Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031021\
Data File : VU042554.D
Acq On : 10 Mar 2021 15:59
Operator : SY/MD
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Mar 11 06:28:57 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U030921DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Mar 10 06:46:59 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 | 93 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.408 | 0.389 | 4.7 | 84 | 0.00 |
| 3 | t | Chloromethane | 0.359 | 0.347 | 3.3 | 87 | 0.00 |
| 4 | Rt | Vinyl Chloride | 0.351 | 0.341 | 2.8 | 86 | 0.00 |
| 5 | T | Bromomethane | 0.210 | 0.217 | -3.3 | 93 | 0.00 |
| 6 | T | Chloroethane | 0.214 | 0.213 | 0.5 | 88 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.578 | 0.569 | 1.6 | 88 | 0.00 |
| 8 | | 1,1,2-Trichloro-1,2,2-trifl | 0.296 | 0.287 | 3.0 | 86 | 0.00 |
| 9 | Rt | 1,1-Dichloroethene | 0.256 | 0.251 | 2.0 | 86 | 0.00 |
| 10 | t | Iodomethane | 0.409 | 0.417 | -2.0 | 87 | 0.00 |
| 11 | t | Allyl Chloride | 0.487 | 0.479 | 1.6 | 87 | 0.00 |
| 12 | t | Acrylonitrile | 0.063 | 0.074 | -17.5 | 119 | 0.00 |
| 13 | T | Acetone | 0.041 | 0.051 | -24.4 | 120 | 0.00 |
| 14 | T | Carbon Disulfide | 0.833 | 0.792 | 4.9 | 84 | 0.00 |
| 15 | RT | Methylene Chloride | 0.298 | 0.285 | 4.4 | 89 | 0.00 |
| 16 | RT | trans-1,2-Dichloroethene | 0.274 | 0.273 | 0.4 | 87 | 0.00 |
| 17 | t | 1,1-Dichloroethane | 0.547 | 0.541 | 1.1 | 88 | 0.00 |
| 18 | T | 2-Butanone | 0.082 | 0.113 | -37.8# | 128 | 0.00 |
| 19 | | Cyclohexane | 0.502 | 0.494 | 1.6 | 88 | 0.00 |
| 20 | | Methylcyclohexane | 0.445 | 0.465 | -4.5 | 86 | 0.00 |
| 21 | T | 2,2-Dichloropropane | 0.516 | 0.499 | 3.3 | 87 | 0.00 |
| 22 | RT | cis-1,2-Dichloroethene | 0.298 | 0.304 | -2.0 | 89 | 0.00 |
| 23 | t | Diethyl Ether | 0.214 | 0.206 | 3.7 | 85 | 0.00 |
| 24 | t | tert-Butyl Alcohol | 0.012 | 0.014 | -16.7 | 101 | 0.00 |
| 25 | t | Methyl tert-Butyl Ether | 0.719 | 0.723 | -0.6 | 88 | 0.00 |
| 26 | t | Bromochloromethane | 0.146 | 0.147 | -0.7 | 90 | 0.00 |
| 27 | t | Chloroform | 0.563 | 0.565 | -0.4 | 89 | 0.00 |
| 28 | RT | 1,1,1-Trichloroethane | 0.519 | 0.521 | -0.4 | 87 | 0.00 |
| 29 | T | 1,1-Dichloropropene | 0.385 | 0.401 | -4.2 | 90 | 0.00 |
| 30 | RT | Carbon Tetrachloride | 0.437 | 0.436 | 0.2 | 86 | 0.00 |
| 31 | t | Isopropyl Ether | 0.962 | 0.969 | -0.7 | 89 | 0.00 |
| 32 | | Ethyl-t-butyl ether | 0.854 | 0.870 | -1.9 | 90 | 0.00 |
| 33 | | Tert-Amyl methyl ether | 0.686 | 0.696 | -1.5 | 88 | 0.00 |
| 34 | t | Propionitrile | 0.018 | 0.022 | -22.2 | 103 | 0.00 |
| 35 | RT | Benzene | 1.076 | 1.083 | -0.7 | 87 | 0.00 |
| 36 | RT | 1,2-Dichloroethane | 0.413 | 0.418 | -1.2 | 89 | 0.00 |
| 37 | RT | Trichloroethene | 0.307 | 0.295 | 3.9 | 85 | 0.00 |
| 38 | Rt | 1,2-Dichloropropane | 0.300 | 0.310 | -3.3 | 90 | 0.00 |
| 39 | t | Methacrylonitrile | 0.123 | 0.139 | -13.0 | 97 | 0.00 |
| 40 | t | Methyl acrylate | 0.171 | 0.203 | -18.7 | 104 | 0.00 |
| 41 | t | Tetrahydrofuran | 0.058 | 0.065 | -12.1 | 108 | 0.00 |
| 42 | t | 1-Chlorobutane | 0.573 | 0.565 | 1.4 | 88 | 0.00 |
| 43 | T | Dibromomethane | 0.170 | 0.172 | -1.2 | 85 | 0.00 |
| 44 | T | Bromodichloromethane | 0.396 | 0.410 | -3.5 | 87 | 0.00 |
| 45 | T | 4-Methyl-2-Pentanone | 0.249 | 0.260 | -4.4 | 86 | 0.00 |
| 46 | t | t-1,4-Dichloro-2-butene | 0.081 | 0.082 | -1.2 | 82 | 0.00 |
| 47 | t | Methyl methacrylate | 0.154 | 0.164 | -6.5 | 87 | 0.00 |
| 48 | t | Ethyl methacrylate | 0.307 | 0.316 | -2.9 | 84 | 0.00 |
| 49 | Rt | Toluene | 0.686 | 0.715 | -4.2 | 87 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031021\
Data File : VU042554.D
Acq On : 10 Mar 2021 15:59
Operator : SY/MD
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Mar 11 06:28:57 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U030921DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Mar 10 06:46:59 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 | 0.375 | 0.384 | -2.4 | 83 | 0.00 |
| 51 | T | cis-1,3-Dichloropropene | 0.409 | 0.414 | -1.2 | 82 | 0.00 |
| 52 | RT | 1,1,2-Trichloroethane | 0.224 | 0.225 | -0.4 | 85 | 0.00 |
| 53 | t | 1,3-Dichloropropane | 0.400 | 0.403 | -0.8 | 87 | 0.00 |
| 54 | t | 2-Hexanone | 0.180 | 0.191 | -6.1 | 87 | 0.00 |
| 55 | t | Dibromochloromethane | 0.279 | 0.291 | -4.3 | 85 | 0.00 |
| 56 | T | 1,2-Dibromoethane | 0.231 | 0.230 | 0.4 | 85 | 0.00 |
| 57 | S | 4-Bromofluorobenzene | 0.441 | 0.464 | -5.2 | 92 | 0.00 |
| 58 | RT | Tetrachloroethene | 0.302 | 0.295 | 2.3 | 86 | 0.00 |
| 59 | Rt | Chlorobenzene | 0.754 | 0.772 | -2.4 | 85 | 0.00 |
| 60 | T | 1,1,1,2-Tetrachloroethane | 0.286 | 0.297 | -3.8 | 85 | 0.00 |
| 61 | t | Pentachloroethane | 0.235 | 0.242 | -3.0 | 84 | 0.00 |
| 62 | t | Hexachloroethane | 0.233 | 0.254 | -9.0 | 85 | 0.00 |
| 63 | Rt | Ethyl Benzene | 1.322 | 1.418 | -7.3 | 87 | 0.00 |
| 64 | RT | m/p-Xylenes | 0.502 | 0.546 | -8.8 | 85 | 0.00 |
| 65 | RT | o-Xylene | 0.487 | 0.528 | -8.4 | 86 | 0.00 |
| 66 | RT | Styrene | 0.833 | 0.919 | -10.3 | 86 | 0.00 |
| 67 | t | Bromoform | 0.181 | 0.188 | -3.9 | 81 | 0.00 |
| 68 | S | 1,2-Dichlorobenzene-d4 | 0.456 | 0.477 | -4.6 | 92 | 0.00 |
| 69 | T | Isopropylbenzene | 1.330 | 1.457 | -9.5 | 86 | 0.00 |
| 70 | T | 1,1,2,2-Tetrachloroethane | 0.306 | 0.317 | -3.6 | 86 | 0.00 |
| 71 | T | 1,2,3-Trichloropropane | 0.249 | 0.279 | -12.0 | 95 | 0.00 |
| 72 | t | Bromobenzene | 0.360 | 0.377 | -4.7 | 85 | 0.00 |
| 73 | t | n-propylbenzene | 0.365 | 0.409 | -12.1 | 87 | 0.00 |
| 74 | t | 2-Chlorotoluene | 0.327 | 0.360 | -10.1 | 87 | 0.00 |
| 75 | t | 1,3,5-Trimethylbenzene | 1.185 | 1.324 | -11.7 | 87 | 0.00 |
| 76 | t | 4-Chlorotoluene | 0.344 | 0.383 | -11.3 | 88 | 0.00 |
| 77 | t | tert-Butylbenzene | 1.181 | 1.285 | -8.8 | 86 | 0.00 |
| 78 | t | 1,2,4-Trimethylbenzene | 1.203 | 1.372 | -14.0 | 88 | 0.00 |
| 79 | t | sec-Butylbenzene | 1.532 | 1.715 | -11.9 | 87 | 0.00 |
| 80 | | Nitrobenzene | 0.008 | 0.008 | 0.0 | 69 | 0.00 |
| 81 | t | p-Isopropyltoluene | 1.310 | 1.483 | -13.2 | 87 | 0.00 |
| 82 | t | 1,3-Dichlorobenzene | 0.703 | 0.751 | -6.8 | 87 | 0.00 |
| 83 | Rt | 1,4-Dichlorobenzene | 0.708 | 0.761 | -7.5 | 87 | 0.00 |
| 84 | t | n-Butylbenzene | 1.210 | 1.437 | -18.8 | 89 | 0.00 |
| 85 | Rt | 1,2-Dichlorobenzene | 0.693 | 0.739 | -6.6 | 87 | 0.00 |
| 86 | t | 1,2-Dibromo-3-Chloropropane | 0.058 | 0.064 | -10.3 | 85 | 0.00 |
| 87 | Rt | 1,2,4-Trichlorobenzene | 0.475 | 0.516 | -8.6 | 83 | 0.00 |
| 88 | t | Hexachlorobutadiene | 0.309 | 0.334 | -8.1 | 87 | 0.00 |
| 89 | t | Naphthalene | 0.793 | 0.878 | -10.7 | 79 | 0.00 |
| 90 | t | 1,2,3-Trichlorobenzene | 0.455 | 0.491 | -7.9 | 83 | 0.00 |

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