# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN040219\
Data File : VN054912.D
Acq On : 2 Apr 2019 19:48
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_N
**LabSampleId :** VSTDCCC050

Quant Time: Apr 03 06:58:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
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 | 91 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.506 | 0.466 | 7.9 | 89 | 0.00 |
| 3 | P | Chloromethane | 0.699 | 0.664 | 5.0 | 90 | 0.00 |
| 4 | C | Vinyl Chloride | 0.628 | 0.604 | 3.8# | 92 | 0.00 |
| 5 | T | Bromomethane | 0.379 | 0.333 | 12.1 | 88 | 0.00 |
| 6 | T | Chloroethane | 0.351 | 0.351 | 0.0 | 98 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.772 | 0.787 | -1.9 | 96 | 0.00 |
| 8 | T | Diethyl Ether | 0.249 | 0.266 | -6.8 | 99 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.406 | 0.411 | -1.2 | 97 | 0.00 |
| 10 | T | Methyl Iodide | 0.556 | 0.591 | -6.3 | 92 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.035 | 0.038 | -8.6 | 102 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.393 | 0.405 | -3.1# | 96 | 0.00 |
| 13 | T | Acrolein | 0.031 | 0.033 | -6.5 | 103 | 0.00 |
| 14 | T | Allyl chloride | 0.968 | 0.983 | -1.5 | 95 | 0.00 |
| 15 | T | Acrylonitrile | 0.195 | 0.214 | -9.7 | 101 | 0.00 |
| 16 | T | Acetone | 0.161 | 0.147 | 8.7 | 86 | 0.00 |
| 17 | T | Carbon Disulfide | 1.275 | 1.183 | 7.2 | 88 | 0.00 |
| 18 | T | Methyl Acetate | 0.464 | 0.480 | -3.4 | 103 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.375 | 1.474 | -7.2 | 99 | 0.00 |
| 20 | T | Methylene Chloride | 0.567 | 0.577 | -1.8 | 98 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.516 | 0.527 | -2.1 | 96 | 0.00 |
| 22 | T | Diisopropyl ether | 1.915 | 2.095 | -9.4 | 99 | 0.00 |
| 23 | T | Vinyl Acetate | 1.332 | 1.492 | -12.0 | 98 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.021 | 1.096 | -7.3 | 98 | 0.00 |
| 25 | T | 2-Butanone | 0.238 | 0.260 | -9.2 | 95 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.716 | 0.735 | -2.7 | 94 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.583 | 0.618 | -6.0 | 98 | 0.00 |
| 28 | T | Bromochloromethane | 0.511 | 0.570 | -11.5 | 102 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.165 | 0.177 | -7.3 | 101 | 0.00 |
| 30 | C | Chloroform | 0.974 | 1.053 | -8.1# | 99 | 0.00 |
| 31 | T | Cyclohexane | 1.175 | 0.993 | 15.5 | 94 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.807 | 0.866 | -7.3 | 97 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.674 | 0.689 | -2.2 | 92 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.333 | 0.337 | -1.2 | 93 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.466 | 0.475 | -1.9 | 96 | 0.00 |
| 37 | T | Ethyl Acetate | 0.342 | 0.356 | -4.1 | 99 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.453 | 0.460 | -1.5 | 98 | 0.00 |
| 39 | T | Methylcyclohexane | 0.512 | 0.509 | 0.6 | 92 | 0.00 |
| 40 | TM | Benzene | 1.333 | 1.409 | -5.7 | 97 | 0.00 |
| 41 | T | Methacrylonitrile | 0.192 | 0.206 | -7.3 | 98 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.476 | 0.500 | -5.0 | 99 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.555 | 0.616 | -11.0 | 98 | 0.00 |
| 44 | TM | Trichloroethene | 0.346 | 0.361 | -4.3 | 98 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.380 | 0.402 | -5.8# | 98 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040219\
Data File : VN054912.D
Acq On : 2 Apr 2019 19:48
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_N
**LabSampleId :** VSTDCCC050

Quant Time: Apr 03 06:58:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
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) |
|---|---|---|---|---|---|---|---|
| 46 | T | Dibromomethane | 0.214 | 0.225 | -5.1 | 97 | 0.00 |
| 47 | T | Bromodichloromethane | 0.444 | 0.485 | -9.2 | 98 | 0.00 |
| 48 | T | Methyl methacrylate | 0.301 | 0.306 | -1.7 | 94 | 0.00 |
| 49 | T | 1,4-Dioxane | 0.003 | 0.003 | 0.0 | 96 | 0.00 |
| 50 | S | Toluene-d8 | 1.239 | 1.242 | -0.2 | 90 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.312 | 0.350 | -12.2 | 100 | 0.00 |
| 52 | CM | Toluene | 0.793 | 0.838 | -5.7# | 96 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.418 | 0.477 | -14.1 | 99 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.499 | 0.566 | -13.4 | 99 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.295 | 0.312 | -5.8 | 101 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.387 | 0.435 | -12.4 | 100 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.507 | 0.552 | -8.9 | 99 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.148 | 0.178 | -20.3 | 101 | 0.00 |
| 59 | T | 2-Hexanone | 0.200 | 0.216 | -8.0 | 98 | 0.00 |
| 60 | T | Dibromochloromethane | 0.299 | 0.337 | -12.7 | 99 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.282 | 0.302 | -7.1 | 97 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.412 | 0.419 | -1.7 | 92 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 64 | T | Tetrachloroethene | 0.384 | 0.373 | 2.9 | 94 | 0.00 |
| 65 | PM | Chlorobenzene | 0.979 | 1.000 | -2.1 | 97 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.366 | 0.385 | -5.2 | 97 | 0.00 |
| 67 | C | Ethyl Benzene | 1.767 | 1.801 | -1.9# | 97 | 0.00 |
| 68 | T | m/p-Xylenes | 0.654 | 0.665 | -1.7 | 96 | 0.00 |
| 69 | T | o-Xylene | 0.641 | 0.656 | -2.3 | 98 | 0.00 |
| 70 | T | Styrene | 1.025 | 1.111 | -8.4 | 98 | 0.00 |
| 71 | P | Bromoform | 0.215 | 0.233 | -8.4 | 97 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 73 | T | Isopropylbenzene | 4.087 | 3.934 | 3.7 | 97 | 0.00 |
| 74 | T | N-amyl acetate | 1.273 | 1.294 | -1.6 | 97 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.015 | 0.978 | 3.6 | 100 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.869 | 0.877 | -0.9 | 106 | 0.00 |
| 77 | T | Bromobenzene | 0.986 | 0.972 | 1.4 | 98 | 0.00 |
| 78 | T | n-propylbenzene | 4.492 | 4.388 | 2.3 | 95 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.779 | 2.667 | 4.0 | 97 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.353 | 3.239 | 3.4 | 96 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.223 | 0.229 | -2.7 | 99 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.699 | 2.652 | 1.7 | 95 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.932 | 2.745 | 6.4 | 95 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.195 | 3.228 | -1.0 | 96 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.643 | 3.561 | 2.3 | 98 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.213 | 3.153 | 1.9 | 96 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.651 | 1.632 | 1.2 | 95 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.620 | 1.567 | 3.3 | 93 | 0.00 |
| 89 | T | n-Butylbenzene | 2.621 | 2.600 | 0.8 | 93 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN040219\
Data File : VN054912.D
Acq On : 2 Apr 2019 19:48
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_N
**LabSampleId :** VSTDCCC050

Quant Time: Apr 03 06:58:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
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) |
|---|---|---|---|---|---|---|
| 90 T | Hexachloroethane | 0.546 | 0.527 | 3.5 | 93 | 0.00 |
| 91 T | 1,2-Dichlorobenzene | 1.667 | 1.623 | 2.6 | 96 | 0.00 |
| 92 T | 1,2-Dibromo-3-Chloropropane | 0.140 | 0.146 | -4.3 | 96 | 0.00 |
| 93 T | 1,2,4-Trichlorobenzene | 0.803 | 0.797 | 0.7 | 91 | 0.00 |
| 94 T | Hexachlorobutadiene | 0.542 | 0.481 | 11.3 | 90 | 0.00 |
| 95 T | Naphthalene | 1.802 | 1.760 | 2.3 | 93 | 0.00 |
| 96 T | 1,2,3-Trichlorobenzene | 0.811 | 0.782 | 3.6 | 90 | 0.00 |

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