# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111721\
Data File : VX025200.D
Acq On : 17 Nov 2021 20:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Nov 18 06:28:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 17 15:36:16 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 | 94 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 52.857 | -5.7 | 88 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 46.985 | 6.0 | 86 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 48.838 | 2.3# | 88 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 45.651 | 8.7 | 85 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 44.412 | 11.2 | 88 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 49.142 | 1.7 | 90 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 45.959 | 8.1 | 87 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 47.737 | 4.5 | 90 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 50.305 | -0.6 | 87 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 248.670 | 0.5 | 91 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 46.838 | 6.3# | 88 | 0.00 |
| 13 | T | Acrolein | 250.000 | 230.824 | 7.7 | 84 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 44.660 | 10.7 | 88 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 244.482 | 2.2 | 91 | 0.00 |
| 16 | T | Acetone | 250.000 | 201.507 | 19.4 | 76 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 44.481 | 11.0 | 87 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 46.541 | 6.9 | 91 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 46.706 | 6.6 | 89 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 44.581 | 10.8 | 91 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 46.282 | 7.4 | 89 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 46.565 | 6.9 | 89 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 235.373 | 5.9 | 89 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 46.967 | 6.1 | 90 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 230.640 | 7.7 | 86 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 44.082 | 11.8 | 83 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 46.457 | 7.1 | 88 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 47.841 | 4.3 | 89 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 236.144 | 5.5 | 90 | 0.00 |
| 30 | C | Chloroform | 50.000 | 46.945 | 6.1# | 90 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 45.922 | 8.2 | 88 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 46.775 | 6.5 | 89 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 48.896 | 2.2 | 94 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 94 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 49.871 | 0.3 | 95 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 46.219 | 7.6 | 88 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 47.701 | 4.6 | 91 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 47.316 | 5.4 | 89 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 45.936 | 8.1 | 86 | 0.00 |
| 40 | TM | Benzene | 50.000 | 46.729 | 6.5 | 89 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 46.578 | 6.8 | 92 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 47.547 | 4.9 | 90 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 46.919 | 6.2 | 89 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 46.562 | 6.9 | 88 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 47.608 | 4.8# | 89 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 47.192 | 5.6 | 89 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 47.570 | 4.9 | 90 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 46.076 | 7.8 | 89 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Nov 18 06:28:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 17 15:36:16 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) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 1000.677 | -0.1 | 91 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 50.120 | -0.2 | 94 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 241.876 | 3.2 | 91 | 0.00 |
| 52 | CM | Toluene | 50.000 | 46.798 | 6.4# | 89 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 47.154 | 5.7 | 89 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 46.525 | 7.0 | 87 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 48.032 | 3.9 | 90 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 47.910 | 4.2 | 90 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 47.413 | 5.2 | 90 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 231.637 | 7.3 | 89 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 238.736 | 4.5 | 88 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 47.350 | 5.3 | 89 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 47.525 | 5.0 | 90 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 49.552 | 0.9 | 96 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 95 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 46.905 | 6.2 | 89 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 47.132 | 5.7 | 90 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 47.406 | 5.2 | 90 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 47.308 | 5.4# | 89 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 93.334 | 6.7 | 89 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 46.553 | 6.9 | 88 | 0.00 |
| 70 | T | Styrene | 50.000 | 47.187 | 5.6 | 89 | 0.00 |
| 71 | P | Bromoform | 50.000 | 48.048 | 3.9 | 90 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 95 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 46.090 | 7.8 | 90 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 45.880 | 8.2 | 89 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 46.161 | 7.7 | 90 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 46.966 | 6.1 | 89 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 45.424 | 9.2 | 88 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 46.252 | 7.5 | 87 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 45.282 | 9.4 | 89 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 45.828 | 8.3 | 89 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 45.540 | 8.9 | 86 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 45.344 | 9.3 | 88 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 45.508 | 9.0 | 89 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 46.335 | 7.3 | 89 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 46.788 | 6.4 | 89 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 46.161 | 7.7 | 88 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 46.199 | 7.6 | 88 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 45.665 | 8.7 | 89 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 45.107 | 9.8 | 86 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 46.381 | 7.2 | 89 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 46.552 | 6.9 | 90 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 50.138 | -0.3 | 92 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 49.904 | 0.2 | 87 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 44.564 | 10.9 | 87 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 48.757 | 2.5 | 89 | 0.00 |

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Nov 18 06:28:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 17 15:36:16 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) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.074 | -2.1 | 90 | 0.00 |

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