# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW090119\
Data File : VW012462.D
Acq On : 01 Sep 2019 21:13
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Sep 02 08:13:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
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 | 66 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 48.892 | 2.2 | 58 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 53.012 | -6.0 | 67 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 53.312 | -6.6# | 65 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 54.591 | -9.2 | 65 | -0.03 |
| 6 | T | Chloroethane | 50.000 | 56.062 | -12.1 | 68 | -0.01 |
| 7 | T | Trichlorofluoromethane | 50.000 | 59.736 | -19.5 | 73 | -0.01 |
| 8 | T | Diethyl Ether | 50.000 | 57.448 | -14.9 | 70 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 55.735 | -11.5 | 68 | -0.01 |
| 10 | T | Methyl Iodide | 50.000 | 55.428 | -10.9 | 67 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 354.178 | -41.7# | 88 | -0.02 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 52.246 | -4.5# | 64 | 0.00 |
| 13 | T | Acrolein | 250.000 | 275.240 | -10.1 | 75 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 54.446 | -8.9 | 66 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 330.426 | -32.2# | 83 | 0.00 |
| 16 | T | Acetone | 250.000 | 291.965 | -16.8 | 65 | -0.01 |
| 17 | T | Carbon Disulfide | 50.000 | 49.334 | 1.3 | 58 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 69.841 | -39.7# | 89 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 63.671 | -27.3# | 78 | -0.01 |
| 20 | T | Methylene Chloride | 50.000 | 52.511 | -5.0 | 68 | -0.01 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 53.386 | -6.8 | 65 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 58.206 | -16.4 | 72 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 301.414 | -20.6# | 72 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 55.656 | -11.3 | 69 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 313.598 | -25.4# | 74 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 55.223 | -10.4 | 70 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 55.767 | -11.5 | 68 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 51.577 | -3.2 | 71 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 340.022 | -36.0# | 82 | 0.00 |
| 30 | C | Chloroform | 50.000 | 58.514 | -17.0# | 74 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 49.748 | 0.5 | 63 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 60.094 | -20.2# | 75 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 56.335 | -12.7 | 73 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 64 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 53.672 | -7.3 | 68 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 56.367 | -12.7 | 68 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 63.572 | -27.1# | 77 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 60.058 | -20.1# | 72 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 55.148 | -10.3 | 65 | 0.00 |
| 40 | TM | Benzene | 50.000 | 56.152 | -12.3 | 68 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 60.807 | -21.6# | 73 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 63.576 | -27.2# | 77 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 63.145 | -26.3# | 76 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 57.458 | -14.9 | 70 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 57.018 | -14.0# | 69 | 0.00 |

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Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Sep 02 08:13:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
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 | 62.045 | -24.1# | 76 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 60.985 | -22.0# | 73 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 65.681 | -31.4# | 77 | 0.00 |
| 49 | T | 1,4-Dioxane | 1000.000 | 1465.954 | -46.6# | 89 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 52.207 | -4.4 | 65 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 336.564 | -34.6# | 80 | 0.00 |
| 52 | CM | Toluene | 50.000 | 57.269 | -14.5# | 69 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 60.730 | -21.5# | 71 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 58.461 | -16.9 | 69 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 61.530 | -23.1# | 75 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 64.433 | -28.9# | 75 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 61.597 | -23.2# | 75 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 313.026 | -25.2# | 81 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 326.702 | -30.7# | 75 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 64.012 | -28.0# | 76 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 63.149 | -26.3# | 76 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 53.301 | -6.6 | 68 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 65 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 58.083 | -16.2 | 71 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 55.915 | -11.8 | 70 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 59.140 | -18.3 | 72 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 56.771 | -13.5# | 70 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 114.436 | -14.4 | 70 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 57.592 | -15.2 | 70 | 0.00 |
| 70 | T | Styrene | 50.000 | 58.317 | -16.6 | 70 | 0.00 |
| 71 | P | Bromoform | 50.000 | 65.312 | -30.6# | 81 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 68 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 54.651 | -9.3 | 70 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 60.687 | -21.4# | 76 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 58.732 | -17.5 | 77 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 71.889 | -43.8# | 95 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 56.515 | -13.0 | 74 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 54.448 | -8.9 | 70 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 54.749 | -9.5 | 71 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 55.977 | -12.0 | 72 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 58.739 | -17.5 | 74 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 55.268 | -10.5 | 72 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 57.210 | -14.4 | 73 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 55.603 | -11.2 | 72 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 55.617 | -11.2 | 72 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 56.456 | -12.9 | 72 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 55.309 | -10.6 | 73 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 55.040 | -10.1 | 73 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 55.260 | -10.5 | 70 | 0.00 |

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**LabSampleId :** VSTDCCC050

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
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 | 56.801 | -13.6 | 72 | 0.00 |
| 91 T | 1,2-Dichlorobenzene | 50.000 | 57.175 | -14.3 | 74 | 0.00 |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 66.339 | -32.7# | 89 | 0.00 |
| 93 T | 1,2,4-Trichlorobenzene | 50.000 | 57.846 | -15.7 | 73 | 0.00 |
| 94 T | Hexachlorobutadiene | 50.000 | 61.174 | -22.3# | 81 | 0.00 |
| 95 T | Naphthalene | 50.000 | 56.073 | -12.1 | 77 | 0.00 |
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 60.214 | -20.4# | 76 | 0.00 |

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