# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090523\
Data File : VX037541.D
Acq On : 06 Sep 2023 08:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 47 Sample Multiplier: 1

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

Quant Time: Sep 06 09:19:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
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 | 76 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.581 | 0.516 | 11.2 | 67 | 0.00 |
| 3 | P | Chloromethane | 0.508 | 0.586 | -15.4 | 81 | 0.00 |
| 4 | C | Vinyl Chloride | 0.553 | 0.589 | -6.5# | 80 | 0.00 |
| 5 | T | Bromomethane | 0.276 | 0.257 | 6.9 | 72 | 0.00 |
| 6 | T | Chloroethane | 0.325 | 0.341 | -4.9 | 82 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.906 | 0.866 | 4.4 | 74 | 0.00 |
| 8 | T | Diethyl Ether | 0.351 | 0.413 | -17.7 | 81 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.529 | 0.510 | 3.6 | 77 | 0.00 |
| 10 | T | Methyl Iodide | 0.642 | 0.787 | -22.6 | 84 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.169 | 0.194 | -14.8 | 82 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.515 | 0.529 | -2.7# | 78 | 0.00 |
| 13 | T | Acrolein | 0.129 | 0.046 | 64.3# | 26# | 0.00 |
| 14 | T | Allyl chloride | 0.797 | 0.802 | -0.6 | 70 | 0.00 |
| 15 | T | Acrylonitrile | 0.302 | 0.389 | -28.8# | 89 | 0.00 |
| 16 | T | Acetone | 0.282 | 0.321 | -13.8 | 82 | 0.00 |
| 17 | T | Carbon Disulfide | 1.309 | 1.110 | 15.2 | 66 | 0.00 |
| 18 | T | Methyl Acetate | 1.062 | 1.305 | -22.9 | 85 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.952 | 2.303 | -18.0 | 81 | 0.00 |
| 20 | T | Methylene Chloride | 0.631 | 0.733 | -16.2 | 88 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.585 | 0.605 | -3.4 | 75 | 0.00 |
| 22 | T | Diisopropyl ether | 1.635 | 1.917 | -17.2 | 82 | 0.00 |
| 23 | T | Vinyl Acetate | 1.253 | 1.373 | -9.6 | 74 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.025 | 1.176 | -14.7 | 81 | 0.00 |
| 25 | T | 2-Butanone | 0.425 | 0.498 | -17.2 | 81 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.916 | 0.359 | 60.8# | 29# | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.690 | 0.792 | -14.8 | 82 | 0.00 |
| 28 | T | Bromochloromethane | 0.458 | 0.530 | -15.7 | 80 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.271 | 0.318 | -17.3 | 81 | 0.00 |
| 30 | C | Chloroform | 1.151 | 1.308 | -13.6# | 81 | 0.00 |
| 31 | T | Cyclohexane | 0.811 | 0.759 | 6.4 | 76 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.031 | 1.072 | -4.0 | 76 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.721 | 0.651 | 9.7 | 63 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 78 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.331 | 0.321 | 3.0 | 73 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.470 | 0.430 | 8.5 | 74 | 0.00 |
| 37 | T | Ethyl Acetate | 0.481 | 0.512 | -6.4 | 79 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.511 | 0.485 | 5.1 | 76 | 0.00 |
| 39 | T | Methylcyclohexane | 0.494 | 0.462 | 6.5 | 85 | 0.00 |
| 40 | TM | Benzene | 1.349 | 1.463 | -8.5 | 81 | 0.00 |
| 41 | T | Methacrylonitrile | 0.250 | 0.275 | -10.0 | 79 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.529 | 0.526 | 0.6 | 73 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.763 | 0.819 | -7.3 | 77 | 0.00 |
| 44 | TM | Trichloroethene | 0.383 | 0.382 | 0.3 | 78 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.333 | 0.381 | -14.4# | 84 | 0.00 |
| 46 | T | Dibromomethane | 0.262 | 0.286 | -9.2 | 79 | 0.00 |
| 47 | T | Bromodichloromethane | 0.502 | 0.554 | -10.4 | 80 | 0.00 |
| 48 | T | Methyl methacrylate | 0.372 | 0.400 | -7.5 | 78 | 0.00 |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
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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 | 0.010 | 0.012 | -20.0 | 87 | 0.00 |
| 50 | S | Toluene-d8 | 1.201 | 1.090 | 9.2 | 69 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.463 | 0.538 | -16.2 | 85 | 0.00 |
| 52 | CM | Toluene | 0.891 | 0.956 | -7.3# | 82 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.535 | 0.503 | 6.0 | 66 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.578 | 0.556 | 3.8 | 69 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.363 | 0.438 | -20.7 | 89 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.569 | 0.673 | -18.3 | 85 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.612 | 0.704 | -15.0 | 85 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.273 | 0.295 | -8.1 | 79 | 0.00 |
| 59 | T | 2-Hexanone | 0.353 | 0.413 | -17.0 | 85 | 0.00 |
| 60 | T | Dibromochloromethane | 0.386 | 0.462 | -19.7 | 84 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.397 | 0.449 | -13.1 | 83 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.472 | 0.454 | 3.8 | 74 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 79 | 0.00 |
| 64 | T | Tetrachloroethene | 0.365 | 0.354 | 3.0 | 79 | 0.00 |
| 65 | PM | Chlorobenzene | 1.057 | 1.133 | -7.2 | 84 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.390 | 0.455 | -16.7 | 87 | 0.00 |
| 67 | C | Ethyl Benzene | 1.860 | 1.940 | -4.3# | 82 | 0.00 |
| 68 | T | m/p-Xylenes | 0.718 | 0.761 | -6.0 | 84 | 0.00 |
| 69 | T | o-Xylene | 0.708 | 0.793 | -12.0 | 87 | 0.00 |
| 70 | T | Styrene | 1.167 | 1.328 | -13.8 | 86 | 0.00 |
| 71 | P | Bromoform | 0.292 | 0.366 | -25.3# | 87 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 73 | T | Isopropylbenzene | 3.634 | 3.740 | -2.9 | 88 | 0.00 |
| 74 | T | N-amyl acetate | 1.412 | 1.508 | -6.8 | 82 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.224 | 1.457 | -19.0 | 96 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.065 | 1.140 | -7.0 | 87 | 0.00 |
| 77 | T | Bromobenzene | 0.888 | 0.952 | -7.2 | 87 | 0.00 |
| 78 | T | n-propylbenzene | 4.047 | 4.136 | -2.2 | 88 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.586 | 2.708 | -4.7 | 88 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.032 | 3.233 | -6.6 | 89 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.381 | 0.308 | 19.2 | 62 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.985 | 3.035 | -1.7 | 84 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.891 | 3.207 | -10.9 | 97 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.064 | 3.280 | -7.0 | 90 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.377 | 3.827 | -13.3 | 100 | 0.00 |
| 86 | T | p-Isopropyltoluene | 2.907 | 3.244 | -11.6 | 98 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.662 | 1.762 | -6.0 | 88 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.717 | 1.762 | -2.6 | 86 | 0.00 |
| 89 | T | n-Butylbenzene | 2.410 | 2.578 | -7.0 | 95 | 0.00 |
| 90 | T | Hexachloroethane | 0.485 | 0.596 | -22.9 | 102 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.627 | 1.848 | -13.6 | 91 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.284 | 0.324 | -14.1 | 84 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.952 | 1.069 | -12.3 | 94 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.368 | 0.414 | -12.5 | 105 | 0.00 |
| 95 | T | Naphthalene | 4.171 | 4.133 | 0.9 | 86 | 0.00 |

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Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
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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) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.946 | 1.114 | -17.8 | 97 | 0.00 |

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