# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW070518\
Data File : VW003712.D
Acq On : 05 Jul 2018 10:59
Operator : SY/AP
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_W
**LabSampleId :** VSTDCCC050

Quant Time: Jul 06 02:48:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 03 08:55:34 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 111 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 59.785 | -19.6 | 152 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 53.849 | -7.7 | 117 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 53.740 | -7.5# | 117 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 50.364 | -0.7 | 112 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 54.519 | -9.0 | 122 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 51.375 | -2.8 | 117 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 47.747 | 4.5 | 109 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 52.992 | -6.0 | 120 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 53.908 | -7.8 | 119 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 213.502 | 14.6 | 98 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 53.025 | -6.0# | 119 | 0.00 |
| 13 | T | Acrolein | 250.000 | 261.045 | -4.4 | 188 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 53.862 | -7.7 | 120 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 229.961 | 8.0 | 104 | 0.00 |
| 16 | T | Acetone | 250.000 | 241.041 | 3.6 | 114 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 56.013 | -12.0 | 119 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 43.670 | 12.7 | 107 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 49.945 | 0.1 | 110 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 48.038 | 3.9 | 110 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 52.743 | -5.5 | 116 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 51.630 | -3.3 | 112 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 233.864 | 6.5 | 108 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 51.486 | -3.0 | 116 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 232.051 | 7.2 | 105 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 51.646 | -3.3 | 121 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 52.351 | -4.7 | 117 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 46.440 | 7.1 | 103 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 228.924 | 8.4 | 101 | 0.00 |
| 30 | C | Chloroform | 50.000 | 51.024 | -2.0# | 115 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 51.475 | -3.0 | 118 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 53.222 | -6.4 | 120 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 48.012 | 4.0 | 108 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 108 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 52.810 | -5.6 | 111 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 55.518 | -11.0 | 117 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 48.825 | 2.3 | 104 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 56.747 | -13.5 | 121 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 57.717 | -15.4 | 118 | 0.00 |
| 40 | TM | Benzene | 50.000 | 54.326 | -8.7 | 116 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 48.012 | 4.0 | 101 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 51.363 | -2.7 | 110 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 48.888 | 2.2 | 104 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 54.172 | -8.3 | 118 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 53.045 | -6.1# | 114 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_W
**LabSampleId :** VSTDCCC050

Quant Time: Jul 06 02:48:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 03 08:55:34 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 46 | T | Dibromomethane | 50.000 | 51.527 | -3.1 | 110 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 52.653 | -5.3 | 112 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 45.688 | 8.6 | 104 | 0.00 |
| 49 | T | 1,4-Dioxane | 1000.000 | 1002.192 | -0.2 | 104 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 53.991 | -8.0 | 113 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 243.146 | 2.7 | 101 | 0.00 |
| 52 | CM | Toluene | 50.000 | 55.106 | -10.2# | 115 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 53.405 | -6.8 | 111 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 54.173 | -8.3 | 112 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 50.461 | -0.9 | 108 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 46.563 | 6.9 | 105 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 51.129 | -2.3 | 108 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 238.221 | 4.7 | 101 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 254.229 | -1.7 | 105 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 52.630 | -5.3 | 112 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 50.702 | -1.4 | 108 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 52.978 | -6.0 | 109 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 105 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 54.348 | -8.7 | 115 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 54.270 | -8.5 | 114 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 54.916 | -9.8 | 114 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 56.798 | -13.6# | 115 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 114.332 | -14.3 | 116 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 57.334 | -14.7 | 116 | 0.00 |
| 70 | T | Styrene | 50.000 | 56.841 | -13.7 | 112 | 0.00 |
| 71 | P | Bromoform | 50.000 | 53.217 | -6.4 | 110 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 105 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 57.231 | -14.5 | 116 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 50.730 | -1.5 | 103 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 50.315 | -0.6 | 106 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 49.594 | 0.8 | 105 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 54.030 | -8.1 | 111 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 57.310 | -14.6 | 115 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 55.727 | -11.5 | 113 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 57.229 | -14.5 | 115 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 52.756 | -5.5 | 108 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 55.440 | -10.9 | 114 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 57.527 | -15.1 | 115 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 57.187 | -14.4 | 114 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 57.527 | -15.1 | 116 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 58.006 | -16.0 | 116 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 54.669 | -9.3 | 114 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 53.966 | -7.9 | 113 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 57.929 | -15.9 | 116 | 0.00 |

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Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_W
**LabSampleId :** VSTDCCC050

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 03 08:55:34 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 90 T | Hexachloroethane | 50.000 | 56.252 | -12.5 | 116 | 0.00 |
| 91 T | 1,2-Dichlorobenzene | 50.000 | 53.379 | -6.8 | 112 | 0.00 |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 49.162 | 1.7 | 104 | 0.00 |
| 93 T | 1,2,4-Trichlorobenzene | 50.000 | 54.444 | -8.9 | 113 | 0.00 |
| 94 T | Hexachlorobutadiene | 50.000 | 56.500 | -13.0 | 118 | 0.00 |
| 95 T | Naphthalene | 50.000 | 53.211 | -6.4 | 106 | 0.00 |
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 53.531 | -7.1 | 112 | 0.00 |

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