Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060421\
Data File : VU044044.D
Acq On : 04 Jun 2021 10:19
Operator : SY/MD
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 07 02:15:41 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060221DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jun 03 11:17:14 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 | 95 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.421 | 0.431 | -2.4 | 96 | 0.00 |
| 3 | t | Chloromethane | 0.454 | 0.442 | 2.6 | 96 | 0.00 |
| 4 | Rt | Vinyl Chloride | 0.428 | 0.422 | 1.4 | 94 | 0.00 |
| 5 | T | Bromomethane | 0.255 | 0.222 | 12.9 | 90 | 0.00 |
| 6 | T | Chloroethane | 0.261 | 0.240 | 8.0 | 95 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.481 | 0.479 | 0.4 | 94 | 0.00 |
| 8 | | 1,1,2-Trichloro-1,2,2-trifl | 0.277 | 0.270 | 2.5 | 91 | 0.00 |
| 9 | Rt | 1,1-Dichloroethene | 0.262 | 0.253 | 3.4 | 91 | 0.00 |
| 10 | t | Iodomethane | 0.337 | 0.336 | 0.3 | 87 | 0.00 |
| 11 | t | Allyl Chloride | 0.422 | 0.434 | -2.8 | 98 | 0.00 |
| 12 | t | Acrylonitrile | 0.053 | 0.050 | 5.7 | 83 | 0.00 |
| 13 | T | Acetone | 0.034 | 0.026 | 23.5 | 72 | 0.00 |
| 14 | T | Carbon Disulfide | 0.903 | 0.872 | 3.4 | 92 | 0.00 |
| 15 | RT | Methylene Chloride | 0.394 | 0.301 | 23.6 | 93 | 0.00 |
| 16 | RT | trans-1,2-Dichloroethene | 0.290 | 0.279 | 3.8 | 93 | 0.00 |
| 17 | t | 1,1-Dichloroethane | 0.556 | 0.554 | 0.4 | 94 | 0.00 |
| 18 | T | 2-Butanone | 0.067 | 0.056 | 16.4 | 76 | 0.00 |
| 19 | | Cyclohexane | 0.528 | 0.538 | -1.9 | 95 | 0.00 |
| 20 | | Methylcyclohexane | 0.422 | 0.493 | -16.8 | 95 | 0.00 |
| 21 | T | 2,2-Dichloropropane | 0.441 | 0.453 | -2.7 | 100 | 0.00 |
| 22 | RT | cis-1,2-Dichloroethene | 0.309 | 0.304 | 1.6 | 92 | 0.00 |
| 23 | t | Diethyl Ether | 0.214 | 0.214 | 0.0 | 94 | 0.00 |
| 24 | t | tert-Butyl Alcohol | 0.025 | 0.012 | 52.0# | 44 | 0.00 |
| 25 | t | Methyl tert-Butyl Ether | 0.658 | 0.648 | 1.5 | 90 | 0.00 |
| 26 | t | Bromochloromethane | 0.125 | 0.126 | -0.8 | 93 | 0.00 |
| 27 | t | Chloroform | 0.543 | 0.541 | 0.4 | 95 | 0.00 |
| 28 | RT | 1,1,1-Trichloroethane | 0.458 | 0.460 | -0.4 | 95 | 0.00 |
| 29 | T | 1,1-Dichloropropene | 0.429 | 0.449 | -4.7 | 96 | 0.00 |
| 30 | RT | Carbon Tetrachloride | 0.400 | 0.412 | -3.0 | 96 | 0.00 |
| 31 | t | Isopropyl Ether | 0.883 | 0.889 | -0.7 | 95 | 0.00 |
| 32 | | Ethyl-t-butyl ether | 0.793 | 0.810 | -2.1 | 94 | 0.00 |
| 33 | | Tert-Amyl methyl ether | 0.614 | 0.683 | -11.2 | 96 | 0.00 |
| 34 | t | Propionitrile | 0.018 | 0.016 | 11.1 | 73 | 0.00 |
| 35 | RT | Benzene | 1.247 | 1.309 | -5.0 | 97 | 0.00 |
| 36 | RT | 1,2-Dichloroethane | 0.364 | 0.381 | -4.7 | 99 | 0.00 |
| 37 | RT | Trichloroethene | 0.288 | 0.292 | -1.4 | 94 | 0.00 |
| 38 | Rt | 1,2-Dichloropropane | 0.329 | 0.354 | -7.6 | 98 | 0.00 |
| 39 | t | Methacrylonitrile | 0.099 | 0.094 | 5.1 | 86 | 0.00 |
| 40 | t | Methyl acrylate | 0.160 | 0.139 | 13.1 | 71 | 0.00 |
| 41 | t | Tetrahydrofuran | 0.050 | 0.043 | 14.0 | 70 | 0.00 |
| 42 | t | 1-Chlorobutane | 0.618 | 0.639 | -3.4 | 97 | 0.00 |
| 43 | T | Dibromomethane | 0.162 | 0.171 | -5.6 | 98 | 0.00 |
| 44 | T | Bromodichloromethane | 0.403 | 0.427 | -6.0 | 98 | 0.00 |
| 45 | T | 4-Methyl-2-Pentanone | 0.179 | 0.208 | -16.2 | 101 | 0.00 |
| 46 | t | t-1,4-Dichloro-2-butene | 0.080 | 0.091 | -13.7 | 103 | 0.00 |
| 47 | t | Methyl methacrylate | 0.137 | 0.159 | -16.1 | 96 | 0.00 |
| 48 | t | Ethyl methacrylate | 0.250 | 0.291 | -16.4 | 96 | 0.00 |
| 49 | Rt | Toluene | 0.689 | 0.798 | -15.8 | 97 | 0.00 |

Evaluate Continuing Calibration Report

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Data File : VU044044.D
Acq On : 04 Jun 2021 10:19
Operator : SY/MD
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 07 02:15:41 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060221DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jun 03 11:17:14 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 | 0.349 | 0.388 | -11.2 | 97 | 0.00 |
| 51 | T | cis-1,3-Dichloropropene | 0.393 | 0.438 | -11.5 | 97 | 0.00 |
| 52 | RT | 1,1,2-Trichloroethane | 0.233 | 0.241 | -3.4 | 95 | 0.00 |
| 53 | t | 1,3-Dichloropropane | 0.408 | 0.437 | -7.1 | 98 | 0.00 |
| 54 | t | 2-Hexanone | 0.124 | 0.147 | -18.5 | 100 | 0.00 |
| 55 | t | Dibromochloromethane | 0.255 | 0.267 | -4.7 | 96 | 0.00 |
| 56 | T | 1,2-Dibromoethane | 0.206 | 0.221 | -7.3 | 97 | 0.00 |
| 57 | S | 4-Bromofluorobenzene | 0.348 | 0.446 | -28.2 | 112 | 0.00 |
| 58 | RT | Tetrachloroethene | 0.268 | 0.294 | -9.7 | 98 | 0.00 |
| 59 | Rt | Chlorobenzene | 0.723 | 0.770 | -6.5 | 94 | 0.00 |
| 60 | T | 1,1,1,2-Tetrachloroethane | 0.274 | 0.281 | -2.6 | 93 | 0.00 |
| 61 | t | Pentachloroethane | 0.222 | 0.212 | 4.5 | 89 | 0.00 |
| 62 | t | Hexachloroethane | 0.220 | 0.240 | -9.1 | 98 | 0.00 |
| 63 | Rt | Ethyl Benzene | 1.194 | 1.449 | -21.4 | 96 | 0.00 |
| 64 | RT | m/p-Xylenes | 0.473 | 0.586 | -23.9 | 96 | 0.00 |
| 65 | RT | o-Xylene | 0.440 | 0.526 | -19.5 | 94 | 0.00 |
| 66 | RT | Styrene | 0.777 | 0.966 | -24.3 | 96 | 0.00 |
| 67 | t | Bromoform | 0.140 | 0.146 | -4.3 | 95 | 0.00 |
| 68 | S | 1,2-Dichlorobenzene-d4 | 0.371 | 0.373 | -0.5 | 94 | 0.00 |
| 69 | T | Isopropylbenzene | 1.166 | 1.400 | -20.1 | 94 | 0.00 |
| 70 | T | 1,1,2,2-Tetrachloroethane | 0.306 | 0.309 | -1.0 | 94 | 0.00 |
| 71 | T | 1,2,3-Trichloropropane | 0.231 | 0.220 | 4.8 | 84 | 0.00 |
| 72 | t | Bromobenzene | 0.294 | 0.316 | -7.5 | 93 | 0.00 |
| 73 | t | n-propylbenzene | 0.327 | 0.408 | -24.8 | 96 | 0.00 |
| 74 | t | 2-Chlorotoluene | 0.293 | 0.337 | -15.0 | 93 | 0.00 |
| 75 | t | 1,3,5-Trimethylbenzene | 1.047 | 1.290 | -23.2 | 95 | 0.00 |
| 76 | t | 4-Chlorotoluene | 0.317 | 0.360 | -13.6 | 92 | 0.00 |
| 77 | t | tert-Butylbenzene | 1.000 | 1.150 | -15.0 | 93 | 0.00 |
| 78 | t | 1,2,4-Trimethylbenzene | 1.075 | 1.334 | -24.1 | 95 | 0.00 |
| 79 | t | sec-Butylbenzene | 1.405 | 1.673 | -19.1 | 94 | 0.00 |
| 80 | | Nitrobenzene | 0.009 | 0.011 | -22.2 | 107 | 0.00 |
| 81 | t | p-Isopropyltoluene | 1.140 | 1.397 | -22.5 | 95 | 0.00 |
| 82 | t | 1,3-Dichlorobenzene | 0.643 | 0.680 | -5.8 | 93 | 0.00 |
| 83 | Rt | 1,4-Dichlorobenzene | 0.640 | 0.685 | -7.0 | 93 | 0.00 |
| 84 | t | n-Butylbenzene | 1.131 | 1.403 | -24.0 | 96 | 0.00 |
| 85 | Rt | 1,2-Dichlorobenzene | 0.612 | 0.642 | -4.9 | 92 | 0.00 |
| 86 | t | 1,2-Dibromo-3-Chloropropane | 0.046 | 0.049 | -6.5 | 92 | 0.00 |
| 87 | Rt | 1,2,4-Trichlorobenzene | 0.361 | 0.373 | -3.3 | 89 | 0.00 |
| 88 | t | Hexachlorobutadiene | 0.234 | 0.244 | -4.3 | 93 | 0.00 |
| 89 | t | Naphthalene | 0.622 | 0.670 | -7.7 | 87 | 0.00 |
| 90 | t | 1,2,3-Trichlorobenzene | 0.348 | 0.376 | -8.0 | 89 | 0.00 |

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