# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011823\
Data File : VX033774.D
Acq On : 18 Jan 2023 15:00
Operator : JC/MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX011823

Quant Time: Jan 19 03:23:50 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 18 14:40:07 2023
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 | 94 | 0.00 |
| 2 | M | Dichlorodifluoromethane | 20.000 | 22.900 | -14.5 | 102 | 0.00 |
| 3 | M | Chloromethane | 20.000 | 21.389 | -6.9 | 98 | 0.00 |
| 4 | M | Vinyl Chloride | 20.000 | 21.785 | -8.9 | 98 | 0.00 |
| 5 | M | Bromomethane | 20.000 | 21.711 | -8.6 | 102 | 0.00 |
| 6 | M | Chloroethane | 20.000 | 21.627 | -8.1 | 93 | 0.00 |
| 7 | M | Trichlorofluoromethane | 20.000 | 22.412 | -12.1 | 101 | 0.00 |
| 8 | T | Diethyl Ether | 20.000 | 21.093 | -5.5 | 97 | 0.00 |
| 9 | | 1,1,2-Trichlorotrifluoroeth | 20.000 | 22.617 | -13.1 | 102 | 0.00 |
| 10 | M | 1,1-Dichloroethene | 20.000 | 21.729 | -8.6 | 98 | 0.00 |
| 11 | | Methyl Iodide | 20.000 | 21.154 | -5.8 | 99 | 0.00 |
| 12 | | Methyl Acetate | 20.000 | 21.489 | -7.4 | 97 | 0.00 |
| 13 | M | Acrolein | 100.000 | 96.702 | 3.3 | 100 | 0.00 |
| 14 | M | Acrylonitrile | 100.000 | 105.217 | -5.2 | 94 | 0.00 |
| 15 | M | Acetone | 100.000 | 110.412 | -10.4 | 99 | 0.00 |
| 16 | M | Carbon Disulfide | 20.000 | 21.876 | -9.4 | 103 | 0.00 |
| 17 | | Allyl chloride | 20.000 | 21.165 | -5.8 | 95 | 0.00 |
| 18 | M | Methylene Chloride | 20.000 | 21.638 | -8.2 | 98 | 0.00 |
| 19 | M | trans-1,2-Dichloroethene | 20.000 | 21.617 | -8.1 | 97 | 0.00 |
| 20 | T | Diisopropyl ether | 20.000 | 21.467 | -7.3 | 97 | 0.00 |
| 21 | M | 1,1-Dichloroethane | 20.000 | 21.330 | -6.6 | 97 | 0.00 |
| 22 | M | cis-1,2-Dichloroethene | 20.000 | 21.407 | -7.0 | 97 | 0.00 |
| 23 | M | tert-Butyl Alcohol | 100.000 | 103.350 | -3.3 | 91 | -0.02 |
| 24 | M | Methyl tert-Butyl Ether | 20.000 | 21.437 | -7.2 | 99 | 0.00 |
| 25 | M | Chloroform | 20.000 | 21.480 | -7.4 | 97 | 0.00 |
| 26 | | Cyclohexane | 20.000 | 22.107 | -10.5 | 99 | 0.00 |
| 27 | s | 1,2-Dichloroethane-d4 | 30.000 | 30.800 | -2.7 | 96 | 0.00 |
| 28 | I | 1,4-Difluorobenzene | 30.000 | 30.000 | 0.0 | 93 | 0.00 |
| 29 | | 1,1-Dichloropropene | 20.000 | 21.408 | -7.0 | 98 | 0.00 |
| 30 | M | 2-Butanone | 100.000 | 104.905 | -4.9 | 95 | 0.00 |
| 31 | | 2,2-Dichloropropane | 20.000 | 21.045 | -5.2 | 99 | 0.00 |
| 32 | M | 1,1,1-Trichloroethane | 20.000 | 21.058 | -5.3 | 97 | 0.00 |
| 33 | M | Carbon Tetrachloride | 20.000 | 20.888 | -4.4 | 96 | 0.00 |
| 34 | M | Benzene | 20.000 | 21.287 | -6.4 | 95 | 0.00 |
| 35 | | Methacrylonitrile | 20.000 | 21.078 | -5.4 | 96 | 0.00 |
| 36 | M | 1,2-Dichloroethane | 20.000 | 21.077 | -5.4 | 97 | 0.00 |
| 37 | M | Trichloroethene | 20.000 | 21.257 | -6.3 | 95 | 0.00 |
| 38 | | Methylcyclohexane | 20.000 | 22.509 | -12.5 | 103 | 0.00 |
| 39 | M | 1,2-Dichloropropane | 20.000 | 21.660 | -8.3 | 102 | 0.00 |
| 40 | | Dibromomethane | 20.000 | 22.067 | -10.3 | 103 | 0.00 |
| 41 | M | Bromodichloromethane | 20.000 | 21.692 | -8.5 | 101 | 0.00 |
| 42 | M | Vinyl Acetate | 100.000 | 106.499 | -6.5 | 97 | 0.00 |
| 43 | | Ethyl Acetate | 20.000 | 20.530 | -2.7 | 96 | 0.00 |
| 44 | | Isopropyl Acetate | 20.000 | 21.110 | -5.5 | 98 | 0.00 |
| 45 | T | 1,4-Dioxane | 400.000 | 381.286 | 4.7 | 85 | -0.01 |
| 46 | | Methyl methacrylate | 20.000 | 22.569 | -12.8 | 104 | 0.00 |
| 47 | | n-amyl Acetate | 20.000 | 20.982 | -4.9 | 102 | 0.00 |
| 48 | M | t-1,3-Dichloropropene | 20.000 | 20.441 | -2.2 | 104 | 0.00 |

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Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX011823

Quant Time: Jan 19 03:23:50 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 18 14:40:07 2023
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 | 20.978 | -4.9 | 100 | 0.00 |
| 50 | M | 1,1,2-Trichloroethane | 20.000 | 21.651 | -8.3 | 106 | 0.00 |
| 51 | | Ethyl methacrylate | 20.000 | 21.343 | -6.7 | 105 | 0.00 |
| 52 | | 1,3-Dichloropropane | 20.000 | 21.138 | -5.7 | 103 | 0.00 |
| 53 | M | Dibromochloromethane | 20.000 | 20.959 | -4.8 | 105 | 0.00 |
| 54 | M | 1,2-Dibromoethane | 20.000 | 21.253 | -6.3 | 105 | 0.00 |
| 55 | M | 2-Chloroethyl vinyl ether | 100.000 | 103.997 | -4.0 | 99 | 0.00 |
| 56 | M | Bromoform | 20.000 | 21.033 | -5.2 | 102 | 0.00 |
| 57 | I | Chlorobenzene-d5 | 30.000 | 30.000 | 0.0 | 99 | 0.00 |
| 58 | M | 4-Methyl-2-Pentanone | 100.000 | 110.030 | -10.0 | 101 | 0.00 |
| 59 | M | 2-Hexanone | 100.000 | 107.024 | -7.0 | 99 | 0.00 |
| 60 | S | 4-Bromofluorobenzene | 30.000 | 30.346 | -1.2 | 97 | 0.00 |
| 61 | M | Tetrachloroethene | 20.000 | 22.171 | -10.9 | 113 | 0.00 |
| 62 | M | Toluene | 20.000 | 21.944 | -9.7 | 101 | 0.00 |
| 63 | S | Toluene-d8 | 30.000 | 30.496 | -1.7 | 98 | 0.00 |
| 64 | M | Chlorobenzene | 20.000 | 21.394 | -7.0 | 101 | 0.00 |
| 65 | | 1,1,1,2-Tetrachloroethane | 20.000 | 21.019 | -5.1 | 99 | 0.00 |
| 66 | M | Ethyl Benzene | 20.000 | 21.431 | -7.2 | 100 | 0.00 |
| 67 | M | m/p-Xylenes | 40.000 | 43.133 | -7.8 | 101 | 0.00 |
| 68 | M | o-Xylene | 20.000 | 21.234 | -6.2 | 100 | 0.00 |
| 69 | M | Styrene | 20.000 | 21.476 | -7.4 | 101 | 0.00 |
| 70 | | Isopropylbenzene | 20.000 | 21.619 | -8.1 | 101 | 0.00 |
| 71 | M | 1,1,2,2-Tetrachloroethane | 20.000 | 21.513 | -7.6 | 102 | 0.00 |
| 72 | | 1,2,3-Trichloropropane | 20.000 | 21.006 | -5.0 | 98 | 0.00 |
| 73 | | Bromobenzene | 20.000 | 21.556 | -7.8 | 100 | 0.00 |
| 74 | | n-propylbenzene | 20.000 | 21.615 | -8.1 | 101 | 0.00 |
| 75 | | 2-Chlorotoluene | 20.000 | 21.624 | -8.1 | 101 | 0.00 |
| 76 | | 1,3,5-Trimethylbenzene | 20.000 | 22.094 | -10.5 | 102 | 0.00 |
| 77 | | t-1,4-Dichloro-2-butene | 20.000 | 19.904 | 0.5 | 100 | 0.00 |
| 78 | | 4-Chlorotoluene | 20.000 | 21.969 | -9.8 | 104 | 0.00 |
| 79 | | tert-butylbenzene | 20.000 | 21.899 | -9.5 | 102 | 0.00 |
| 80 | | 1,2,4-Trimethylbenzene | 20.000 | 22.139 | -10.7 | 103 | 0.00 |
| 81 | | sec-Butylbenzene | 20.000 | 21.812 | -9.1 | 102 | 0.00 |
| 82 | | p-Isopropyltoluene | 20.000 | 21.871 | -9.4 | 101 | 0.00 |
| 83 | M | 1,3-Dichlorobenzene | 20.000 | 21.679 | -8.4 | 102 | 0.00 |
| 84 | M | 1,4-Dichlorobenzene | 20.000 | 21.679 | -8.4 | 103 | 0.00 |
| 85 | | n-Butylbenzene | 20.000 | 21.980 | -9.9 | 104 | 0.00 |
| 86 | T | Hexachloroethane | 20.000 | 21.178 | -5.9 | 104 | 0.00 |
| 87 | M | 1,2-Dichlorobenzene | 20.000 | 21.958 | -9.8 | 101 | 0.00 |
| 88 | | 1,2-Dibromo-3-Chloropropane | 20.000 | 19.590 | 2.1 | 94 | 0.00 |
| 89 | | 1,2,4-Trichlorobenzene | 20.000 | 21.348 | -6.7 | 102 | 0.00 |
| 90 | | Hexachlorobutadiene | 20.000 | 22.662 | -13.3 | 109 | 0.00 |
| 91 | M | Naphthalene | 20.000 | 21.641 | -8.2 | 102 | 0.00 |
| 92 | | 1,2,3-Trichlorobenzene | 20.000 | 22.090 | -10.4 | 104 | 0.00 |

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