# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD021020\
Data File : VD065139.D
Acq On : 10 Feb 2020 18:10
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Feb 11 08:36:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 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 | 69 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 54.974 | -9.9 | 73 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 58.518 | -17.0 | 83 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 58.934 | -17.9# | 80 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 55.586 | -11.2 | 79 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 57.884 | -15.8 | 79 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 57.918 | -15.8 | 78 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 57.611 | -15.2 | 81 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 55.615 | -11.2 | 75 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 55.223 | -10.4 | 73 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 281.803 | -12.7 | 85 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 54.862 | -9.7# | 76 | 0.00 |
| 13 | T | Acrolein | 250.000 | 271.121 | -8.4 | 80 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 55.545 | -11.1 | 77 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 295.123 | -18.0 | 84 | 0.00 |
| 16 | T | Acetone | 250.000 | 304.569 | -21.8# | 88 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 55.716 | -11.4 | 76 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 57.955 | -15.9 | 86 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 57.383 | -14.8 | 81 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 60.786 | -21.6# | 81 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 57.257 | -14.5 | 81 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 60.041 | -20.1# | 83 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 275.724 | -10.3 | 75 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 58.285 | -16.6 | 82 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 300.816 | -20.3# | 87 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 56.017 | -12.0 | 75 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 57.552 | -15.1 | 80 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 61.516 | -23.0# | 88 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 299.090 | -19.6 | 86 | 0.00 |
| 30 | C | Chloroform | 50.000 | 59.689 | -19.4# | 83 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 52.939 | -5.9 | 75 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 56.730 | -13.5 | 78 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 56.564 | -13.1 | 76 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 71 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 58.772 | -17.5 | 78 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 57.031 | -14.1 | 78 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 57.407 | -14.8 | 84 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 57.347 | -14.7 | 79 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 54.896 | -9.8 | 74 | 0.00 |
| 40 | TM | Benzene | 50.000 | 58.500 | -17.0 | 81 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 48.765 | 2.5 | 69 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 58.280 | -16.6 | 82 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 58.000 | -16.0 | 82 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 57.133 | -14.3 | 80 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 60.781 | -21.6# | 84 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Feb 11 08:36:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 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 | 59.664 | -19.3 | 84 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 60.046 | -20.1# | 84 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 57.185 | -14.4 | 82 | 0.00 |
| 49 | T | 1,4-Dioxane | 1000.000 | 1157.603 | -15.8 | 83 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 57.986 | -16.0 | 76 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 300.437 | -20.2# | 85 | 0.00 |
| 52 | CM | Toluene | 50.000 | 58.966 | -17.9# | 81 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 58.374 | -16.7 | 81 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 59.531 | -19.1 | 83 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 60.857 | -21.7# | 86 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 60.121 | -20.2# | 83 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 60.399 | -20.8# | 85 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 270.845 | -8.3 | 63 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 317.204 | -26.9# | 87 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 60.742 | -21.5# | 85 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 58.130 | -16.3 | 82 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 57.569 | -15.1 | 76 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 74 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 70.383 | -40.8# | 101 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 57.091 | -14.2 | 82 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 58.738 | -17.5 | 83 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 57.576 | -15.2# | 81 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 115.903 | -15.9 | 81 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 58.235 | -16.5 | 81 | 0.00 |
| 70 | T | Styrene | 50.000 | 59.727 | -19.5 | 83 | 0.00 |
| 71 | P | Bromoform | 50.000 | 58.736 | -17.5 | 86 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 74 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 55.326 | -10.7 | 79 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 56.634 | -13.3 | 82 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 57.852 | -15.7 | 86 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 44.891 | 10.2 | 64 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 55.291 | -10.6 | 81 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 56.327 | -12.7 | 80 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 56.427 | -12.9 | 81 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 56.308 | -12.6 | 81 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 57.702 | -15.4 | 84 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 56.621 | -13.2 | 82 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 55.703 | -11.4 | 81 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 56.846 | -13.7 | 82 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 56.152 | -12.3 | 79 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 56.978 | -14.0 | 80 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 57.521 | -15.0 | 84 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 56.324 | -12.6 | 84 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 56.640 | -13.3 | 79 | 0.00 |

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**LabSampleId :** VSTDCCC050

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 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 | 57.057 | -14.1 | 82 | 0.00 |
| 91 T | 1,2-Dichlorobenzene | 50.000 | 56.469 | -12.9 | 83 | 0.00 |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 55.397 | -10.8 | 82 | 0.00 |
| 93 T | 1,2,4-Trichlorobenzene | 50.000 | 52.431 | -4.9 | 76 | 0.00 |
| 94 T | Hexachlorobutadiene | 50.000 | 51.254 | -2.5 | 75 | 0.00 |
| 95 T | Naphthalene | 50.000 | 54.503 | -9.0 | 81 | 0.00 |
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 53.375 | -6.8 | 80 | 0.00 |

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