# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050522\
Data File : VX028537.D
Acq On : 05 May 2022 16:37
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC020

Quant Time: May 06 02:27:40 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X042822W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 29 06:09:36 2022
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 | Bromochloromethane | 30.000 | 30.000 | 0.0 | 77 | 0.00 |
| 2 | M | Dichlorodifluoromethane | 20.000 | 19.222 | 3.9 | 73 | 0.00 |
| 3 | M | Chloromethane | 20.000 | 20.565 | -2.8 | 79 | 0.00 |
| 4 | M | Vinyl Chloride | 20.000 | 21.296 | -6.5 | 82 | 0.00 |
| 5 | M | Bromomethane | 20.000 | 16.264 | 18.7 | 64 | 0.00 |
| 6 | M | Chloroethane | 20.000 | 22.254 | -11.3 | 87 | 0.00 |
| 7 | M | Trichlorofluoromethane | 20.000 | 21.159 | -5.8 | 83 | 0.00 |
| 8 | T | Diethyl Ether | 20.000 | 21.275 | -6.4 | 84 | 0.00 |
| 9 | | 1,1,2-Trichlorotrifluoroeth | 20.000 | 20.126 | -0.6 | 82 | 0.00 |
| 10 | M | 1,1-Dichloroethene | 20.000 | 19.633 | 1.8 | 80 | 0.00 |
| 11 | | Methyl Iodide | 20.000 | 11.477 | 42.6# | 49 | 0.00 |
| 12 | | Methyl Acetate | 20.000 | 19.724 | 1.4 | 76 | 0.00 |
| 13 | M | Acrolein | 100.000 | 94.639 | 5.4 | 77 | 0.00 |
| 14 | M | Acrylonitrile | 100.000 | 99.142 | 0.9 | 76 | 0.00 |
| 15 | M | Acetone | 100.000 | 95.637 | 4.4 | 73 | 0.00 |
| 16 | M | Carbon Disulfide | 20.000 | 23.416 | -17.1 | 99 | 0.00 |
| 17 | | Allyl chloride | 20.000 | 19.315 | 3.4 | 77 | 0.00 |
| 18 | M | Methylene Chloride | 20.000 | 20.108 | -0.5 | 80 | 0.00 |
| 19 | M | trans-1,2-Dichloroethene | 20.000 | 20.230 | -1.2 | 80 | 0.00 |
| 20 | T | Diisopropyl ether | 20.000 | 20.565 | -2.8 | 80 | 0.00 |
| 21 | M | 1,1-Dichloroethane | 20.000 | 20.394 | -2.0 | 80 | 0.00 |
| 22 | M | cis-1,2-Dichloroethene | 20.000 | 19.958 | 0.2 | 79 | 0.00 |
| 23 | M | tert-Butyl Alcohol | 100.000 | 79.409 | 20.6 | 62 | 0.00 |
| 24 | M | Methyl tert-Butyl Ether | 20.000 | 19.672 | 1.6 | 77 | 0.00 |
| 25 | M | Chloroform | 20.000 | 20.954 | -4.8 | 83 | 0.00 |
| 26 | | Cyclohexane | 20.000 | 20.814 | -4.1 | 81 | 0.00 |
| 27 | s | 1,2-Dichloroethane-d4 | 30.000 | 31.930 | -6.4 | 81 | 0.00 |
| 28 | I | 1,4-Difluorobenzene | 30.000 | 30.000 | 0.0 | 75 | 0.00 |
| 29 | | 1,1-Dichloropropene | 20.000 | 21.059 | -5.3 | 81 | 0.00 |
| 30 | M | 2-Butanone | 100.000 | 99.380 | 0.6 | 74 | 0.00 |
| 31 | | 2,2-Dichloropropane | 20.000 | 18.708 | 6.5 | 74 | 0.00 |
| 32 | M | 1,1,1-Trichloroethane | 20.000 | 20.876 | -4.4 | 82 | 0.00 |
| 33 | M | Carbon Tetrachloride | 20.000 | 20.758 | -3.8 | 82 | 0.00 |
| 34 | M | Benzene | 20.000 | 21.136 | -5.7 | 81 | 0.00 |
| 35 | | Methacrylonitrile | 20.000 | 20.115 | -0.6 | 75 | 0.00 |
| 36 | M | 1,2-Dichloroethane | 20.000 | 21.330 | -6.6 | 81 | 0.00 |
| 37 | M | Trichloroethene | 20.000 | 20.399 | -2.0 | 80 | 0.00 |
| 38 | | Methylcyclohexane | 20.000 | 21.674 | -8.4 | 83 | 0.00 |
| 39 | M | 1,2-Dichloropropane | 20.000 | 21.291 | -6.5 | 82 | 0.00 |
| 40 | | Dibromomethane | 20.000 | 21.549 | -7.7 | 82 | 0.00 |
| 41 | M | Bromodichloromethane | 20.000 | 21.986 | -9.9 | 89 | 0.00 |
| 42 | M | Vinyl Acetate | 100.000 | 105.849 | -5.8 | 80 | 0.00 |
| 43 | | Ethyl Acetate | 20.000 | 20.145 | -0.7 | 76 | 0.00 |
| 44 | | Isopropyl Acetate | 20.000 | 20.086 | -0.4 | 78 | 0.00 |
| 45 | T | 1,4-Dioxane | 400.000 | 366.173 | 8.5 | 68 | 0.00 |
| 46 | | Methyl methacrylate | 20.000 | 20.306 | -1.5 | 79 | 0.00 |
| 47 | | n-amyl Acetate | 20.000 | 19.830 | 0.9 | 79 | 0.00 |
| 48 | M | t-1,3-Dichloropropene | 20.000 | 19.759 | 1.2 | 82 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050522\
Data File : VX028537.D
Acq On : 05 May 2022 16:37
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC020

Quant Time: May 06 02:27:40 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X042822W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 29 06:09:36 2022
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 | cis-1,3-Dichloropropene | 20.000 | 20.284 | -1.4 | 81 | 0.00 |
| 50 | M | 1,1,2-Trichloroethane | 20.000 | 21.328 | -6.6 | 83 | 0.00 |
| 51 | | Ethyl methacrylate | 20.000 | 20.209 | -1.0 | 80 | 0.00 |
| 52 | | 1,3-Dichloropropane | 20.000 | 21.331 | -6.7 | 82 | 0.00 |
| 53 | M | Dibromochloromethane | 20.000 | 21.229 | -6.1 | 88 | 0.00 |
| 54 | M | 1,2-Dibromoethane | 20.000 | 20.995 | -5.0 | 81 | 0.00 |
| 55 | M | 2-Chloroethyl vinyl ether | 100.000 | 98.933 | 1.1 | 78 | 0.00 |
| 56 | M | Bromoform | 20.000 | 20.292 | -1.5 | 91 | 0.00 |
| 57 | I | Chlorobenzene-d5 | 30.000 | 30.000 | 0.0 | 79 | 0.00 |
| 58 | M | 4-Methyl-2-Pentanone | 100.000 | 102.363 | -2.4 | 78 | 0.00 |
| 59 | M | 2-Hexanone | 100.000 | 100.060 | -0.1 | 76 | 0.00 |
| 60 | S | 4-Bromofluorobenzene | 30.000 | 29.999 | 0.0 | 79 | 0.00 |
| 61 | M | Tetrachloroethene | 20.000 | 20.372 | -1.9 | 81 | 0.00 |
| 62 | M | Toluene | 20.000 | 20.746 | -3.7 | 82 | 0.00 |
| 63 | S | Toluene-d8 | 30.000 | 30.569 | -1.9 | 79 | 0.00 |
| 64 | M | Chlorobenzene | 20.000 | 20.648 | -3.2 | 82 | 0.00 |
| 65 | | 1,1,1,2-Tetrachloroethane | 20.000 | 20.254 | -1.3 | 83 | 0.00 |
| 66 | M | Ethyl Benzene | 20.000 | 20.695 | -3.5 | 82 | 0.00 |
| 67 | M | m/p-Xylenes | 40.000 | 41.291 | -3.2 | 82 | 0.00 |
| 68 | M | o-Xylene | 20.000 | 20.278 | -1.4 | 81 | 0.00 |
| 69 | M | Styrene | 20.000 | 20.211 | -1.1 | 81 | 0.00 |
| 70 | | Isopropylbenzene | 20.000 | 20.888 | -4.4 | 82 | 0.00 |
| 71 | M | 1,1,2,2-Tetrachloroethane | 20.000 | 21.186 | -5.9 | 83 | 0.00 |
| 72 | | 1,2,3-Trichloropropane | 20.000 | 20.428 | -2.1 | 80 | 0.00 |
| 73 | | Bromobenzene | 20.000 | 19.566 | 2.2 | 80 | 0.00 |
| 74 | | n-propylbenzene | 20.000 | 21.355 | -6.8 | 86 | 0.00 |
| 75 | | 2-Chlorotoluene | 20.000 | 20.663 | -3.3 | 82 | 0.00 |
| 76 | | 1,3,5-Trimethylbenzene | 20.000 | 20.942 | -4.7 | 83 | 0.00 |
| 77 | | t-1,4-Dichloro-2-butene | 20.000 | 16.248 | 18.8 | 75 | 0.00 |
| 78 | | 4-Chlorotoluene | 20.000 | 20.806 | -4.0 | 84 | 0.00 |
| 79 | | tert-butylbenzene | 20.000 | 20.501 | -2.5 | 84 | 0.00 |
| 80 | | 1,2,4-Trimethylbenzene | 20.000 | 20.548 | -2.7 | 82 | 0.00 |
| 81 | | sec-Butylbenzene | 20.000 | 21.453 | -7.3 | 87 | 0.00 |
| 82 | | p-Isopropyltoluene | 20.000 | 21.144 | -5.7 | 86 | 0.00 |
| 83 | M | 1,3-Dichlorobenzene | 20.000 | 20.289 | -1.4 | 83 | 0.00 |
| 84 | M | 1,4-Dichlorobenzene | 20.000 | 19.768 | 1.2 | 81 | 0.00 |
| 85 | | n-Butylbenzene | 20.000 | 21.155 | -5.8 | 88 | 0.00 |
| 86 | T | Hexachloroethane | 20.000 | 19.747 | 1.3 | 88 | 0.00 |
| 87 | M | 1,2-Dichlorobenzene | 20.000 | 20.457 | -2.3 | 83 | 0.00 |
| 88 | | 1,2-Dibromo-3-Chloropropane | 20.000 | 19.326 | 3.4 | 80 | 0.00 |
| 89 | | 1,2,4-Trichlorobenzene | 20.000 | 19.568 | 2.2 | 83 | 0.00 |
| 90 | | Hexachlorobutadiene | 20.000 | 19.677 | 1.6 | 83 | 0.00 |
| 91 | M | Naphthalene | 20.000 | 19.141 | 4.3 | 78 | 0.00 |
| 92 | | 1,2,3-Trichlorobenzene | 20.000 | 19.903 | 0.5 | 84 | 0.00 |

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