# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111022\
Data File : VX032758.D
Acq On : 11 Nov 2022 06:00
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 48 Sample Multiplier: 1

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

Quant Time: Nov 11 06:49:48 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 11 05:24:06 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 | 95 | 0.00 |
| 2 | M | Dichlorodifluoromethane | 20.000 | 21.449 | -7.2 | 95 | 0.00 |
| 3 | M | Chloromethane | 20.000 | 21.853 | -9.3 | 99 | 0.00 |
| 4 | M | Vinyl Chloride | 20.000 | 21.307 | -6.5 | 96 | 0.00 |
| 5 | M | Bromomethane | 20.000 | 20.583 | -2.9 | 96 | 0.00 |
| 6 | M | Chloroethane | 20.000 | 22.301 | -11.5 | 105 | 0.00 |
| 7 | M | Trichlorofluoromethane | 20.000 | 21.299 | -6.5 | 97 | 0.00 |
| 8 | T | Diethyl Ether | 20.000 | 21.166 | -5.8 | 98 | 0.00 |
| 9 | | 1,1,2-Trichlorotrifluoroeth | 20.000 | 21.266 | -6.3 | 98 | 0.00 |
| 10 | M | 1,1-Dichloroethene | 20.000 | 20.772 | -3.9 | 97 | 0.00 |
| 11 | | Methyl Iodide | 20.000 | 21.002 | -5.0 | 107 | 0.00 |
| 12 | | Methyl Acetate | 20.000 | 20.935 | -4.7 | 97 | 0.00 |
| 13 | M | Acrolein | 100.000 | 102.342 | -2.3 | 100 | 0.00 |
| 14 | M | Acrylonitrile | 100.000 | 106.944 | -6.9 | 101 | 0.00 |
| 15 | M | Acetone | 100.000 | 111.394 | -11.4 | 102 | 0.00 |
| 16 | M | Carbon Disulfide | 20.000 | 20.664 | -3.3 | 99 | 0.00 |
| 17 | | Allyl chloride | 20.000 | 20.469 | -2.3 | 98 | 0.00 |
| 18 | M | Methylene Chloride | 20.000 | 21.343 | -6.7 | 99 | 0.00 |
| 19 | M | trans-1,2-Dichloroethene | 20.000 | 21.046 | -5.2 | 100 | 0.00 |
| 20 | T | Diisopropyl ether | 20.000 | 20.514 | -2.6 | 98 | 0.00 |
| 21 | M | 1,1-Dichloroethane | 20.000 | 20.958 | -4.8 | 97 | 0.00 |
| 22 | M | cis-1,2-Dichloroethene | 20.000 | 20.386 | -1.9 | 97 | 0.00 |
| 23 | M | tert-Butyl Alcohol | 100.000 | 128.996 | -29.0# | 109 | 0.00 |
| 24 | M | Methyl tert-Butyl Ether | 20.000 | 20.882 | -4.4 | 100 | 0.00 |
| 25 | M | Chloroform | 20.000 | 20.686 | -3.4 | 99 | 0.00 |
| 26 | | Cyclohexane | 20.000 | 21.165 | -5.8 | 100 | 0.00 |
| 27 | s | 1,2-Dichloroethane-d4 | 30.000 | 30.209 | -0.7 | 95 | 0.00 |
| 28 | I | 1,4-Difluorobenzene | 30.000 | 30.000 | 0.0 | 95 | 0.00 |
| 29 | | 1,1-Dichloropropene | 20.000 | 20.863 | -4.3 | 98 | 0.00 |
| 30 | M | 2-Butanone | 100.000 | 109.305 | -9.3 | 103 | 0.00 |
| 31 | | 2,2-Dichloropropane | 20.000 | 18.179 | 9.1 | 86 | 0.00 |
| 32 | M | 1,1,1-Trichloroethane | 20.000 | 20.823 | -4.1 | 98 | 0.00 |
| 33 | M | Carbon Tetrachloride | 20.000 | 21.156 | -5.8 | 101 | 0.00 |
| 34 | M | Benzene | 20.000 | 21.086 | -5.4 | 99 | 0.00 |
| 35 | | Methacrylonitrile | 20.000 | 20.628 | -3.1 | 98 | -0.01 |
| 36 | M | 1,2-Dichloroethane | 20.000 | 21.545 | -7.7 | 99 | 0.00 |
| 37 | M | Trichloroethene | 20.000 | 21.167 | -5.8 | 99 | 0.00 |
| 38 | | Methylcyclohexane | 20.000 | 21.110 | -5.5 | 99 | 0.00 |
| 39 | M | 1,2-Dichloropropane | 20.000 | 20.577 | -2.9 | 97 | 0.00 |
| 40 | | Dibromomethane | 20.000 | 21.042 | -5.2 | 98 | 0.00 |
| 41 | M | Bromodichloromethane | 20.000 | 20.569 | -2.8 | 99 | 0.00 |
| 42 | M | Vinyl Acetate | 100.000 | 105.349 | -5.3 | 100 | 0.00 |
| 43 | | Ethyl Acetate | 20.000 | 21.135 | -5.7 | 97 | 0.00 |
| 44 | | Isopropyl Acetate | 20.000 | 21.338 | -6.7 | 102 | 0.00 |
| 45 | T | 1,4-Dioxane | 400.000 | 472.625 | -18.2 | 110 | 0.00 |
| 46 | | Methyl methacrylate | 20.000 | 21.743 | -8.7 | 103 | 0.00 |
| 47 | | n-amyl Acetate | 20.000 | 21.185 | -5.9 | 101 | 0.00 |
| 48 | M | t-1,3-Dichloropropene | 20.000 | 19.331 | 3.3 | 95 | 0.00 |

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Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 48 Sample Multiplier: 1

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

Quant Time: Nov 11 06:49:48 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 11 05:24:06 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 | 20.238 | -1.2 | 98 | 0.00 |
| 50 | M | 1,1,2-Trichloroethane | 20.000 | 21.382 | -6.9 | 103 | 0.00 |
| 51 | | Ethyl methacrylate | 20.000 | 21.032 | -5.2 | 101 | 0.00 |
| 52 | | 1,3-Dichloropropane | 20.000 | 21.150 | -5.7 | 98 | 0.00 |
| 53 | M | Dibromochloromethane | 20.000 | 20.188 | -0.9 | 99 | 0.00 |
| 54 | M | 1,2-Dibromoethane | 20.000 | 21.229 | -6.1 | 103 | 0.00 |
| 55 | M | 2-Chloroethyl vinyl ether | 100.000 | 102.831 | -2.8 | 98 | 0.00 |
| 56 | M | Bromoform | 20.000 | 20.062 | -0.3 | 100 | 0.00 |
| 57 | I | Chlorobenzene-d5 | 30.000 | 30.000 | 0.0 | 94 | 0.00 |
| 58 | M | 4-Methyl-2-Pentanone | 100.000 | 108.342 | -8.3 | 99 | 0.00 |
| 59 | M | 2-Hexanone | 100.000 | 111.983 | -12.0 | 102 | 0.00 |
| 60 | S | 4-Bromofluorobenzene | 30.000 | 30.166 | -0.6 | 97 | 0.00 |
| 61 | M | Tetrachloroethene | 20.000 | 20.824 | -4.1 | 100 | 0.00 |
| 62 | M | Toluene | 20.000 | 20.905 | -4.5 | 99 | 0.00 |
| 63 | S | Toluene-d8 | 30.000 | 30.680 | -2.3 | 97 | 0.00 |
| 64 | M | Chlorobenzene | 20.000 | 21.332 | -6.7 | 101 | 0.00 |
| 65 | | 1,1,1,2-Tetrachloroethane | 20.000 | 21.190 | -6.0 | 100 | 0.00 |
| 66 | M | Ethyl Benzene | 20.000 | 21.308 | -6.5 | 101 | 0.00 |
| 67 | M | m/p-Xylenes | 40.000 | 41.866 | -4.7 | 100 | 0.00 |
| 68 | M | o-Xylene | 20.000 | 20.894 | -4.5 | 99 | 0.00 |
| 69 | M | Styrene | 20.000 | 20.672 | -3.4 | 98 | 0.00 |
| 70 | | Isopropylbenzene | 20.000 | 20.927 | -4.6 | 99 | 0.00 |
| 71 | M | 1,1,2,2-Tetrachloroethane | 20.000 | 21.513 | -7.6 | 100 | 0.00 |
| 72 | | 1,2,3-Trichloropropane | 20.000 | 22.250 | -11.3 | 101 | 0.00 |
| 73 | | Bromobenzene | 20.000 | 21.059 | -5.3 | 100 | 0.00 |
| 74 | | n-propylbenzene | 20.000 | 20.909 | -4.5 | 99 | 0.00 |
| 75 | | 2-Chlorotoluene | 20.000 | 21.443 | -7.2 | 101 | 0.00 |
| 76 | | 1,3,5-Trimethylbenzene | 20.000 | 21.070 | -5.4 | 100 | 0.00 |
| 77 | | t-1,4-Dichloro-2-butene | 20.000 | 18.634 | 6.8 | 94 | 0.00 |
| 78 | | 4-Chlorotoluene | 20.000 | 21.353 | -6.8 | 102 | 0.00 |
| 79 | | tert-butylbenzene | 20.000 | 21.234 | -6.2 | 102 | 0.00 |
| 80 | | 1,2,4-Trimethylbenzene | 20.000 | 21.578 | -7.9 | 100 | 0.00 |
| 81 | | sec-Butylbenzene | 20.000 | 21.469 | -7.3 | 102 | 0.00 |
| 82 | | p-Isopropyltoluene | 20.000 | 21.310 | -6.5 | 101 | 0.00 |
| 83 | M | 1,3-Dichlorobenzene | 20.000 | 21.076 | -5.4 | 99 | 0.00 |
| 84 | M | 1,4-Dichlorobenzene | 20.000 | 21.678 | -8.4 | 102 | 0.00 |
| 85 | | n-Butylbenzene | 20.000 | 20.959 | -4.8 | 100 | 0.00 |
| 86 | T | Hexachloroethane | 20.000 | 19.866 | 0.7 | 99 | 0.00 |
| 87 | M | 1,2-Dichlorobenzene | 20.000 | 21.420 | -7.1 | 101 | 0.00 |
| 88 | | 1,2-Dibromo-3-Chloropropane | 20.000 | 22.103 | -10.5 | 110 | 0.00 |
| 89 | | 1,2,4-Trichlorobenzene | 20.000 | 20.667 | -3.3 | 100 | 0.00 |
| 90 | | Hexachlorobutadiene | 20.000 | 21.414 | -7.1 | 103 | 0.00 |
| 91 | M | Naphthalene | 20.000 | 21.144 | -5.7 | 100 | 0.00 |
| 92 | | 1,2,3-Trichlorobenzene | 20.000 | 21.190 | -6.0 | 99 | 0.00 |

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