Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092021\
Data File : VX024367.D
Acq On : 20 Sep 2021 22:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Sep 22 08:53:40 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 21 10:52:48 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 | 86 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.481 | 0.467 | 2.9 | 83 | 0.00 |
| 3 | P | Chloromethane | 0.502 | 0.495 | 1.4 | 85 | 0.00 |
| 4 | C | Vinyl Chloride | 0.500 | 0.490 | 2.0# | 85 | 0.00 |
| 5 | T | Bromomethane | 0.297 | 0.273 | 8.1 | 81 | 0.00 |
| 6 | T | Chloroethane | 0.330 | 0.277 | 16.1 | 74 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.838 | 0.718 | 14.3 | 72 | 0.00 |
| 8 | T | Diethyl Ether | 0.290 | 0.247 | 14.8 | 71 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.492 | 0.492 | 0.0 | 85 | 0.00 |
| 10 | T | Methyl Iodide | 0.681 | 0.673 | 1.2 | 77 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.169 | 0.149 | 11.8 | 80 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.461 | 0.463 | -0.4# | 84 | 0.00 |
| 13 | T | Acrolein | 0.047 | 0.042 | 10.6 | 79 | 0.00 |
| 14 | T | Allyl chloride | 0.838 | 0.853 | -1.8 | 84 | 0.00 |
| 15 | T | Acrylonitrile | 0.292 | 0.309 | -5.8 | 87 | 0.00 |
| 16 | T | Acetone | 0.304 | 0.273 | 10.2 | 78 | 0.00 |
| 17 | T | Carbon Disulfide | 1.155 | 1.073 | 7.1 | 77 | 0.00 |
| 18 | T | Methyl Acetate | 0.953 | 0.990 | -3.9 | 87 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.694 | 1.755 | -3.6 | 84 | 0.00 |
| 20 | T | Methylene Chloride | 0.584 | 0.567 | 2.9 | 88 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.505 | 0.503 | 0.4 | 84 | 0.00 |
| 22 | T | Diisopropyl ether | 1.646 | 1.766 | -7.3 | 87 | 0.00 |
| 23 | T | Vinyl Acetate | 1.336 | 1.412 | -5.7 | 84 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.966 | 0.984 | -1.9 | 85 | 0.00 |
| 25 | T | 2-Butanone | 0.448 | 0.446 | 0.4 | 83 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.846 | 0.713 | 15.7 | 69 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.583 | 0.609 | -4.5 | 84 | 0.00 |
| 28 | T | Bromochloromethane | 0.393 | 0.392 | 0.3 | 92 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.280 | 0.291 | -3.9 | 84 | 0.00 |
| 30 | C | Chloroform | 1.027 | 1.067 | -3.9# | 85 | 0.00 |
| 31 | T | Cyclohexane | 0.834 | 0.848 | -1.7 | 84 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.919 | 0.946 | -2.9 | 83 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.713 | 0.653 | 8.4 | 82 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.335 | 0.320 | 4.5 | 84 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.460 | 0.467 | -1.5 | 85 | 0.00 |
| 37 | T | Ethyl Acetate | 0.536 | 0.528 | 1.5 | 84 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.517 | 0.518 | -0.2 | 83 | 0.00 |
| 39 | T | Methylcyclohexane | 0.549 | 0.561 | -2.2 | 83 | 0.00 |
| 40 | TM | Benzene | 1.318 | 1.361 | -3.3 | 85 | 0.00 |
| 41 | T | Methacrylonitrile | 0.286 | 0.302 | -5.6 | 86 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.550 | 0.546 | 0.7 | 82 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.853 | 0.854 | -0.1 | 82 | 0.00 |
| 44 | TM | Trichloroethene | 0.370 | 0.378 | -2.2 | 86 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.348 | 0.358 | -2.9# | 86 | 0.00 |
| 46 | T | Dibromomethane | 0.255 | 0.261 | -2.4 | 85 | 0.00 |
| 47 | T | Bromodichloromethane | 0.474 | 0.494 | -4.2 | 84 | 0.00 |
| 48 | T | Methyl methacrylate | 0.425 | 0.432 | -1.6 | 83 | 0.00 |

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

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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 | 0.009 | 0.009 | 0.0 | 80 | 0.00 |
| 50 | S | Toluene-d8 | 1.222 | 1.191 | 2.5 | 86 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.543 | 0.578 | -6.4 | 84 | 0.00 |
| 52 | CM | Toluene | 0.864 | 0.909 | -5.2# | 86 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.537 | 0.552 | -2.8 | 82 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.556 | 0.572 | -2.9 | 81 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.368 | 0.383 | -4.1 | 87 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.552 | 0.602 | -9.1 | 85 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.599 | 0.627 | -4.7 | 87 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.266 | 0.283 | -6.4 | 87 | 0.00 |
| 59 | T | 2-Hexanone | 0.423 | 0.459 | -8.5 | 85 | 0.00 |
| 60 | T | Dibromochloromethane | 0.372 | 0.397 | -6.7 | 83 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.392 | 0.408 | -4.1 | 86 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.475 | 0.486 | -2.3 | 88 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 89 | 0.00 |
| 64 | T | Tetrachloroethene | 0.387 | 0.391 | -1.0 | 86 | 0.00 |
| 65 | PM | Chlorobenzene | 1.029 | 1.056 | -2.6 | 88 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.381 | 0.395 | -3.7 | 86 | 0.00 |
| 67 | C | Ethyl Benzene | 1.799 | 1.857 | -3.2# | 86 | 0.00 |
| 68 | T | m/p-Xylenes | 0.689 | 0.732 | -6.2 | 87 | 0.00 |
| 69 | T | o-Xylene | 0.688 | 0.719 | -4.5 | 87 | 0.00 |
| 70 | T | Styrene | 1.116 | 1.217 | -9.1 | 88 | 0.00 |
| 71 | P | Bromoform | 0.287 | 0.309 | -7.7 | 84 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 73 | T | Isopropylbenzene | 3.723 | 3.744 | -0.6 | 87 | 0.00 |
| 74 | T | N-amyl acetate | 1.567 | 1.606 | -2.5 | 84 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.205 | 1.215 | -0.8 | 91 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.150 | 1.130 | 1.7 | 87 | 0.00 |
| 77 | T | Bromobenzene | 0.936 | 0.946 | -1.1 | 88 | 0.00 |
| 78 | T | n-propylbenzene | 4.206 | 4.285 | -1.9 | 87 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.613 | 2.647 | -1.3 | 87 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.139 | 3.171 | -1.0 | 86 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.391 | 0.368 | 5.9 | 79 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.973 | 2.993 | -0.7 | 86 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.029 | 3.071 | -1.4 | 87 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.087 | 3.156 | -2.2 | 86 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.795 | 3.976 | -4.8 | 87 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.186 | 3.295 | -3.4 | 86 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.676 | 1.726 | -3.0 | 89 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.711 | 1.718 | -0.4 | 90 | 0.00 |
| 89 | T | n-Butylbenzene | 2.757 | 2.860 | -3.7 | 87 | 0.00 |
| 90 | T | Hexachloroethane | 0.513 | 0.536 | -4.5 | 87 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.644 | 1.681 | -2.3 | 90 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.276 | 0.258 | 6.5 | 81 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.969 | 0.996 | -2.8 | 86 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.484 | 0.459 | 5.2 | 86 | 0.00 |
| 95 | T | Naphthalene | 3.116 | 3.442 | -10.5 | 88 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.977 | 1.018 | -4.2 | 86 | 0.00 |

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