# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF072418\
Data File : VF059634.D
Acq On : 24 Jul 2018 16:07
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 82 Sample Multiplier: 1

**Instrument :** MSVOA_F
**LabSampleId :** VSTDICC005

Quant Time: Jul 25 01:03:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 25 00:58:12 2018
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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 105 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 5.808 | 88.4# | 14 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 6.983 | 86.0# | 15 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 5.825 | 88.3# | 14 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 5.898 | 88.2# | 15 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 5.984 | 88.0# | 14 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 5.619 | 88.8# | 12 | -0.06 |
| 8 | T | Diethyl Ether | 50.000 | 5.866 | 88.3# | 14 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 6.399 | 87.2# | 14 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 5.848 | 88.3# | 14 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 24.533 | 90.2# | 13 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 6.787 | 86.4# | 16 | -0.02 |
| 13 | T | Acrolein | 250.000 | 23.427 | 90.6# | 11 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 4.811 | 90.4# | 12 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 25.442 | 89.8# | 13 | 0.00 |
| 16 | T | Acetone | 250.000 | 26.812 | 89.3# | 15 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 6.217 | 87.6# | 15 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 5.934 | 88.1# | 16 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 5.166 | 89.7# | 13 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 5.965 | 88.1# | 18 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 6.305 | 87.4# | 15 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 5.653 | 88.7# | 13 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 22.149 | 91.1# | 10 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 5.599 | 88.8# | 13 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 30.589 | 87.8# | 15 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 5.776 | 88.4# | 14 | -0.02 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 6.070 | 87.9# | 13 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 5.852 | 88.3# | 13 | 0.00 |
| 29 | | Tetrahydrofuran | 250.000 | 31.112 | 87.6# | 16 | 0.00 |
| 30 | C | Chloroform | 50.000 | 5.454 | 89.1# | 12 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 5.689 | 88.6# | 13 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 5.483 | 89.0# | 13 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 4.869 | 90.3# | 11 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 100 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 5.158 | 89.7# | 10 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 5.324 | 89.4# | 12 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 6.800 | 86.4# | 16 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 5.122 | 89.8# | 12 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 5.512 | 89.0# | 13 | 0.00 |
| 40 | TM | Benzene | 50.000 | 5.862 | 88.3# | 13 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 5.150 | 89.7# | 11 | 0.01 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 5.114 | 89.8# | 12 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 5.408 | 89.2# | 14 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 5.374 | 89.3# | 12 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 4.973 | 90.1# | 11 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF072418\
Data File : VF059634.D
Acq On : 24 Jul 2018 16:07
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 82 Sample Multiplier: 1

**Instrument :** MSVOA_F
**LabSampleId :** VSTDICC005

Quant Time: Jul 25 01:03:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 25 00:58:12 2018
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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 46 | T | Dibromomethane | 50.000 | 5.435 | 89.1# | 12 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 5.392 | 89.2# | 12 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 4.279 | 91.4# | 11 | 0.00 |
| 49 | T | 1,4-Dioxane | 1000.000 | 103.287 | 89.7# | 11 | 0.01 |
| 50 | S | Toluene-d8 | 50.000 | 4.839 | 90.3# | 10 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 25.097 | 90.0# | 12 | 0.00 |
| 52 | CM | Toluene | 50.000 | 6.009 | 88.0# | 14 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 5.188 | 89.6# | 13 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 5.382 | 89.2# | 12 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 4.919 | 90.2# | 12 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 4.548 | 90.9# | 12 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 4.659 | 90.7# | 12 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 27.146 | 89.1# | 13 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 24.048 | 90.4# | 12 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 4.960 | 90.1# | 11 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 5.546 | 88.9# | 13 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 4.406 | 91.2# | 10 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 101 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 6.503 | 87.0# | 14 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 5.820 | 88.4# | 13 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 6.379 | 87.2# | 14 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 5.823 | 88.4# | 14 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 11.928 | 88.1# | 13 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 5.696 | 88.6# | 12 | 0.00 |
| 70 | T | Styrene | 50.000 | 5.521 | 89.0# | 12 | 0.00 |
| 71 | P | Bromoform | 50.000 | 4.782 | 90.4# | 10 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 107 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 5.302 | 89.4# | 12 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 5.166 | 89.7# | 13 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 4.817 | 90.4# | 12 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 4.407 | 91.2# | 11 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 5.211 | 89.6# | 13 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 5.663 | 88.7# | 14 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 5.626 | 88.7# | 13 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 5.324 | 89.4# | 12 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 6.865 | 86.3# | 13 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 5.387 | 89.2# | 13 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 5.629 | 88.7# | 13 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 5.451 | 89.1# | 13 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 5.897 | 88.2# | 13 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 5.639 | 88.7# | 13 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 6.024 | 88.0# | 15 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 6.238 | 87.5# | 15 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 6.096 | 87.8# | 14 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF072418\
Data File : VF059634.D
Acq On : 24 Jul 2018 16:07
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 82 Sample Multiplier: 1

**Instrument :** MSVOA_F
**LabSampleId :** VSTDICC005

Quant Time: Jul 25 01:03:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 25 00:58:12 2018
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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 90 T | Hexachloroethane | 50.000 | 5.361 | 89.3# | 12 | 0.00 |
| 91 T | 1,2-Dichlorobenzene | 50.000 | 5.831 | 88.3# | 14 | 0.00 |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 5.558 | 88.9# | 13 | 0.00 |
| 93 T | 1,2,4-Trichlorobenzene | 50.000 | 6.065 | 87.9# | 13 | 0.00 |
| 94 T | Hexachlorobutadiene | 50.000 | 5.999 | 88.0# | 13 | 0.00 |
| 95 T | Naphthalene | 50.000 | 5.059 | 89.9# | 11 | 0.00 |
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 5.274 | 89.5# | 11 | 0.00 |

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