# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW062420\
Data File : VW015672.D
Acq On : 24 Jun 2020 10:16
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 25 02:43:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 23 13:20:19 2020
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 | 92 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 57.165 | -14.3 | 95 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 52.830 | -5.7 | 99 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 52.193 | -4.4# | 91 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 54.599 | -9.2 | 102 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 53.569 | -7.1 | 94 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 53.792 | -7.6 | 89 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 51.869 | -3.7 | 95 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 49.717 | 0.6 | 89 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 48.937 | 2.1 | 87 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 212.232 | 15.1 | 81 | 0.03 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 50.061 | -0.1# | 88 | 0.00 |
| 13 | T | Acrolein | 250.000 | 252.023 | -0.8 | 99 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 49.141 | 1.7 | 88 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 236.762 | 5.3 | 88 | 0.00 |
| 16 | T | Acetone | 250.000 | 271.672 | -8.7 | 94 | 0.02 |
| 17 | T | Carbon Disulfide | 50.000 | 51.863 | -3.7 | 88 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 48.048 | 3.9 | 88 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 49.142 | 1.7 | 89 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 54.799 | -9.6 | 95 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 49.666 | 0.7 | 90 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 49.348 | 1.3 | 87 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 255.171 | -2.1 | 89 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 49.194 | 1.6 | 90 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 248.730 | 0.5 | 91 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 48.114 | 3.8 | 89 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 49.649 | 0.7 | 87 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 49.251 | 1.5 | 94 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 238.239 | 4.7 | 87 | 0.00 |
| 30 | C | Chloroform | 50.000 | 48.711 | 2.6# | 88 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 47.943 | 4.1 | 87 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 49.853 | 0.3 | 88 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 48.330 | 3.3 | 93 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 92 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 49.315 | 1.4 | 93 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 51.474 | -2.9 | 88 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 47.624 | 4.8 | 86 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 52.078 | -4.2 | 88 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 52.193 | -4.4 | 86 | 0.00 |
| 40 | TM | Benzene | 50.000 | 50.492 | -1.0 | 87 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 53.895 | -7.8 | 98 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 50.352 | -0.7 | 88 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 49.085 | 1.8 | 87 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 48.768 | 2.5 | 84 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 50.517 | -1.0# | 88 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 46 | T | Dibromomethane | 50.000 | 50.170 | -0.3 | 89 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 50.874 | -1.7 | 88 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 50.128 | -0.3 | 86 | 0.00 |
| 49 | T | 1,4-Dioxane | 1000.000 | 996.715 | 0.3 | 89 | 0.02 |
| 50 | S | Toluene-d8 | 50.000 | 50.197 | -0.4 | 92 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 249.452 | 0.2 | 89 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.414 | -2.8# | 88 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 51.245 | -2.5 | 87 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 50.877 | -1.8 | 86 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 49.694 | 0.6 | 88 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 51.339 | -2.7 | 87 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 50.251 | -0.5 | 89 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 285.044 | -14.0 | 105 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 259.641 | -3.9 | 90 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 52.018 | -4.0 | 88 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 50.330 | -0.7 | 88 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 51.594 | -3.2 | 94 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 93 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 48.397 | 3.2 | 84 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 49.200 | 1.6 | 86 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 50.895 | -1.8 | 88 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.745 | -1.5# | 88 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 103.425 | -3.4 | 89 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 51.280 | -2.6 | 88 | 0.00 |
| 70 | T | Styrene | 50.000 | 52.010 | -4.0 | 88 | 0.00 |
| 71 | P | Bromoform | 50.000 | 51.841 | -3.7 | 88 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 94 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.929 | 0.1 | 88 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 48.818 | 2.4 | 88 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 48.048 | 3.9 | 89 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 47.071 | 5.9 | 86 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 48.406 | 3.2 | 87 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 49.788 | 0.4 | 87 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.522 | 1.0 | 89 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 50.533 | -1.1 | 89 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 49.818 | 0.4 | 87 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 49.714 | 0.6 | 89 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 49.999 | 0.0 | 89 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 50.396 | -0.8 | 88 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 50.623 | -1.2 | 88 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 51.394 | -2.8 | 90 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.961 | 0.1 | 90 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.790 | 0.4 | 93 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 51.527 | -3.1 | 89 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 90 T | Hexachloroethane | 50.000 | 50.465 | -0.9 | 88 | 0.00 |
| 91 T | 1,2-Dichlorobenzene | 50.000 | 49.500 | 1.0 | 90 | 0.00 |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 49.278 | 1.4 | 89 | 0.00 |
| 93 T | 1,2,4-Trichlorobenzene | 50.000 | 50.944 | -1.9 | 89 | 0.00 |
| 94 T | Hexachlorobutadiene | 50.000 | 48.462 | 3.1 | 85 | 0.00 |
| 95 T | Naphthalene | 50.000 | 50.368 | -0.7 | 86 | 0.00 |
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 49.122 | 1.8 | 88 | 0.00 |

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