# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020923\
Data File : VD075284.D
Acq On : 09 Feb 2023 09:43
Operator : KP/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 10 01:57:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 08 04:26:58 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 | 90 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.453 | 0.376 | 17.0 | 83 | 0.00 |
| 3 | P | Chloromethane | 0.829 | 0.657 | 20.7 | 85 | 0.00 |
| 4 | C | Vinyl Chloride | 0.832 | 0.715 | 14.1# | 81 | 0.00 |
| 5 | T | Bromomethane | 0.532 | 0.479 | 10.0 | 95 | 0.00 |
| 6 | T | Chloroethane | 0.574 | 0.518 | 9.8 | 88 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.034 | 0.951 | 8.0 | 87 | 0.00 |
| 8 | T | Diethyl Ether | 0.278 | 0.261 | 6.1 | 86 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.587 | 0.579 | 1.4 | 90 | 0.00 |
| 10 | T | Methyl Iodide | 0.643 | 0.638 | 0.8 | 81 | -0.01 |
| 11 | T | Tert butyl alcohol | 0.037 | 0.029 | 21.6 | 86 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.560 | 0.550 | 1.8# | 91 | 0.00 |
| 13 | T | Acrolein | 0.023 | 0.015 | 34.8# | 88 | 0.00 |
| 14 | T | Allyl chloride | 0.931 | 0.886 | 4.8 | 91 | 0.00 |
| 15 | T | Acrylonitrile | 0.131 | 0.129 | 1.5 | 91 | 0.00 |
| 16 | T | Acetone | 0.155 | 0.164 | -5.8 | 89 | 0.00 |
| 17 | T | Carbon Disulfide | 1.726 | 1.583 | 8.3 | 88 | 0.00 |
| 18 | T | Methyl Acetate | 0.446 | 0.396 | 11.2 | 89 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.285 | 1.269 | 1.2 | 90 | 0.00 |
| 20 | T | Methylene Chloride | 0.801 | 0.666 | 16.9 | 89 | -0.01 |
| 21 | T | trans-1,2-Dichloroethene | 0.633 | 0.629 | 0.6 | 90 | 0.00 |
| 22 | T | Diisopropyl ether | 1.852 | 1.905 | -2.9 | 92 | 0.00 |
| 23 | T | Vinyl Acetate | 0.562 | 0.835 | -48.6# | 128 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.155 | 1.149 | 0.5 | 92 | 0.00 |
| 25 | T | 2-Butanone | 0.192 | 0.190 | 1.0 | 88 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.022 | 1.009 | 1.3 | 90 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.708 | 0.718 | -1.4 | 94 | 0.00 |
| 28 | T | Bromochloromethane | 0.324 | 0.312 | 3.7 | 99 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.103 | 0.103 | 0.0 | 89 | 0.00 |
| 30 | C | Chloroform | 1.188 | 1.208 | -1.7# | 94 | 0.00 |
| 31 | T | Cyclohexane | 1.041 | 0.939 | 9.8 | 87 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.063 | 1.081 | -1.7 | 93 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.586 | 0.591 | -0.9 | 99 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.351 | 0.356 | -1.4 | 96 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.546 | 0.549 | -0.5 | 91 | 0.00 |
| 37 | T | Ethyl Acetate | 0.238 | 0.210 | 11.8 | 87 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.506 | 0.520 | -2.8 | 92 | 0.00 |
| 39 | T | Methylcyclohexane | 0.632 | 0.630 | 0.3 | 87 | 0.00 |
| 40 | TM | Benzene | 1.535 | 1.549 | -0.9 | 92 | 0.00 |
| 41 | T | Methacrylonitrile | 0.142 | 0.133 | 6.3 | 94 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.444 | 0.448 | -0.9 | 93 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.455 | 0.450 | 1.1 | 92 | 0.00 |
| 44 | TM | Trichloroethene | 0.423 | 0.404 | 4.5 | 87 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.390 | 0.396 | -1.5# | 93 | 0.00 |
| 46 | T | Dibromomethane | 0.216 | 0.212 | 1.9 | 92 | 0.00 |
| 47 | T | Bromodichloromethane | 0.538 | 0.547 | -1.7 | 92 | 0.00 |
| 48 | T | Methyl methacrylate | 0.216 | 0.226 | -4.6 | 92 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020923\
Data File : VD075284.D
Acq On : 09 Feb 2023 09:43
Operator : KP/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 10 01:57:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 08 04:26:58 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 | 0.002 | 0.002 | 0.0 | 84 | 0.00 |
| 50 | S | Toluene-d8 | 1.330 | 1.315 | 1.1 | 94 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.230 | 0.234 | -1.7 | 90 | 0.00 |
| 52 | CM | Toluene | 0.967 | 0.977 | -1.0# | 89 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.466 | 0.496 | -6.4 | 94 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.557 | 0.599 | -7.5 | 95 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.276 | 0.287 | -4.0 | 93 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.321 | 0.332 | -3.4 | 89 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.470 | 0.483 | -2.8 | 92 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.083 | 0.100 | -20.5 | 108 | 0.00 |
| 59 | T | 2-Hexanone | 0.168 | 0.171 | -1.8 | 88 | 0.00 |
| 60 | T | Dibromochloromethane | 0.342 | 0.362 | -5.8 | 93 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.266 | 0.267 | -0.4 | 91 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.438 | 0.450 | -2.7 | 96 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 64 | T | Tetrachloroethene | 0.385 | 0.369 | 4.2 | 90 | 0.00 |
| 65 | PM | Chlorobenzene | 1.128 | 1.131 | -0.3 | 93 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.411 | 0.418 | -1.7 | 91 | 0.00 |
| 67 | C | Ethyl Benzene | 2.082 | 2.099 | -0.8# | 91 | 0.00 |
| 68 | T | m/p-Xylenes | 0.792 | 0.801 | -1.1 | 90 | 0.00 |
| 69 | T | o-Xylene | 0.740 | 0.754 | -1.9 | 92 | 0.00 |
| 70 | T | Styrene | 1.253 | 1.282 | -2.3 | 92 | 0.00 |
| 71 | P | Bromoform | 0.221 | 0.220 | 0.5 | 89 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 73 | T | Isopropylbenzene | 4.051 | 4.107 | -1.4 | 91 | 0.00 |
| 74 | T | N-amyl acetate | 0.910 | 0.925 | -1.6 | 93 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.705 | 0.698 | 1.0 | 93 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.568 | 0.536 | 5.6 | 96 | 0.00 |
| 77 | T | Bromobenzene | 0.917 | 0.929 | -1.3 | 93 | 0.00 |
| 78 | T | n-propylbenzene | 5.040 | 5.090 | -1.0 | 90 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.765 | 2.762 | 0.1 | 91 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.373 | 3.448 | -2.2 | 91 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.159 | 0.164 | -3.1 | 92 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.884 | 2.899 | -0.5 | 92 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.908 | 2.972 | -2.2 | 91 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.369 | 3.436 | -2.0 | 91 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.461 | 4.597 | -3.0 | 92 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.649 | 3.786 | -3.8 | 91 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.854 | 1.878 | -1.3 | 92 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.855 | 1.819 | 1.9 | 91 | 0.00 |
| 89 | T | n-Butylbenzene | 3.562 | 3.653 | -2.6 | 92 | 0.00 |
| 90 | T | Hexachloroethane | 0.719 | 0.707 | 1.7 | 90 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.609 | 1.598 | 0.7 | 91 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.109 | 0.106 | 2.8 | 88 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.007 | 1.022 | -1.5 | 93 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.532 | 0.530 | 0.4 | 88 | 0.00 |
| 95 | T | Naphthalene | 1.875 | 1.834 | 2.2 | 89 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020923\
Data File : VD075284.D
Acq On : 09 Feb 2023 09:43
Operator : KP/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 10 01:57:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 08 04:26:58 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) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.869 | 0.851 | 2.1 | 89 | 0.00 |

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