Naphthalene | 2.203 | 2.316 | -5.1 | 73 | 0.00 |

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**LabSampleId :**
VSTDCCC050

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051822W.M
Quant Title : SW846 8260
QLast Update : Thu May 19 02:22:47 2022
Response via : Initial Calibration

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

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.784 | 0.813 | -3.7 | 77 | 0.00 |

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