# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD090120\
Data File : VD066512.D
Acq On : 01 Sep 2020 22:36
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Sep 02 02:15:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 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 | 64 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 44.082 | 11.8 | 60 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 44.676 | 10.6 | 62 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 48.044 | 3.9# | 65 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 56.553 | -13.1 | 77 | -0.01 |
| 6 | T | Chloroethane | 50.000 | 53.654 | -7.3 | 72 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 52.848 | -5.7 | 70 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 54.406 | -8.8 | 71 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 46.399 | 7.2 | 62 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 43.484 | 13.0 | 53 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 324.871 | -29.9# | 80 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 48.432 | 3.1# | 63 | 0.00 |
| 13 | T | Acrolein | 250.000 | 149.381 | 40.2# | 39 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 46.428 | 7.1 | 60 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 251.769 | -0.7 | 65 | 0.00 |
| 16 | T | Acetone | 250.000 | 205.181 | 17.9 | 53 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 43.874 | 12.3 | 57 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 52.065 | -4.1 | 68 | 0.01 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 57.535 | -15.1 | 73 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 52.145 | -4.3 | 66 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 49.964 | 0.1 | 67 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 47.470 | 5.1 | 59 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 243.357 | 2.7 | 60 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 51.037 | -2.1 | 67 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 230.368 | 7.9 | 60 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 51.419 | -2.8 | 66 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 52.756 | -5.5 | 69 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 47.408 | 5.2 | 59 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 239.956 | 4.0 | 61 | 0.00 |
| 30 | C | Chloroform | 50.000 | 56.230 | -12.5# | 72 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 40.247 | 19.5 | 56 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 56.943 | -13.9 | 73 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 60.639 | -21.3# | 77 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 66 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 53.147 | -6.3 | 69 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 48.313 | 3.4 | 64 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 45.897 | 8.2 | 60 | 0.01 |
| 38 | T | Carbon Tetrachloride | 50.000 | 55.415 | -10.8 | 73 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 46.528 | 6.9 | 59 | 0.00 |
| 40 | TM | Benzene | 50.000 | 50.748 | -1.5 | 66 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 45.285 | 9.4 | 55 | -0.02 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 61.176 | -22.4# | 80 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 50.135 | -0.3 | 65 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 52.531 | -5.1 | 70 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 46.634 | 6.7# | 60 | 0.00 |

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Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Sep 02 02:15:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 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 | 53.484 | -7.0 | 69 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 56.701 | -13.4 | 74 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 54.465 | -8.9 | 73 | 0.00 |
| 49 | T | 1,4-Dioxane | 1000.000 | 1010.648 | -1.1 | 61 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 51.987 | -4.0 | 67 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 259.373 | -3.7 | 65 | 0.00 |
| 52 | CM | Toluene | 50.000 | 53.107 | -6.2# | 68 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 53.615 | -7.2 | 69 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 51.094 | -2.2 | 65 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 50.639 | -1.3 | 67 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 56.027 | -12.1 | 69 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 53.206 | -6.4 | 69 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 242.521 | 3.0 | 60 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 253.151 | -1.3 | 61 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 56.564 | -13.1 | 75 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 53.646 | -7.3 | 71 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 54.041 | -8.1 | 70 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 68 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 53.746 | -7.5 | 73 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 52.958 | -5.9 | 70 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 54.999 | -10.0 | 75 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 53.105 | -6.2# | 69 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 105.022 | -5.0 | 68 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 54.110 | -8.2 | 73 | 0.00 |
| 70 | T | Styrene | 50.000 | 54.244 | -8.5 | 71 | 0.00 |
| 71 | P | Bromoform | 50.000 | 56.465 | -12.9 | 76 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 71 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 52.036 | -4.1 | 72 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 47.951 | 4.1 | 64 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 46.696 | 6.6 | 66 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 55.722 | -11.4 | 78 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 52.812 | -5.6 | 73 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 48.380 | 3.2 | 67 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 50.055 | -0.1 | 70 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 51.877 | -3.8 | 71 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 46.923 | 6.2 | 64 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.095 | -0.2 | 69 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 51.837 | -3.7 | 72 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 52.950 | -5.9 | 73 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 49.486 | 1.0 | 68 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 51.660 | -3.3 | 71 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 51.572 | -3.1 | 72 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 50.472 | -0.9 | 72 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 48.438 | 3.1 | 66 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Sep 02 02:15:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 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 | 48.830 | 2.3 | 70 | 0.00 |
| 91 T | 1,2-Dichlorobenzene | 50.000 | 52.897 | -5.8 | 74 | 0.00 |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 55.895 | -11.8 | 82 | 0.00 |
| 93 T | 1,2,4-Trichlorobenzene | 50.000 | 53.578 | -7.2 | 74 | 0.00 |
| 94 T | Hexachlorobutadiene | 50.000 | 50.990 | -2.0 | 70 | 0.00 |
| 95 T | Naphthalene | 50.000 | 57.009 | -14.0 | 77 | 0.00 |
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 54.047 | -8.1 | 73 | 0.00 |

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