# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD102120\
Data File : VD067337.D
Acq On : 21 Oct 2020 10:07
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_D
**LabSampleId :** VSTDCCC050

Quant Time: Oct 22 00:24:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
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 | 93 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 45.897 | 8.2 | 84 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 42.617 | 14.8 | 87 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 44.080 | 11.8# | 87 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 49.750 | 0.5 | 92 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 45.406 | 9.2 | 92 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 46.133 | 7.7 | 92 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 43.650 | 12.7 | 88 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 46.276 | 7.4 | 93 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 48.607 | 2.8 | 88 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 183.902 | 26.4# | 78 | -0.02 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 46.178 | 7.6# | 90 | 0.00 |
| 13 | T | Acrolein | 250.000 | 240.711 | 3.7 | 89 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 45.079 | 9.8 | 86 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 228.365 | 8.7 | 91 | 0.00 |
| 16 | T | Acetone | 250.000 | 234.744 | 6.1 | 96 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 42.967 | 14.1 | 85 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 44.360 | 11.3 | 96 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 46.062 | 7.9 | 89 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 46.328 | 7.3 | 87 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 45.732 | 8.5 | 90 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 48.121 | 3.8 | 91 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 245.592 | 1.8 | 90 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 46.876 | 6.2 | 92 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 226.154 | 9.5 | 91 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 48.575 | 2.8 | 96 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 47.139 | 5.7 | 91 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 50.066 | -0.1 | 90 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 236.451 | 5.4 | 91 | 0.00 |
| 30 | C | Chloroform | 50.000 | 48.162 | 3.7# | 94 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 45.180 | 9.6 | 93 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 48.898 | 2.2 | 95 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 49.193 | 1.6 | 92 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 88 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 53.889 | -7.8 | 92 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 49.946 | 0.1 | 93 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 50.532 | -1.1 | 93 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 51.537 | -3.1 | 94 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 49.838 | 0.3 | 89 | 0.00 |
| 40 | TM | Benzene | 50.000 | 49.614 | 0.8 | 92 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 53.898 | -7.8 | 116 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 48.980 | 2.0 | 90 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 49.486 | 1.0 | 94 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 49.607 | 0.8 | 91 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 48.615 | 2.8# | 90 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD102120\
Data File : VD067337.D
Acq On : 21 Oct 2020 10:07
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_D
**LabSampleId :** VSTDCCC050

Quant Time: Oct 22 00:24:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
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 | 48.678 | 2.6 | 94 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 50.141 | -0.3 | 94 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 50.101 | -0.2 | 96 | 0.00 |
| 49 | T | 1,4-Dioxane | 1000.000 | 958.763 | 4.1 | 89 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 54.097 | -8.2 | 91 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 251.283 | -0.5 | 94 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.249 | -2.5# | 93 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 51.545 | -3.1 | 94 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 50.652 | -1.3 | 93 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 49.716 | 0.6 | 94 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 50.034 | -0.1 | 91 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 49.319 | 1.4 | 93 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 266.435 | -6.6 | 95 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 264.070 | -5.6 | 96 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 49.411 | 1.2 | 93 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 49.235 | 1.5 | 93 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 52.902 | -5.8 | 92 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 91 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 48.117 | 3.8 | 93 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 48.581 | 2.8 | 92 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 50.344 | -0.7 | 94 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.343 | -0.7# | 93 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 102.305 | -2.3 | 94 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 50.043 | -0.1 | 94 | 0.00 |
| 70 | T | Styrene | 50.000 | 50.842 | -1.7 | 93 | 0.00 |
| 71 | P | Bromoform | 50.000 | 49.395 | 1.2 | 97 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 93 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 52.067 | -4.1 | 94 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 48.452 | 3.1 | 93 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 48.328 | 3.3 | 93 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 50.774 | -1.5 | 108 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 49.830 | 0.3 | 94 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 51.146 | -2.3 | 93 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 50.441 | -0.9 | 94 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 51.584 | -3.2 | 94 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 49.644 | 0.7 | 99 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.466 | -0.9 | 95 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 52.590 | -5.2 | 94 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 51.418 | -2.8 | 93 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 51.545 | -3.1 | 94 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 51.464 | -2.9 | 94 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.393 | 1.2 | 96 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 48.947 | 2.1 | 95 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 51.984 | -4.0 | 95 | 0.00 |

Evaluate Continuing Calibration Report

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Operator : VA/SY
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Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_D
**LabSampleId :** VSTDCCC050

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
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 | 49.225 | 1.5 | 94 | 0.00 |
| 91 T | 1,2-Dichlorobenzene | 50.000 | 48.489 | 3.0 | 95 | 0.00 |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 45.745 | 8.5 | 95 | 0.00 |
| 93 T | 1,2,4-Trichlorobenzene | 50.000 | 51.118 | -2.2 | 96 | 0.00 |
| 94 T | Hexachlorobutadiene | 50.000 | 52.133 | -4.3 | 96 | 0.00 |
| 95 T | Naphthalene | 50.000 | 50.041 | -0.1 | 92 | 0.00 |
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 50.325 | -0.7 | 95 | 0.00 |

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