# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD112420\
Data File : VD067759.D
Acq On : 24 Nov 2020 10:29
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: Nov 25 02:14:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 24 00:51:35 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 | 106 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 47.579 | 4.8 | 98 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 46.382 | 7.2 | 99 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 47.251 | 5.5# | 103 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 46.491 | 7.0 | 105 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 45.311 | 9.4 | 101 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 45.833 | 8.3 | 98 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 42.200 | 15.6 | 97 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 44.894 | 10.2 | 100 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 48.543 | 2.9 | 96 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 217.989 | 12.8 | 101 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 43.259 | 13.5# | 95 | 0.00 |
| 13 | T | Acrolein | 250.000 | 206.305 | 17.5 | 95 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 45.090 | 9.8 | 96 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 210.500 | 15.8 | 92 | 0.00 |
| 16 | T | Acetone | 250.000 | 262.672 | -5.1 | 113 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 44.789 | 10.4 | 96 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 41.607 | 16.8 | 94 | -0.01 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 43.274 | 13.5 | 93 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 40.228 | 19.5 | 90 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 45.210 | 9.6 | 99 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 44.270 | 11.5 | 92 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 230.975 | 7.6 | 95 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 45.568 | 8.9 | 97 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 225.544 | 9.8 | 102 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 44.992 | 10.0 | 99 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 44.410 | 11.2 | 97 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 47.937 | 4.1 | 102 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 220.258 | 11.9 | 92 | 0.00 |
| 30 | C | Chloroform | 50.000 | 43.232 | 13.5# | 96 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 41.835 | 16.3 | 94 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 43.653 | 12.7 | 96 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 46.951 | 6.1 | 100 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 102 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 49.551 | 0.9 | 100 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 48.760 | 2.5 | 101 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 43.826 | 12.3 | 90 | -0.01 |
| 38 | T | Carbon Tetrachloride | 50.000 | 46.696 | 6.6 | 96 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 48.401 | 3.2 | 96 | 0.00 |
| 40 | TM | Benzene | 50.000 | 46.159 | 7.7 | 96 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 57.108 | -14.2 | 111 | 0.01 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 45.433 | 9.1 | 96 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 45.824 | 8.4 | 95 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 46.346 | 7.3 | 97 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 45.255 | 9.5# | 97 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 46 | T | Dibromomethane | 50.000 | 45.862 | 8.3 | 97 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 46.104 | 7.8 | 95 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 44.039 | 11.9 | 94 | 0.00 |
| 49 | T | 1,4-Dioxane | 1000.000 | 897.988 | 10.2 | 94 | -0.01 |
| 50 | S | Toluene-d8 | 50.000 | 50.881 | -1.8 | 103 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 231.234 | 7.5 | 95 | 0.00 |
| 52 | CM | Toluene | 50.000 | 47.448 | 5.1# | 97 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 46.048 | 7.9 | 95 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 47.359 | 5.3 | 100 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 43.988 | 12.0 | 93 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 45.809 | 8.4 | 94 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 46.392 | 7.2 | 100 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 267.438 | -7.0 | 101 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 248.468 | 0.6 | 102 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 45.148 | 9.7 | 95 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 45.792 | 8.4 | 95 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 48.735 | 2.5 | 100 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 101 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 44.744 | 10.5 | 94 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 46.766 | 6.5 | 95 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 48.242 | 3.5 | 99 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 47.648 | 4.7# | 95 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 96.283 | 3.7 | 97 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 48.121 | 3.8 | 96 | 0.00 |
| 70 | T | Styrene | 50.000 | 48.445 | 3.1 | 97 | 0.00 |
| 71 | P | Bromoform | 50.000 | 45.743 | 8.5 | 97 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 101 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.101 | 1.8 | 97 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 44.496 | 11.0 | 90 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 45.595 | 8.8 | 98 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 51.800 | -3.6 | 108 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 46.675 | 6.7 | 95 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 49.337 | 1.3 | 97 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 47.722 | 4.6 | 96 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 48.653 | 2.7 | 95 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 47.532 | 4.9 | 97 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 47.603 | 4.8 | 96 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 49.920 | 0.2 | 97 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 47.799 | 4.4 | 94 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 48.151 | 3.7 | 95 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 48.575 | 2.8 | 96 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 45.810 | 8.4 | 97 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 45.729 | 8.5 | 94 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 48.162 | 3.7 | 95 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 90 T | Hexachloroethane | 50.000 | 47.318 | 5.4 | 97 | 0.00 |
| 91 T | 1,2-Dichlorobenzene | 50.000 | 46.013 | 8.0 | 95 | 0.00 |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 40.522 | 19.0 | 85 | 0.00 |
| 93 T | 1,2,4-Trichlorobenzene | 50.000 | 46.235 | 7.5 | 92 | 0.00 |
| 94 T | Hexachlorobutadiene | 50.000 | 47.955 | 4.1 | 97 | 0.00 |
| 95 T | Naphthalene | 50.000 | 45.768 | 8.5 | 91 | 0.00 |
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 46.146 | 7.7 | 91 | 0.00 |

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