# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042221\
Data File : VX021834.D
Acq On : 22 Apr 2021 21:52
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** MSVOA_X
**LabSampleId :** VSTDCCC050

Quant Time: Apr 23 07:47:39 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042021W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 20 13:46:22 2021
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 | 98 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 50.956 | -1.9 | 98 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 41.388 | 17.2 | 81 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 48.560 | 2.9# | 92 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 29.019 | 42.0# | 56 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 49.796 | 0.4 | 99 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 54.292 | -8.6 | 104 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 52.903 | -5.8 | 101 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 52.136 | -4.3 | 102 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 28.068 | 43.9# | 54 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 252.906 | -1.2 | 100 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 54.067 | -8.1# | 104 | 0.00 |
| 13 | T | Acrolein | 250.000 | 225.592 | 9.8 | 93 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 51.539 | -3.1 | 100 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 276.357 | -10.5 | 104 | 0.00 |
| 16 | T | Acetone | 250.000 | 276.667 | -10.7 | 107 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 50.729 | -1.5 | 98 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 57.167 | -14.3 | 110 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 53.586 | -7.2 | 103 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 48.629 | 2.7 | 102 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 52.051 | -4.1 | 103 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 52.337 | -4.7 | 102 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 269.199 | -7.7 | 102 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 52.838 | -5.7 | 102 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 277.703 | -11.1 | 105 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 43.516 | 13.0 | 89 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 54.047 | -8.1 | 105 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 51.300 | -2.6 | 106 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 277.203 | -10.9 | 105 | 0.00 |
| 30 | C | Chloroform | 50.000 | 52.173 | -4.3# | 104 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 51.129 | -2.3 | 102 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 52.995 | -6.0 | 104 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 50.420 | -0.8 | 104 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 103 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 48.987 | 2.0 | 107 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 49.219 | 1.6 | 99 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 51.661 | -3.3 | 104 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 50.229 | -0.5 | 103 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 46.639 | 6.7 | 96 | 0.00 |
| 40 | TM | Benzene | 50.000 | 50.980 | -2.0 | 103 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 50.456 | -0.9 | 104 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 51.113 | -2.2 | 101 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 50.251 | -0.5 | 104 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.312 | -0.6 | 100 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 48.948 | 2.1# | 100 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 50.323 | -0.6 | 101 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 49.700 | 0.6 | 101 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 51.309 | -2.6 | 103 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 1022.412 | -2.2 | 99 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 47.772 | 4.5 | 102 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 263.081 | -5.2 | 105 | 0.00 |
| 52 | CM | Toluene | 50.000 | 50.816 | -1.6# | 101 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 47.703 | 4.6 | 95 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 48.949 | 2.1 | 97 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 51.421 | -2.8 | 103 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 50.905 | -1.8 | 102 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 51.168 | -2.3 | 101 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 263.792 | -5.5 | 100 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 265.620 | -6.2 | 104 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 49.912 | 0.2 | 99 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 51.809 | -3.6 | 104 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 48.441 | 3.1 | 103 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 104 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 44.088 | 11.8 | 93 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 48.809 | 2.4 | 100 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 49.403 | 1.2 | 101 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 48.993 | 2.0# | 101 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 97.078 | 2.9 | 99 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 48.532 | 2.9 | 100 | 0.00 |
| 70 | T | Styrene | 50.000 | 49.398 | 1.2 | 100 | 0.00 |
| 71 | P | Bromoform | 50.000 | 46.738 | 6.5 | 94 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 101 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.642 | 0.7 | 100 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 49.636 | 0.7 | 100 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 53.127 | -6.3 | 104 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 45.465 | 9.1 | 99 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 48.578 | 2.8 | 98 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 50.572 | -1.1 | 101 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 50.479 | -1.0 | 100 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 49.331 | 1.3 | 100 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 42.572 | 14.9 | 87 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.924 | -1.8 | 101 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.313 | -0.6 | 101 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 49.095 | 1.8 | 99 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 49.539 | 0.9 | 100 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 49.048 | 1.9 | 98 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.371 | 1.3 | 97 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.342 | 1.3 | 98 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 49.480 | 1.0 | 98 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 48.648 | 2.7 | 95 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.810 | 0.4 | 99 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 50.923 | -1.8 | 102 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 48.221 | 3.6 | 96 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 39.084 | 21.8 | 78 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 53.592 | -7.2 | 105 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 50.491 | -1.0 | 99 | 0.00 |

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