# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020124\
Data File : VU057782.D
Acq On : 01 Feb 2024 16:56
Operator : MD/SY
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**LabSampleId :**
VSTDCCC010

Quant Time: Feb 02 00:34:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Feb 02 00:27:55 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | i | Fluorobenzene | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 10.000 | 9.886 | 1.1 | 97 | 0.00 |
| 3 | t | Chloromethane | 10.000 | 9.338 | 6.6 | 96 | 0.00 |
| 4 | Rt | Vinyl Chloride | 10.000 | 10.104 | -1.0 | 98 | 0.00 |
| 5 | T | Bromomethane | 10.000 | 10.136 | -1.4 | 108 | 0.00 |
| 6 | T | Chloroethane | 10.000 | 10.317 | -3.2 | 103 | 0.00 |
| 7 | T | Trichlorofluoromethane | 10.000 | 9.811 | 1.9 | 93 | 0.00 |
| 8 | | 1,1,2-Trichloro-1,2,2-trifl | 10.000 | 9.753 | 2.5 | 96 | 0.00 |
| 9 | Rt | 1,1-Dichloroethene | 10.000 | 9.806 | 1.9 | 95 | 0.00 |
| 10 | t | Iodomethane | 10.000 | 10.649 | -6.5 | 96 | 0.00 |
| 11 | t | Allyl Chloride | 10.000 | 10.149 | -1.5 | 96 | 0.00 |
| 12 | t | Acrylonitrile | 20.000 | 21.743 | -8.7 | 97 | 0.00 |
| 13 | T | Acetone | 50.000 | 53.303 | -6.6 | 95 | 0.00 |
| 14 | T | Carbon Disulfide | 10.000 | 9.928 | 0.7 | 97 | 0.00 |
| 15 | RT | Methylene Chloride | 10.000 | 9.394 | 6.1 | 97 | 0.00 |
| 16 | RT | trans-1,2-Dichloroethene | 10.000 | 10.080 | -0.8 | 96 | 0.00 |
| 17 | t | 1,1-Dichloroethane | 10.000 | 10.177 | -1.8 | 98 | 0.00 |
| 18 | T | 2-Butanone | 50.000 | 55.526 | -11.1 | 100 | 0.00 |
| 19 | | Cyclohexane | 10.000 | 9.971 | 0.3 | 97 | 0.00 |
| 20 | | Methylcyclohexane | 10.000 | 10.215 | -2.1 | 96 | 0.00 |
| 21 | T | 2,2-Dichloropropane | 10.000 | 10.298 | -3.0 | 97 | 0.00 |
| 22 | RT | cis-1,2-Dichloroethene | 10.000 | 9.854 | 1.5 | 95 | 0.00 |
| 23 | t | Diethyl Ether | 10.000 | 9.978 | 0.2 | 96 | 0.00 |
| 24 | t | tert-Butyl Alcohol | 100.000 | 103.291 | -3.3 | 102 | 0.04 |
| 25 | t | Methyl tert-Butyl Ether | 10.000 | 10.159 | -1.6 | 97 | 0.00 |
| 26 | t | Bromochloromethane | 10.000 | 9.948 | 0.5 | 97 | 0.00 |
| 27 | t | Chloroform | 10.000 | 10.110 | -1.1 | 97 | 0.00 |
| 28 | RT | 1,1,1-Trichloroethane | 10.000 | 10.027 | -0.3 | 95 | 0.00 |
| 29 | T | 1,1-Dichloropropene | 10.000 | 10.306 | -3.1 | 98 | 0.00 |
| 30 | RT | Carbon Tetrachloride | 10.000 | 10.045 | -0.4 | 95 | 0.00 |
| 31 | t | Isopropyl Ether | 10.000 | 10.331 | -3.3 | 98 | 0.00 |
| 32 | | Ethyl-t-butyl ether | 10.000 | 10.405 | -4.0 | 96 | 0.00 |
| 33 | | Tert-Amyl methyl ether | 10.000 | 10.653 | -6.5 | 97 | 0.00 |
| 34 | t | Propionitrile | 50.000 | 50.592 | -1.2 | 91 | 0.01 |
| 35 | RT | Benzene | 10.000 | 10.084 | -0.8 | 97 | 0.00 |
| 36 | RT | 1,2-Dichloroethane | 10.000 | 9.966 | 0.3 | 96 | 0.00 |
| 37 | RT | Trichloroethene | 10.000 | 10.014 | -0.1 | 96 | 0.00 |
| 38 | Rt | 1,2-Dichloropropane | 10.000 | 10.088 | -0.9 | 97 | 0.00 |
| 39 | t | Methacrylonitrile | 10.000 | 10.404 | -4.0 | 95 | 0.00 |
| 40 | t | Methyl acrylate | 10.000 | 9.091 | 9.1 | 93 | 0.00 |
| 41 | t | Tetrahydrofuran | 20.000 | 21.363 | -6.8 | 100 | 0.00 |
| 42 | t | 1-Chlorobutane | 10.000 | 10.223 | -2.2 | 96 | 0.00 |
| 43 | T | Dibromomethane | 10.000 | 10.351 | -3.5 | 98 | 0.00 |
| 44 | T | Bromodichloromethane | 10.000 | 10.221 | -2.2 | 97 | 0.00 |
| 45 | T | 4-Methyl-2-Pentanone | 50.000 | 51.892 | -3.8 | 93 | 0.00 |
| 46 | t | t-1,4-Dichloro-2-butene | 20.000 | 22.600 | -13.0 | 106 | 0.00 |
| 47 | t | Methyl methacrylate | 20.000 | 21.184 | -5.9 | 97 | 0.00 |
| 48 | t | Ethyl methacrylate | 10.000 | 10.230 | -2.3 | 91 | 0.00 |
| 49 | Rt | Toluene | 10.000 | 10.140 | -1.4 | 96 | 0.00 |

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**Instrument :**
MSVOA_U
**LabSampleId :**
VSTDCCC010

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Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 50 | T | t-1,3-Dichloropropene | 10.000 | 10.554 | -5.5 | 96 | 0.00 |
| 51 | T | cis-1,3-Dichloropropene | 10.000 | 10.471 | -4.7 | 98 | 0.00 |
| 52 | RT | 1,1,2-Trichloroethane | 10.000 | 10.158 | -1.6 | 96 | 0.00 |
| 53 | t | 1,3-Dichloropropane | 10.000 | 10.024 | -0.2 | 97 | 0.00 |
| 54 | t | 2-Hexanone | 50.000 | 54.560 | -9.1 | 97 | 0.00 |
| 55 | t | Dibromochloromethane | 10.000 | 10.087 | -0.9 | 94 | 0.00 |
| 56 | T | 1,2-Dibromoethane | 10.000 | 10.296 | -3.0 | 95 | 0.00 |
| 57 | S | 4-Bromofluorobenzene | 1.000 | 0.973 | 2.7 | 91 | 0.00 |
| 58 | RT | Tetrachloroethene | 10.000 | 9.824 | 1.8 | 96 | 0.00 |
| 59 | Rt | Chlorobenzene | 10.000 | 10.099 | -1.0 | 94 | 0.00 |
| 60 | T | 1,1,1,2-Tetrachloroethane | 10.000 | 10.138 | -1.4 | 94 | 0.00 |
| 61 | t | Pentachloroethane | 10.000 | 10.607 | -6.1 | 90 | 0.00 |
| 62 | t | Hexachloroethane | 10.000 | 8.666 | 13.3 | 86 | 0.00 |
| 63 | Rt | Ethyl Benzene | 10.000 | 10.286 | -2.9 | 94 | 0.00 |
| 64 | RT | m/p-Xylenes | 20.000 | 20.790 | -3.9 | 93 | 0.00 |
| 65 | RT | o-Xylene | 10.000 | 10.319 | -3.2 | 93 | 0.00 |
| 66 | RT | Styrene | 10.000 | 10.753 | -7.5 | 92 | 0.00 |
| 67 | t | Bromoform | 10.000 | 10.379 | -3.8 | 91 | 0.00 |
| 68 | S | 1,2-Dichlorobenzene-d4 | 1.000 | 1.028 | -2.8 | 96 | 0.00 |
| 69 | T | Isopropylbenzene | 10.000 | 10.463 | -4.6 | 93 | 0.00 |
| 70 | T | 1,1,2,2-Tetrachloroethane | 10.000 | 10.006 | -0.1 | 92 | 0.00 |
| 71 | T | 1,2,3-Trichloropropane | 10.000 | 10.100 | -1.0 | 98 | 0.00 |
| 72 | t | Bromobenzene | 10.000 | 10.256 | -2.6 | 91 | 0.00 |
| 73 | t | n-propylbenzene | 10.000 | 10.880 | -8.8 | 93 | 0.00 |
| 74 | t | 2-Chlorotoluene | 10.000 | 10.374 | -3.7 | 91 | 0.00 |
| 75 | t | 1,3,5-Trimethylbenzene | 10.000 | 10.232 | -2.3 | 91 | 0.00 |
| 76 | t | 4-Chlorotoluene | 10.000 | 10.334 | -3.3 | 91 | 0.00 |
| 77 | t | tert-Butylbenzene | 10.000 | 10.087 | -0.9 | 89 | 0.00 |
| 78 | t | 1,2,4-Trimethylbenzene | 10.000 | 10.271 | -2.7 | 91 | 0.00 |
| 79 | t | sec-Butylbenzene | 10.000 | 9.966 | 0.3 | 89 | 0.00 |
| 80 | | Nitrobenzene | 50.000 | 43.642 | 12.7 | 90 | 0.00 |
| 81 | t | p-Isopropyltoluene | 10.000 | 10.264 | -2.6 | 89 | 0.00 |
| 82 | t | 1,3-Dichlorobenzene | 10.000 | 10.233 | -2.3 | 93 | 0.00 |
| 83 | Rt | 1,4-Dichlorobenzene | 10.000 | 10.184 | -1.8 | 92 | 0.00 |
| 84 | t | n-Butylbenzene | 10.000 | 10.646 | -6.5 | 91 | 0.00 |
| 85 | Rt | 1,2-Dichlorobenzene | 10.000 | 10.198 | -2.0 | 93 | 0.00 |
| 86 | t | 1,2-Dibromo-3-Chloropropane | 10.000 | 9.280 | 7.2 | 95 | 0.00 |
| 87 | Rt | 1,2,4-Trichlorobenzene | 10.000 | 10.944 | -9.4 | 95 | 0.00 |
| 88 | t | Hexachlorobutadiene | 10.000 | 9.955 | 0.4 | 92 | 0.00 |
| 89 | t | Naphthalene | 10.000 | 10.084 | -0.8 | 90 | 0.00 |
| 90 | t | 1,2,3-Trichlorobenzene | 10.000 | 10.330 | -3.3 | 93 | 0.00 |

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