# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081822\
Data File : VN074016.D
Acq On : 18 Aug 2022 19:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Aug 19 00:04:52 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 16 00:45:21 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 | 95 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.396 | 0.387 | 2.3 | 92 | 0.00 |
| 3 | P | Chloromethane | 0.441 | 0.453 | -2.7 | 101 | 0.00 |
| 4 | C | Vinyl Chloride | 0.566 | 0.556 | 1.8# | 94 | 0.00 |
| 5 | T | Bromomethane | 0.353 | 0.317 | 10.2 | 88 | 0.00 |
| 6 | T | Chloroethane | 0.400 | 0.360 | 10.0 | 91 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.730 | 0.783 | -7.3 | 105 | 0.00 |
| 8 | T | Diethyl Ether | 0.271 | 0.284 | -4.8 | 102 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.424 | 0.391 | 7.8 | 92 | 0.00 |
| 10 | T | Methyl Iodide | 0.509 | 0.402 | 21.0 | 67 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.109 | 0.131 | -20.2 | 112 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.395 | 0.393 | 0.5# | 97 | 0.00 |
| 13 | T | Acrolein | 0.076 | 0.091 | -19.7 | 112 | 0.00 |
| 14 | T | Allyl chloride | 0.584 | 0.625 | -7.0 | 105 | 0.00 |
| 15 | T | Acrylonitrile | 0.266 | 0.313 | -17.7 | 111 | 0.00 |
| 16 | T | Acetone | 0.230 | 0.266 | -15.7 | 116 | 0.00 |
| 17 | T | Carbon Disulfide | 0.938 | 0.896 | 4.5 | 92 | 0.00 |
| 18 | T | Methyl Acetate | 0.746 | 0.758 | -1.6 | 119 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.421 | 1.512 | -6.4 | 102 | 0.00 |
| 20 | T | Methylene Chloride | 0.485 | 0.476 | 1.9 | 101 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.435 | 0.415 | 4.6 | 94 | 0.00 |
| 22 | T | Diisopropyl ether | 1.239 | 1.381 | -11.5 | 106 | 0.00 |
| 23 | T | Vinyl Acetate | 1.062 | 1.204 | -13.4 | 105 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.771 | 0.812 | -5.3 | 103 | 0.00 |
| 25 | T | 2-Butanone | 0.364 | 0.435 | -19.5 | 114 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.725 | 0.569 | 21.5 | 80 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.536 | 0.532 | 0.7 | 99 | 0.00 |
| 28 | T | Bromochloromethane | 0.284 | 0.310 | -9.2 | 106 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.234 | 0.281 | -20.1 | 113 | 0.00 |
| 30 | C | Chloroform | 0.862 | 0.873 | -1.3# | 99 | 0.00 |
| 31 | T | Cyclohexane | 0.679 | 0.660 | 2.8 | 97 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.765 | 0.772 | -0.9 | 97 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.487 | 0.519 | -6.6 | 97 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.296 | 0.294 | 0.7 | 96 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.411 | 0.381 | 7.3 | 98 | 0.00 |
| 37 | T | Ethyl Acetate | 0.498 | 0.525 | -5.4 | 112 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.469 | 0.429 | 8.5 | 95 | 0.00 |
| 39 | T | Methylcyclohexane | 0.515 | 0.464 | 9.9 | 92 | 0.00 |
| 40 | TM | Benzene | 1.296 | 1.223 | 5.6 | 100 | 0.00 |
| 41 | T | Methacrylonitrile | 0.225 | 0.248 | -10.2 | 105 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.446 | 0.428 | 4.0 | 100 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.709 | 0.737 | -3.9 | 106 | 0.00 |
| 44 | TM | Trichloroethene | 0.374 | 0.333 | 11.0 | 94 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.311 | 0.313 | -0.6# | 105 | 0.00 |
| 46 | T | Dibromomethane | 0.236 | 0.224 | 5.1 | 99 | 0.00 |
| 47 | T | Bromodichloromethane | 0.451 | 0.444 | 1.6 | 102 | 0.00 |
| 48 | T | Methyl methacrylate | 0.303 | 0.329 | -8.6 | 107 | 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 | 0.009 | 0.010 | -11.1 | 108 | 0.00 |
| 50 | S | Toluene-d8 | 1.145 | 1.132 | 1.1 | 94 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.479 | 0.529 | -10.4 | 111 | 0.00 |
| 52 | CM | Toluene | 0.889 | 0.804 | 9.6# | 98 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.474 | 0.465 | 1.9 | 96 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.518 | 0.498 | 3.9 | 97 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.346 | 0.341 | 1.4 | 101 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.493 | 0.549 | -11.4 | 105 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.562 | 0.565 | -0.5 | 104 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.230 | 0.254 | -10.4 | 105 | 0.00 |
| 59 | T | 2-Hexanone | 0.369 | 0.423 | -14.6 | 111 | 0.00 |
| 60 | T | Dibromochloromethane | 0.382 | 0.378 | 1.0 | 99 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.370 | 0.362 | 2.2 | 98 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.380 | 0.395 | -3.9 | 96 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 64 | T | Tetrachloroethene | 0.395 | 0.331 | 16.2 | 91 | 0.00 |
| 65 | PM | Chlorobenzene | 1.063 | 0.991 | 6.8 | 98 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.402 | 0.392 | 2.5 | 100 | 0.00 |
| 67 | C | Ethyl Benzene | 1.767 | 1.712 | 3.1# | 99 | 0.00 |
| 68 | T | m/p-Xylenes | 0.718 | 0.677 | 5.7 | 97 | 0.00 |
| 69 | T | o-Xylene | 0.720 | 0.682 | 5.3 | 97 | 0.00 |
| 70 | T | Styrene | 1.127 | 1.118 | 0.8 | 98 | 0.00 |
| 71 | P | Bromoform | 0.359 | 0.348 | 3.1 | 96 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 73 | T | Isopropylbenzene | 3.641 | 3.470 | 4.7 | 97 | 0.00 |
| 74 | T | N-amyl acetate | 1.376 | 1.371 | 0.4 | 104 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.222 | 1.217 | 0.4 | 106 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.039 | 0.904 | 13.0 | 78 | 0.00 |
| 77 | T | Bromobenzene | 0.985 | 0.900 | 8.6 | 94 | 0.00 |
| 78 | T | n-propylbenzene | 3.881 | 3.825 | 1.4 | 97 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.419 | 2.346 | 3.0 | 99 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.961 | 2.905 | 1.9 | 98 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.365 | 0.362 | 0.8 | 92 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.297 | 2.260 | 1.6 | 98 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.725 | 2.628 | 3.6 | 97 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.957 | 2.921 | 1.2 | 97 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.532 | 3.585 | -1.5 | 97 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.009 | 3.067 | -1.9 | 95 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.709 | 1.604 | 6.1 | 95 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.732 | 1.583 | 8.6 | 95 | 0.00 |
| 89 | T | n-Butylbenzene | 2.384 | 2.334 | 2.1 | 95 | 0.00 |
| 90 | T | Hexachloroethane | 0.550 | 0.536 | 2.5 | 98 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.765 | 1.661 | 5.9 | 98 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.288 | 0.294 | -2.1 | 105 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.074 | 1.024 | 4.7 | 93 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.566 | 0.505 | 10.8 | 92 | 0.00 |
| 95 | T | Naphthalene | 3.502 | 3.581 | -2.3 | 98 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 1.110 | 1.056 | 4.9 | 94 | 0.00 |

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