# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031721\
Data File : VU042691.D
Acq On : 17 Mar 2021 15:27
Operator : SY/MD
Sample : VSTDICV010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** ICVVU031721

Quant Time: Mar 18 07:28:41 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031721DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Mar 18 07:25:09 2021
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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | i | Fluorobenzene | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.389 | 0.234 | 39.8# | 61 | 0.00 |
| 3 | t | Chloromethane | 0.368 | 0.277 | 24.7 | 81 | 0.00 |
| 4 | Rt | Vinyl Chloride | 0.355 | 0.282 | 20.6 | 82 | 0.00 |
| 5 | T | Bromomethane | 0.234 | 0.223 | 4.7 | 93 | 0.00 |
| 6 | T | Chloroethane | 0.242 | 0.215 | 11.2 | 90 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.606 | 0.559 | 7.8 | 93 | 0.00 |
| 8 | | 1,1,2-Trichloro-1,2,2-trifl | 0.304 | 0.270 | 11.2 | 90 | 0.00 |
| 9 | Rt | 1,1-Dichloroethene | 0.263 | 0.252 | 4.2 | 99 | 0.00 |
| 10 | t | Iodomethane | 0.414 | 0.404 | 2.4 | 97 | 0.00 |
| 11 | t | Allyl Chloride | 0.503 | 0.492 | 2.2 | 103 | 0.00 |
| 12 | t | Acrylonitrile | 0.076 | 0.187 | -146.1# | 245# | 0.00 |
| 13 | T | Acetone | 0.059 | 0.057 | 3.4 | 97 | 0.00 |
| 14 | T | Carbon Disulfide | 0.824 | 0.697 | 15.4 | 87 | 0.00 |
| 15 | RT | Methylene Chloride | 0.319 | 0.294 | 7.8 | 100 | 0.00 |
| 16 | RT | trans-1,2-Dichloroethene | 0.284 | 0.279 | 1.8 | 103 | 0.00 |
| 17 | t | 1,1-Dichloroethane | 0.583 | 0.575 | 1.4 | 102 | 0.00 |
| 18 | T | 2-Butanone | 0.109 | 0.101 | 7.3 | 96 | 0.00 |
| 19 | | Cyclohexane | 0.497 | 0.436 | 12.3 | 91 | 0.00 |
| 20 | | Methylcyclohexane | 0.431 | 0.430 | 0.2 | 96 | 0.00 |
| 21 | T | 2,2-Dichloropropane | 0.536 | 0.513 | 4.3 | 100 | 0.00 |
| 22 | RT | cis-1,2-Dichloroethene | 0.320 | 0.329 | -2.8 | 108 | 0.00 |
| 23 | t | Diethyl Ether | 0.223 | 0.215 | 3.6 | 97 | 0.00 |
| 24 | t | tert-Butyl Alcohol | 0.016 | 0.009 | 43.8# | 48 | 0.00 |
| 25 | t | Methyl tert-Butyl Ether | 0.779 | 0.771 | 1.0 | 104 | 0.00 |
| 26 | t | Bromochloromethane | 0.153 | 0.152 | 0.7 | 101 | 0.00 |
| 27 | t | Chloroform | 0.608 | 0.600 | 1.3 | 103 | 0.00 |
| 28 | RT | 1,1,1-Trichloroethane | 0.552 | 0.536 | 2.9 | 100 | 0.00 |
| 29 | T | 1,1-Dichloropropene | 0.387 | 0.379 | 2.1 | 99 | 0.00 |
| 30 | RT | Carbon Tetrachloride | 0.428 | 0.432 | -0.9 | 100 | 0.00 |
| 31 | t | Isopropyl Ether | 1.042 | 1.096 | -5.2 | 110 | 0.00 |
| 32 | | Ethyl-t-butyl ether | 0.927 | 0.000 | 100.0# | 0# | -4.52# |
| 33 | | Tert-Amyl methyl ether | 0.674 | 0.000 | 100.0# | 0# | -5.96# |
| 34 | t | Propionitrile | 0.024 | 0.051 | -112.5# | 187 | 0.00 |
| 35 | RT | Benzene | 1.087 | 1.100 | -1.2 | 103 | 0.00 |
| 36 | RT | 1,2-Dichloroethane | 0.421 | 0.428 | -1.7 | 107 | 0.00 |
| 37 | RT | Trichloroethene | 0.292 | 0.302 | -3.4 | 104 | 0.00 |
| 38 | Rt | 1,2-Dichloropropane | 0.312 | 0.321 | -2.9 | 105 | 0.00 |
| 39 | t | Methacrylonitrile | 0.151 | 0.146 | 3.3 | 100 | 0.00 |
| 40 | t | Methyl acrylate | 0.197 | 0.209 | -6.1 | 99 | 0.00 |
| 41 | t | Tetrahydrofuran | 0.075 | 0.190 | -153.3# | 270# | 0.00 |
| 42 | t | 1-Chlorobutane | 0.572 | 0.562 | 1.7 | 103 | 0.00 |
| 43 | T | Dibromomethane | 0.171 | 0.180 | -5.3 | 102 | 0.00 |
| 44 | T | Bromodichloromethane | 0.401 | 0.438 | -9.2 | 108 | 0.00 |
| 45 | T | 4-Methyl-2-Pentanone | 0.257 | 0.272 | -5.8 | 100 | 0.00 |
| 46 | t | t-1,4-Dichloro-2-butene | 0.083 | 0.071 | 14.5 | 70 | 0.00 |
| 47 | t | Methyl methacrylate | 0.150 | 0.081 | 46.0# | 51 | 0.00 |
| 48 | t | Ethyl methacrylate | 0.298 | 0.319 | -7.0 | 100 | 0.00 |
| 49 | Rt | Toluene | 0.674 | 0.733 | -8.8 | 103 | 0.00 |

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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** ICVVU031721

Quant Time: Mar 18 07:28:41 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031721DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Mar 18 07:25:09 2021
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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 50 | T | t-1,3-Dichloropropene | 0.360 | 0.407 | -13.1 | 105 | 0.00 |
| 51 | T | cis-1,3-Dichloropropene | 0.402 | 0.457 | -13.7 | 110 | 0.00 |
| 52 | RT | 1,1,2-Trichloroethane | 0.236 | 0.245 | -3.8 | 105 | 0.00 |
| 53 | t | 1,3-Dichloropropane | 0.407 | 0.421 | -3.4 | 103 | 0.00 |
| 54 | t | 2-Hexanone | 0.183 | 0.199 | -8.7 | 100 | 0.00 |
| 55 | t | Dibromochloromethane | 0.281 | 0.309 | -10.0 | 106 | 0.00 |
| 56 | T | 1,2-Dibromoethane | 0.235 | 0.245 | -4.3 | 104 | 0.00 |
| 57 | S | 4-Bromofluorobenzene | 0.445 | 0.500 | -12.4 | 103 | 0.00 |
| 58 | RT | Tetrachloroethene | 0.317 | 0.321 | -1.3 | 103 | 0.00 |
| 59 | Rt | Chlorobenzene | 0.761 | 0.799 | -5.0 | 102 | 0.00 |
| 60 | T | 1,1,1,2-Tetrachloroethane | 0.298 | 0.319 | -7.0 | 102 | 0.00 |
| 61 | t | Pentachloroethane | 0.229 | 0.268 | -17.0 | 111 | 0.00 |
| 62 | t | Hexachloroethane | 0.237 | 0.273 | -15.2 | 105 | 0.00 |
| 63 | Rt | Ethyl Benzene | 1.293 | 1.484 | -14.8 | 104 | 0.00 |
| 64 | RT | m/p-Xylenes | 0.498 | 0.567 | -13.9 | 103 | 0.00 |
| 65 | RT | o-Xylene | 0.482 | 0.546 | -13.3 | 103 | 0.00 |
| 66 | RT | Styrene | 0.825 | 0.956 | -15.9 | 102 | 0.00 |
| 67 | t | Bromoform | 0.183 | 0.201 | -9.8 | 101 | 0.00 |
| 68 | S | 1,2-Dichlorobenzene-d4 | 0.471 | 0.506 | -7.4 | 101 | 0.00 |
| 69 | T | Isopropylbenzene | 1.311 | 1.568 | -19.6 | 108 | 0.00 |
| 70 | T | 1,1,2,2-Tetrachloroethane | 0.312 | 0.339 | -8.7 | 104 | 0.00 |
| 71 | T | 1,2,3-Trichloropropane | 0.246 | 0.263 | -6.9 | 101 | 0.00 |
| 72 | t | Bromobenzene | 0.368 | 0.406 | -10.3 | 105 | 0.00 |
| 73 | t | n-propylbenzene | 0.368 | 0.421 | -14.4 | 102 | 0.00 |
| 74 | t | 2-Chlorotoluene | 0.334 | 0.382 | -14.4 | 105 | 0.00 |
| 75 | t | 1,3,5-Trimethylbenzene | 1.174 | 1.449 | -23.4 | 107 | 0.00 |
| 76 | t | 4-Chlorotoluene | 0.354 | 0.406 | -14.7 | 103 | 0.00 |
| 77 | t | tert-Butylbenzene | 1.167 | 1.336 | -14.5 | 103 | 0.00 |
| 78 | t | 1,2,4-Trimethylbenzene | 1.212 | 1.470 | -21.3 | 106 | 0.00 |
| 79 | t | sec-Butylbenzene | 1.573 | 1.710 | -8.7 | 97 | 0.00 |
| 80 | | Nitrobenzene | 0.008 | 0.002 | 75.0# | 20# | 0.00 |
| 81 | t | p-Isopropyltoluene | 1.324 | 1.593 | -20.3 | 105 | 0.00 |
| 82 | t | 1,3-Dichlorobenzene | 0.735 | 0.809 | -10.1 | 103 | 0.00 |
| 83 | Rt | 1,4-Dichlorobenzene | 0.739 | 0.824 | -11.5 | 103 | 0.00 |
| 84 | t | n-Butylbenzene | 1.270 | 1.576 | -24.1 | 107 | 0.00 |
| 85 | Rt | 1,2-Dichlorobenzene | 0.722 | 0.795 | -10.1 | 103 | 0.00 |
| 86 | t | 1,2-Dibromo-3-Chloropropane | 0.058 | 0.068 | -17.2 | 102 | 0.00 |
| 87 | Rt | 1,2,4-Trichlorobenzene | 0.484 | 0.601 | -24.2 | 111 | 0.00 |
| 88 | t | Hexachlorobutadiene | 0.325 | 0.366 | -12.6 | 105 | 0.00 |
| 89 | t | Naphthalene | 0.791 | 1.003 | -26.8 | 111 | 0.00 |
| 90 | t | 1,2,3-Trichlorobenzene | 0.460 | 0.567 | -23.3 | 110 | 0.00 |

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