# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012023\
Data File : VX033834.D
Acq On : 20 Jan 2023 17:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Jan 21 04:47:03 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 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 | 104 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.395 | 0.350 | 11.4 | 89 | 0.00 |
| 3 | P | Chloromethane | 0.443 | 0.438 | 1.1 | 91 | 0.00 |
| 4 | C | Vinyl Chloride | 0.424 | 0.435 | -2.6# | 92 | 0.00 |
| 5 | T | Bromomethane | 0.243 | 0.272 | -11.9 | 120 | 0.00 |
| 6 | T | Chloroethane | 0.262 | 0.226 | 13.7 | 86 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.687 | 0.621 | 9.6 | 91 | 0.00 |
| 8 | T | Diethyl Ether | 0.225 | 0.258 | -14.7 | 129 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.432 | 0.396 | 8.3 | 132 | 0.00 |
| 10 | T | Methyl Iodide | 0.555 | 0.547 | 1.4 | 129 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.091 | 0.080 | 12.1 | 92 | -0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.407 | 0.384 | 5.7# | 133 | 0.00 |
| 13 | T | Acrolein | 0.084 | 0.160 | -90.5# | 242# | 0.00 |
| 14 | T | Allyl chloride | 0.767 | 0.693 | 9.6 | 114 | 0.00 |
| 15 | T | Acrylonitrile | 0.241 | 0.232 | 3.7 | 97 | 0.00 |
| 16 | T | Acetone | 0.232 | 0.186 | 19.8 | 115 | 0.00 |
| 17 | T | Carbon Disulfide | 1.066 | 0.895 | 16.0 | 118 | 0.00 |
| 18 | T | Methyl Acetate | 0.735 | 0.700 | 4.8 | 98 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.413 | 1.357 | 4.0 | 98 | 0.00 |
| 20 | T | Methylene Chloride | 0.512 | 0.465 | 9.2 | 99 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.476 | 0.424 | 10.9 | 93 | 0.00 |
| 22 | T | Diisopropyl ether | 1.544 | 1.399 | 9.4 | 92 | 0.00 |
| 23 | T | Vinyl Acetate | 1.162 | 1.087 | 6.5 | 92 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.845 | 0.757 | 10.4 | 92 | 0.00 |
| 25 | T | 2-Butanone | 0.344 | 0.307 | 10.8 | 92 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.605 | 0.490 | 19.0 | 83 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.547 | 0.505 | 7.7 | 94 | 0.00 |
| 28 | T | Bromochloromethane | 0.385 | 0.356 | 7.5 | 97 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.217 | 0.205 | 5.5 | 96 | 0.00 |
| 30 | C | Chloroform | 0.865 | 0.787 | 9.0# | 94 | 0.00 |
| 31 | T | Cyclohexane | 0.775 | 0.653 | 15.7 | 84 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.739 | 0.661 | 10.6 | 91 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.526 | 0.480 | 8.7 | 98 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.310 | 0.303 | 2.3 | 103 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.453 | 0.393 | 13.2 | 89 | 0.00 |
| 37 | T | Ethyl Acetate | 0.496 | 0.433 | 12.7 | 97 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.469 | 0.411 | 12.4 | 88 | 0.00 |
| 39 | T | Methylcyclohexane | 0.560 | 0.474 | 15.4 | 87 | 0.00 |
| 40 | TM | Benzene | 1.321 | 1.201 | 9.1 | 93 | 0.00 |
| 41 | T | Methacrylonitrile | 0.250 | 0.248 | 0.8 | 97 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.468 | 0.415 | 11.3 | 91 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.715 | 0.658 | 8.0 | 93 | 0.00 |
| 44 | TM | Trichloroethene | 0.369 | 0.350 | 5.1 | 96 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.331 | 0.308 | 6.9# | 94 | 0.00 |
| 46 | T | Dibromomethane | 0.231 | 0.219 | 5.2 | 97 | 0.00 |
| 47 | T | Bromodichloromethane | 0.445 | 0.413 | 7.2 | 92 | 0.00 |
| 48 | T | Methyl methacrylate | 0.360 | 0.339 | 5.8 | 91 | 0.00 |

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Jan 21 04:47:03 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 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) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.008 | 0.008 | 0.0 | 96 | -0.01 |
| 50 | S | Toluene-d8 | 1.131 | 1.097 | 3.0 | 101 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.439 | 0.425 | 3.2 | 94 | 0.00 |
| 52 | CM | Toluene | 0.853 | 0.789 | 7.5# | 94 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.445 | 0.421 | 5.4 | 90 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.499 | 0.475 | 4.8 | 91 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.338 | 0.321 | 5.0 | 97 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.475 | 0.476 | -0.2 | 96 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.547 | 0.530 | 3.1 | 95 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.234 | 0.216 | 7.7 | 92 | 0.00 |
| 59 | T | 2-Hexanone | 0.306 | 0.310 | -1.3 | 94 | 0.00 |
| 60 | T | Dibromochloromethane | 0.350 | 0.353 | -0.9 | 95 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.337 | 0.337 | 0.0 | 93 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.420 | 0.413 | 1.7 | 102 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 64 | T | Tetrachloroethene | 0.381 | 0.345 | 9.4 | 95 | 0.00 |
| 65 | PM | Chlorobenzene | 1.035 | 0.962 | 7.1 | 95 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.381 | 0.363 | 4.7 | 95 | 0.00 |
| 67 | C | Ethyl Benzene | 1.777 | 1.639 | 7.8# | 92 | 0.00 |
| 68 | T | m/p-Xylenes | 0.695 | 0.656 | 5.6 | 94 | 0.00 |
| 69 | T | o-Xylene | 0.689 | 0.644 | 6.5 | 93 | 0.00 |
| 70 | T | Styrene | 1.121 | 1.081 | 3.6 | 93 | 0.00 |
| 71 | P | Bromoform | 0.319 | 0.303 | 5.0 | 93 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 73 | T | Isopropylbenzene | 3.645 | 3.177 | 12.8 | 93 | 0.00 |
| 74 | T | N-amyl acetate | 1.313 | 1.192 | 9.2 | 90 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.097 | 0.969 | 11.7 | 96 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.919 | 0.872 | 5.1 | 107 | 0.00 |
| 77 | T | Bromobenzene | 0.986 | 0.868 | 12.0 | 94 | 0.00 |
| 78 | T | n-propylbenzene | 4.080 | 3.551 | 13.0 | 91 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.483 | 2.119 | 14.7 | 91 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.009 | 2.639 | 12.3 | 93 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.296 | 0.259 | 12.5 | 88 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.818 | 2.410 | 14.5 | 91 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.987 | 2.709 | 9.3 | 91 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.846 | 2.645 | 7.1 | 92 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.573 | 3.285 | 8.1 | 90 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.059 | 2.832 | 7.4 | 90 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.689 | 1.559 | 7.7 | 92 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.721 | 1.568 | 8.9 | 93 | 0.00 |
| 89 | T | n-Butylbenzene | 2.503 | 2.258 | 9.8 | 87 | 0.00 |
| 90 | T | Hexachloroethane | 0.503 | 0.451 | 10.3 | 86 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.630 | 1.530 | 6.1 | 94 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.204 | 0.188 | 7.8 | 91 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.098 | 1.058 | 3.6 | 91 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.538 | 0.477 | 11.3 | 88 | 0.00 |
| 95 | T | Naphthalene | 3.159 | 3.091 | 2.2 | 94 | 0.00 |

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Quant Title : SW846 8260
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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 1.099 | 1.057 | 3.8 | 93 | 0.00 |

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