# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD090320\
Data File : VD066552.D
Acq On : 03 Sep 2020 23:40
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 04 06:28:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 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 | 84 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 47.305 | 5.4 | 81 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 50.767 | -1.5 | 95 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 47.639 | 4.7# | 85 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 56.729 | -13.5 | 90 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 49.785 | 0.4 | 89 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 44.482 | 11.0 | 80 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 52.847 | -5.7 | 95 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 44.613 | 10.8 | 81 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 49.512 | 1.0 | 90 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 244.168 | 2.3 | 89 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 48.063 | 3.9# | 86 | 0.00 |
| 13 | T | Acrolein | 250.000 | 226.917 | 9.2 | 88 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 50.894 | -1.8 | 89 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 273.294 | -9.3 | 95 | 0.00 |
| 16 | T | Acetone | 250.000 | 225.396 | 9.8 | 81 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 48.860 | 2.3 | 87 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 60.446 | -20.9# | 112 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 54.483 | -9.0 | 93 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 55.223 | -10.4 | 93 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 51.314 | -2.6 | 89 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 56.402 | -12.8 | 95 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 274.449 | -9.8 | 90 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 51.646 | -3.3 | 91 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 259.767 | -3.9 | 93 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 44.375 | 11.3 | 80 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 54.145 | -8.3 | 95 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 56.938 | -13.9 | 96 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 283.146 | -13.3 | 97 | 0.00 |
| 30 | C | Chloroform | 50.000 | 53.125 | -6.3# | 94 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 45.062 | 9.9 | 81 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 47.617 | 4.8 | 87 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 56.365 | -12.7 | 101 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 91 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 52.514 | -5.0 | 101 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 46.453 | 7.1 | 86 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 50.769 | -1.5 | 93 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 46.239 | 7.5 | 86 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 45.378 | 9.2 | 80 | 0.00 |
| 40 | TM | Benzene | 50.000 | 49.133 | 1.7 | 92 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 59.095 | -18.2 | 96 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 48.762 | 2.5 | 93 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 51.407 | -2.8 | 95 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 48.680 | 2.6 | 91 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 50.752 | -1.5# | 96 | 0.00 |

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

Quant Time: Sep 04 06:28:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
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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 | 50.539 | -1.1 | 97 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 48.579 | 2.8 | 92 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 48.215 | 3.6 | 88 | 0.00 |
| 49 | T | 1,4-Dioxane | 1000.000 | 995.916 | 0.4 | 90 | -0.01 |
| 50 | S | Toluene-d8 | 50.000 | 55.045 | -10.1 | 102 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 265.371 | -6.1 | 97 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.246 | -2.5# | 94 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 50.855 | -1.7 | 93 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 50.016 | -0.0 | 94 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 51.059 | -2.1 | 98 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 54.982 | -10.0 | 97 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 52.463 | -4.9 | 97 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 258.480 | -3.4 | 96 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 264.644 | -5.9 | 94 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 51.170 | -2.3 | 97 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 50.304 | -0.6 | 94 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 56.321 | -12.6 | 107 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 96 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 45.090 | 9.8 | 91 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 48.076 | 3.8 | 95 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 48.107 | 3.8 | 95 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 47.988 | 4.0# | 92 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 98.369 | 1.6 | 92 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 49.190 | 1.6 | 92 | 0.00 |
| 70 | T | Styrene | 50.000 | 51.069 | -2.1 | 96 | 0.00 |
| 71 | P | Bromoform | 50.000 | 48.719 | 2.6 | 97 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 97 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 48.094 | 3.8 | 91 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 48.219 | 3.6 | 93 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 47.136 | 5.7 | 94 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 42.490 | 15.0 | 79 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 49.063 | 1.9 | 97 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 48.566 | 2.9 | 91 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 48.775 | 2.5 | 94 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 48.712 | 2.6 | 92 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 47.088 | 5.8 | 96 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 48.671 | 2.7 | 95 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 47.867 | 4.3 | 91 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 49.938 | 0.1 | 95 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 46.809 | 6.4 | 88 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 48.269 | 3.5 | 90 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 48.058 | 3.9 | 97 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 46.695 | 6.6 | 93 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 47.350 | 5.3 | 89 | 0.00 |

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Response via : Initial Calibration

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Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 90 T | Hexachloroethane | 50.000 | 46.233 | 7.5 | 91 | 0.00 |
| 91 T | 1,2-Dichlorobenzene | 50.000 | 47.357 | 5.3 | 95 | 0.00 |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 46.660 | 6.7 | 97 | 0.00 |
| 93 T | 1,2,4-Trichlorobenzene | 50.000 | 48.235 | 3.5 | 93 | 0.00 |
| 94 T | Hexachlorobutadiene | 50.000 | 42.974 | 14.1 | 83 | 0.00 |
| 95 T | Naphthalene | 50.000 | 51.383 | -2.8 | 95 | 0.00 |
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 50.339 | -0.7 | 96 | 0.00 |

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