Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042821\
Data File : VN066828.D
Acq On : 28 Apr 2021 21:52
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 31 Sample Multiplier: 1

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

Quant Time: Apr 29 04:32:39 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042721W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 27 16:02:50 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 | 88 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.542 | 0.512 | 5.5 | 80 | 0.00 |
| 3 | P | Chloromethane | 0.711 | 0.703 | 1.1 | 89 | 0.00 |
| 4 | C | Vinyl Chloride | 0.695 | 0.700 | -0.7# | 86 | 0.00 |
| 5 | T | Bromomethane | 0.453 | 0.437 | 3.5 | 84 | 0.00 |
| 6 | T | Chloroethane | 0.432 | 0.407 | 5.8 | 81 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.835 | 0.814 | 2.5 | 85 | 0.00 |
| 8 | T | Diethyl Ether | 0.339 | 0.338 | 0.3 | 84 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.494 | 0.478 | 3.2 | 84 | 0.00 |
| 10 | T | Methyl Iodide | 0.755 | 0.768 | -1.7 | 86 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.099 | 0.097 | 2.0 | 85 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.500 | 0.490 | 2.0# | 83 | 0.00 |
| 13 | T | Acrolein | 0.083 | 0.078 | 6.0 | 82 | 0.00 |
| 14 | T | Allyl chloride | 0.940 | 0.832 | 11.5 | 75 | 0.00 |
| 15 | T | Acrylonitrile | 0.263 | 0.284 | -8.0 | 86 | 0.00 |
| 16 | T | Acetone | 0.242 | 0.211 | 12.8 | 78 | 0.00 |
| 17 | T | Carbon Disulfide | 1.535 | 1.469 | 4.3 | 82 | 0.00 |
| 18 | T | Methyl Acetate | 0.724 | 0.616 | 14.9 | 83 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.714 | 1.641 | 4.3 | 80 | 0.00 |
| 20 | T | Methylene Chloride | 0.614 | 0.611 | 0.5 | 88 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.538 | 0.546 | -1.5 | 85 | 0.00 |
| 22 | T | Diisopropyl ether | 1.875 | 1.730 | 7.7 | 77 | 0.00 |
| 23 | T | Vinyl Acetate | 1.560 | 1.442 | 7.6 | 74 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.039 | 1.007 | 3.1 | 82 | 0.00 |
| 25 | T | 2-Butanone | 0.341 | 0.338 | 0.9 | 81 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.882 | 0.684 | 22.4 | 67 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.623 | 0.628 | -0.8 | 84 | 0.00 |
| 28 | T | Bromochloromethane | 0.477 | 0.431 | 9.6 | 79 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.233 | 0.231 | 0.9 | 80 | 0.00 |
| 30 | C | Chloroform | 1.008 | 0.988 | 2.0# | 83 | 0.00 |
| 31 | T | Cyclohexane | 0.993 | 0.873 | 12.1 | 78 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.862 | 0.830 | 3.7 | 82 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.642 | 0.554 | 13.7 | 77 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.309 | 0.320 | -3.6 | 87 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.465 | 0.467 | -0.4 | 80 | 0.00 |
| 37 | T | Ethyl Acetate | 0.493 | 0.478 | 3.0 | 78 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.446 | 0.463 | -3.8 | 83 | 0.00 |
| 39 | T | Methylcyclohexane | 0.550 | 0.555 | -0.9 | 79 | 0.00 |
| 40 | TM | Benzene | 1.442 | 1.529 | -6.0 | 84 | 0.00 |
| 41 | T | Methacrylonitrile | 0.224 | 0.206 | 8.0 | 68 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.487 | 0.464 | 4.7 | 76 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.784 | 0.756 | 3.6 | 75 | 0.00 |
| 44 | TM | Trichloroethene | 0.351 | 0.383 | -9.1 | 87 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.385 | 0.405 | -5.2# | 84 | 0.00 |
| 46 | T | Dibromomethane | 0.235 | 0.255 | -8.5 | 85 | 0.00 |
| 47 | T | Bromodichloromethane | 0.493 | 0.516 | -4.7 | 83 | 0.00 |
| 48 | T | Methyl methacrylate | 0.342 | 0.350 | -2.3 | 76 | 0.00 |

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**Instrument :** 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 | 0.005 | 0.007 | -40.0# | 100 | 0.00 |
| 50 | S | Toluene-d8 | 1.211 | 1.233 | -1.8 | 87 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.426 | 0.461 | -8.2 | 80 | 0.00 |
| 52 | CM | Toluene | 0.867 | 0.948 | -9.3# | 86 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.527 | 0.549 | -4.2 | 79 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.591 | 0.617 | -4.4 | 81 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.333 | 0.381 | -14.4 | 89 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.453 | 0.530 | -17.0 | 83 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.570 | 0.623 | -9.3 | 85 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.102 | 0.122 | -19.6 | 87 | 0.00 |
| 59 | T | 2-Hexanone | 0.253 | 0.314 | -24.1 | 82 | 0.00 |
| 60 | T | Dibromochloromethane | 0.363 | 0.419 | -15.4 | 88 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.334 | 0.392 | -17.4 | 89 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.410 | 0.453 | -10.5 | 90 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 64 | T | Tetrachloroethene | 0.331 | 0.352 | -6.3 | 91 | 0.00 |
| 65 | PM | Chlorobenzene | 1.006 | 1.063 | -5.7 | 88 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.375 | 0.404 | -7.7 | 89 | 0.00 |
| 67 | C | Ethyl Benzene | 1.764 | 1.855 | -5.2# | 85 | 0.00 |
| 68 | T | m/p-Xylenes | 0.647 | 0.724 | -11.9 | 88 | 0.00 |
| 69 | T | o-Xylene | 0.646 | 0.703 | -8.8 | 88 | 0.00 |
| 70 | T | Styrene | 0.976 | 1.159 | -18.8 | 89 | 0.00 |
| 71 | P | Bromoform | 0.272 | 0.334 | -22.8 | 94 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 73 | T | Isopropylbenzene | 3.665 | 3.686 | -0.6 | 87 | 0.00 |
| 74 | T | N-amyl acetate | 0.866 | 0.694 | 19.9 | 61 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.206 | 1.261 | -4.6 | 93 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.054 | 0.957 | 9.2 | 76 | 0.00 |
| 77 | T | Bromobenzene | 0.904 | 0.988 | -9.3 | 95 | 0.00 |
| 78 | T | n-propylbenzene | 4.042 | 4.197 | -3.8 | 87 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.571 | 2.558 | 0.5 | 89 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.094 | 3.162 | -2.2 | 89 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.314 | 0.337 | -7.3 | 84 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.481 | 2.596 | -4.6 | 90 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.651 | 2.709 | -2.2 | 91 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.914 | 3.065 | -5.2 | 89 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.438 | 3.583 | -4.2 | 89 | 0.00 |
| 86 | T | p-Isopropyltoluene | 2.951 | 3.154 | -6.9 | 90 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.537 | 1.676 | -9.0 | 94 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.634 | 1.687 | -3.2 | 97 | 0.00 |
| 89 | T | n-Butylbenzene | 2.515 | 2.432 | 3.3 | 82 | 0.00 |
| 90 | T | Hexachloroethane | 0.618 | 0.639 | -3.4 | 94 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.558 | 1.672 | -7.3 | 96 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.216 | 0.204 | 5.6 | 89 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.863 | 0.949 | -10.0 | 93 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.479 | 0.517 | -7.9 | 100 | 0.00 |
| 95 | T | Naphthalene | 2.221 | 2.374 | -6.9 | 91 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.834 | 0.910 | -9.1 | 96 | 0.00 |

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