Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112222\
Data File : VN075356.D
Acq On : 22 Nov 2022 10:19
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 23 07:03:35 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 23 00:18:03 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 | 99 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.382 | 0.360 | 5.8 | 94 | 0.00 |
| 3 | P | Chloromethane | 0.476 | 0.423 | 11.1 | 95 | 0.00 |
| 4 | C | Vinyl Chloride | 0.600 | 0.579 | 3.5# | 99 | 0.00 |
| 5 | T | Bromomethane | 0.527 | 0.527 | 0.0 | 95 | 0.00 |
| 6 | T | Chloroethane | 0.454 | 0.431 | 5.1 | 101 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.857 | 0.813 | 5.1 | 97 | 0.00 |
| 8 | T | Diethyl Ether | 0.300 | 0.297 | 1.0 | 94 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.473 | 0.469 | 0.8 | 100 | 0.00 |
| 10 | T | Methyl Iodide | 0.766 | 0.750 | 2.1 | 97 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.113 | 0.095 | 15.9 | 92 | -0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.463 | 0.455 | 1.7# | 99 | 0.00 |
| 13 | T | Acrolein | 0.098 | 0.091 | 7.1 | 96 | 0.00 |
| 14 | T | Allyl chloride | 0.599 | 0.549 | 8.3 | 99 | 0.00 |
| 15 | T | Acrylonitrile | 0.258 | 0.243 | 5.8 | 95 | 0.00 |
| 16 | T | Acetone | 0.250 | 0.239 | 4.4 | 102 | 0.00 |
| 17 | T | Carbon Disulfide | 1.203 | 1.151 | 4.3 | 96 | 0.00 |
| 18 | T | Methyl Acetate | 0.741 | 0.613 | 17.3 | 95 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.640 | 1.589 | 3.1 | 99 | 0.00 |
| 20 | T | Methylene Chloride | 0.587 | 0.519 | 11.6 | 99 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.528 | 0.506 | 4.2 | 99 | 0.00 |
| 22 | T | Diisopropyl ether | 1.367 | 1.373 | -0.4 | 100 | 0.00 |
| 23 | T | Vinyl Acetate | 1.087 | 0.973 | 10.5 | 86 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.877 | 0.869 | 0.9 | 98 | 0.00 |
| 25 | T | 2-Butanone | 0.350 | 0.331 | 5.4 | 99 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.815 | 0.791 | 2.9 | 97 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.597 | 0.604 | -1.2 | 98 | 0.00 |
| 28 | T | Bromochloromethane | 0.356 | 0.364 | -2.2 | 104 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.213 | 0.204 | 4.2 | 96 | 0.00 |
| 30 | C | Chloroform | 1.007 | 0.959 | 4.8# | 98 | 0.00 |
| 31 | T | Cyclohexane | 0.853 | 0.777 | 8.9 | 97 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.915 | 0.889 | 2.8 | 97 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.268 | 0.266 | 0.7 | 100 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.196 | 0.199 | -1.5 | 97 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.428 | 0.433 | -1.2 | 100 | 0.00 |
| 37 | T | Ethyl Acetate | 0.386 | 0.380 | 1.6 | 94 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.471 | 0.480 | -1.9 | 98 | 0.00 |
| 39 | T | Methylcyclohexane | 0.536 | 0.564 | -5.2 | 102 | 0.00 |
| 40 | TM | Benzene | 1.311 | 1.289 | 1.7 | 98 | 0.00 |
| 41 | T | Methacrylonitrile | 0.197 | 0.188 | 4.6 | 96 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.439 | 0.429 | 2.3 | 98 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.619 | 0.620 | -0.2 | 97 | 0.00 |
| 44 | TM | Trichloroethene | 0.359 | 0.355 | 1.1 | 99 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.313 | 0.308 | 1.6# | 98 | 0.00 |
| 46 | T | Dibromomethane | 0.236 | 0.233 | 1.3 | 98 | 0.00 |
| 47 | T | Bromodichloromethane | 0.458 | 0.460 | -0.4 | 98 | 0.00 |
| 48 | T | Methyl methacrylate | 0.286 | 0.283 | 1.0 | 96 | 0.00 |

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ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 23 07:03:35 2022
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Quant Title : SW846 8260
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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 | 0.008 | 0.008 | 0.0 | 90 | 0.00 |
| 50 | S | Toluene-d8 | 0.442 | 0.456 | -3.2 | 97 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.394 | 0.390 | 1.0 | 97 | 0.00 |
| 52 | CM | Toluene | 0.845 | 0.870 | -3.0# | 99 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.460 | 0.496 | -7.8 | 98 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.499 | 0.529 | -6.0 | 99 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.344 | 0.337 | 2.0 | 99 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.465 | 0.496 | -6.7 | 97 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.561 | 0.555 | 1.1 | 98 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.168 | 0.180 | -7.1 | 96 | 0.00 |
| 59 | T | 2-Hexanone | 0.296 | 0.296 | 0.0 | 96 | 0.00 |
| 60 | T | Dibromochloromethane | 0.353 | 0.388 | -9.9 | 98 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.357 | 0.358 | -0.3 | 97 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.327 | 0.353 | -8.0 | 100 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 64 | T | Tetrachloroethene | 0.382 | 0.356 | 6.8 | 99 | 0.00 |
| 65 | PM | Chlorobenzene | 1.033 | 1.004 | 2.8 | 97 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.385 | 0.378 | 1.8 | 96 | 0.00 |
| 67 | C | Ethyl Benzene | 1.762 | 1.824 | -3.5# | 99 | 0.00 |
| 68 | T | m/p-Xylenes | 0.715 | 0.737 | -3.1 | 100 | 0.00 |
| 69 | T | o-Xylene | 0.711 | 0.711 | 0.0 | 100 | 0.00 |
| 70 | T | Styrene | 1.121 | 1.176 | -4.9 | 99 | 0.00 |
| 71 | P | Bromoform | 0.293 | 0.316 | -7.8 | 98 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 73 | T | Isopropylbenzene | 3.653 | 3.616 | 1.0 | 100 | 0.00 |
| 74 | T | N-amyl acetate | 1.123 | 1.123 | 0.0 | 96 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.114 | 1.050 | 5.7 | 99 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.945 | 0.886 | 6.2 | 99 | 0.00 |
| 77 | T | Bromobenzene | 0.902 | 0.858 | 4.9 | 97 | 0.00 |
| 78 | T | n-propylbenzene | 4.077 | 4.219 | -3.5 | 101 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.456 | 2.446 | 0.4 | 101 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.035 | 3.096 | -2.0 | 99 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.320 | 0.325 | -1.6 | 96 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.456 | 2.446 | 0.4 | 101 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.767 | 2.758 | 0.3 | 99 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.044 | 3.143 | -3.3 | 100 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.755 | 3.934 | -4.8 | 100 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.159 | 3.397 | -7.5 | 101 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.709 | 1.696 | 0.8 | 99 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.736 | 1.693 | 2.5 | 100 | 0.00 |
| 89 | T | n-Butylbenzene | 2.668 | 2.839 | -6.4 | 101 | 0.00 |
| 90 | T | Hexachloroethane | 0.545 | 0.558 | -2.4 | 95 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.666 | 1.640 | 1.6 | 96 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.211 | 0.208 | 1.4 | 93 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.854 | 0.918 | -7.5 | 97 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.445 | 0.466 | -4.7 | 97 | 0.00 |
| 95 | T | Naphthalene | 2.685 | 2.734 | -1.8 | 93 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.839 | 0.860 | -2.5 | 96 | 0.00 |

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