Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060421\
Data File : VX022427.D
Acq On : 04 Jun 2021 20:56
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** MSVOA_X
**LabSampleId :** VSTDCCC050

Quant Time: Jun 05 03:23:51 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
Quant Title : SW846 8260
QLast Update : Wed May 19 14:23:10 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 | 0.608 | 0.593 | 2.5 | 83 | 0.00 |
| 3 | P | Chloromethane | 0.656 | 0.672 | -2.4 | 88 | 0.00 |
| 4 | C | Vinyl Chloride | 0.694 | 0.722 | -4.0# | 88 | 0.00 |
| 5 | T | Bromomethane | 0.404 | 0.400 | 1.0 | 92 | -0.01 |
| 6 | T | Chloroethane | 0.413 | 0.431 | -4.4 | 87 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.998 | 1.030 | -3.2 | 89 | 0.00 |
| 8 | T | Diethyl Ether | 0.429 | 0.429 | 0.0 | 89 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.592 | 0.588 | 0.7 | 87 | 0.00 |
| 10 | T | Methyl Iodide | 0.637 | 0.682 | -7.1 | 90 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.176 | 0.184 | -4.5 | 94 | -0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.573 | 0.605 | -5.6# | 91 | 0.00 |
| 13 | T | Acrolein | 0.117 | 0.105 | 10.3 | 85 | 0.00 |
| 14 | T | Allyl chloride | 1.053 | 1.132 | -7.5 | 93 | 0.00 |
| 15 | T | Acrylonitrile | 0.347 | 0.403 | -16.1 | 100 | 0.00 |
| 16 | T | Acetone | 0.336 | 0.362 | -7.7 | 99 | 0.00 |
| 17 | T | Carbon Disulfide | 1.501 | 1.508 | -0.5 | 92 | 0.00 |
| 18 | T | Methyl Acetate | 0.893 | 1.026 | -14.9 | 103 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.963 | 2.123 | -8.2 | 93 | 0.00 |
| 20 | T | Methylene Chloride | 0.746 | 0.738 | 1.1 | 93 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.623 | 0.691 | -10.9 | 94 | 0.00 |
| 22 | T | Diisopropyl ether | 2.027 | 2.275 | -12.2 | 98 | 0.00 |
| 23 | T | Vinyl Acetate | 1.952 | 2.211 | -13.3 | 97 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.190 | 1.295 | -8.8 | 94 | 0.00 |
| 25 | T | 2-Butanone | 0.543 | 0.635 | -16.9 | 101 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.056 | 0.858 | 18.8 | 71 | 0.01 |
| 27 | T | cis-1,2-Dichloroethene | 0.758 | 0.806 | -6.3 | 90 | 0.00 |
| 28 | T | Bromochloromethane | 0.577 | 0.576 | 0.2 | 90 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.323 | 0.374 | -15.8 | 102 | 0.00 |
| 30 | C | Chloroform | 1.229 | 1.304 | -6.1# | 92 | 0.00 |
| 31 | T | Cyclohexane | 0.969 | 1.062 | -9.6 | 97 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.050 | 1.076 | -2.5 | 88 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.771 | 0.803 | -4.2 | 100 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.317 | 0.300 | 5.4 | 94 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.462 | 0.483 | -4.5 | 94 | 0.00 |
| 37 | T | Ethyl Acetate | 0.567 | 0.612 | -7.9 | 102 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.452 | 0.429 | 5.1 | 82 | 0.00 |
| 39 | T | Methylcyclohexane | 0.524 | 0.505 | 3.6 | 90 | 0.00 |
| 40 | TM | Benzene | 1.423 | 1.473 | -3.5 | 94 | 0.00 |
| 41 | T | Methacrylonitrile | 0.303 | 0.334 | -10.2 | 102 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.498 | 0.527 | -5.8 | 96 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.927 | 1.017 | -9.7 | 101 | 0.00 |
| 44 | TM | Trichloroethene | 0.354 | 0.349 | 1.4 | 90 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.363 | 0.389 | -7.2# | 93 | 0.00 |
| 46 | T | Dibromomethane | 0.246 | 0.254 | -3.3 | 91 | 0.00 |
| 47 | T | Bromodichloromethane | 0.493 | 0.477 | 3.2 | 85 | 0.00 |
| 48 | T | Methyl methacrylate | 0.427 | 0.470 | -10.1 | 100 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.008 | 0.008 | 0.0 | 90 | -0.02 |
| 50 | S | Toluene-d8 | 1.221 | 1.156 | 5.3 | 95 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.555 | 0.631 | -13.7 | 101 | 0.00 |
| 52 | CM | Toluene | 0.901 | 0.908 | -0.8# | 91 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.569 | 0.550 | 3.3 | 86 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.611 | 0.606 | 0.8 | 89 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.366 | 0.364 | 0.5 | 90 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.591 | 0.628 | -6.3 | 93 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.624 | 0.654 | -4.8 | 95 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.320 | 0.306 | 4.4 | 89 | 0.00 |
| 59 | T | 2-Hexanone | 0.418 | 0.479 | -14.6 | 101 | 0.00 |
| 60 | T | Dibromochloromethane | 0.356 | 0.334 | 6.2 | 81 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.364 | 0.383 | -5.2 | 92 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.451 | 0.443 | 1.8 | 98 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 64 | T | Tetrachloroethene | 0.328 | 0.324 | 1.2 | 88 | 0.00 |
| 65 | PM | Chlorobenzene | 1.041 | 1.024 | 1.6 | 88 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.362 | 0.351 | 3.0 | 84 | 0.00 |
| 67 | C | Ethyl Benzene | 1.915 | 1.917 | -0.1# | 90 | 0.00 |
| 68 | T | m/p-Xylenes | 0.724 | 0.723 | 0.1 | 91 | 0.00 |
| 69 | T | o-Xylene | 0.704 | 0.701 | 0.4 | 89 | 0.00 |
| 70 | T | Styrene | 1.153 | 1.194 | -3.6 | 90 | 0.00 |
| 71 | P | Bromoform | 0.250 | 0.231 | 7.6 | 76 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 73 | T | Isopropylbenzene | 4.232 | 4.157 | 1.8 | 89 | 0.00 |
| 74 | T | N-amyl acetate | 2.009 | 2.254 | -12.2 | 100 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.403 | 1.493 | -6.4 | 97 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.234 | 1.344 | -8.9 | 95 | 0.00 |
| 77 | T | Bromobenzene | 0.897 | 0.872 | 2.8 | 87 | 0.00 |
| 78 | T | n-propylbenzene | 4.957 | 4.915 | 0.8 | 89 | 0.00 |
| 79 | T | 2-Chlorotoluene | 3.006 | 2.919 | 2.9 | 90 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.507 | 3.501 | 0.2 | 89 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.521 | 0.446 | 14.4 | 75 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.464 | 3.335 | 3.7 | 89 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.364 | 3.243 | 3.6 | 86 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.530 | 3.489 | 1.2 | 88 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.275 | 4.126 | 3.5 | 85 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.610 | 3.470 | 3.9 | 86 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.730 | 1.666 | 3.7 | 87 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.788 | 1.701 | 4.9 | 89 | 0.00 |
| 89 | T | n-Butylbenzene | 3.340 | 3.258 | 2.5 | 85 | 0.00 |
| 90 | T | Hexachloroethane | 0.597 | 0.526 | 11.9 | 75 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.662 | 1.637 | 1.5 | 88 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.300 | 0.310 | -3.3 | 92 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.003 | 0.969 | 3.4 | 88 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.391 | 0.320 | 18.2 | 73 | 0.00 |
| 95 | T | Naphthalene | 3.910 | 4.132 | -5.7 | 93 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 1.011 | 0.960 | 5.0 | 86 | 0.00 |

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