# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081922\
Data File : VU050390.D
Acq On : 20 Aug 2022 01:32
Operator : SY/MD
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

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

Quant Time: Aug 25 20:18:08 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Aug 25 14:01:59 2022
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 | 100 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.414 | 0.400 | 3.4 | 93 | 0.00 |
| 3 | t | Chloromethane | 0.504 | 0.454 | 9.9 | 89 | 0.00 |
| 4 | Rt | Vinyl Chloride | 0.431 | 0.429 | 0.5 | 95 | 0.00 |
| 5 | T | Bromomethane | 0.176 | 0.151 | 14.2 | 88 | 0.00 |
| 6 | T | Chloroethane | 0.260 | 0.253 | 2.7 | 93 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.537 | 0.532 | 0.9 | 95 | 0.00 |
| 8 | | 1,1,2-Trichloro-1,2,2-trifl | 0.300 | 0.283 | 5.7 | 92 | 0.00 |
| 9 | Rt | 1,1-Dichloroethene | 0.295 | 0.291 | 1.4 | 95 | 0.00 |
| 10 | t | Iodomethane | 0.243 | 0.190 | 21.8 | 73 | 0.00 |
| 11 | t | Allyl Chloride | 0.454 | 0.421 | 7.3 | 89 | 0.01 |
| 12 | t | Acrylonitrile | 0.088 | 0.092 | -4.5 | 99 | 0.02 |
| 13 | T | Acetone | 0.062 | 0.065 | -4.8 | 103 | 0.01 |
| 14 | T | Carbon Disulfide | 0.912 | 0.846 | 7.2 | 91 | 0.00 |
| 15 | RT | Methylene Chloride | 0.398 | 0.410 | -3.0 | 113 | 0.02 |
| 16 | RT | trans-1,2-Dichloroethene | 0.304 | 0.306 | -0.7 | 97 | 0.01 |
| 17 | t | 1,1-Dichloroethane | 0.634 | 0.618 | 2.5 | 95 | 0.01 |
| 18 | T | 2-Butanone | 0.097 | 0.107 | -10.3 | 103 | 0.02 |
| 19 | | Cyclohexane | 0.460 | 0.450 | 2.2 | 96 | -0.02 |
| 20 | | Methylcyclohexane | 0.363 | 0.383 | -5.5 | 89 | 0.02 |
| 21 | T | 2,2-Dichloropropane | 0.482 | 0.299 | 38.0# | 64 | 0.00 |
| 22 | RT | cis-1,2-Dichloroethene | 0.344 | 0.335 | 2.6 | 94 | 0.00 |
| 23 | t | Diethyl Ether | 0.253 | 0.252 | 0.4 | 96 | 0.00 |
| 24 | t | tert-Butyl Alcohol | 0.032 | 0.024 | 25.0 | 81 | 0.03 |
| 25 | t | Methyl tert-Butyl Ether | 0.782 | 0.773 | 1.2 | 96 | 0.02 |
| 26 | t | Bromochloromethane | 0.138 | 0.133 | 3.6 | 96 | 0.00 |
| 27 | t | Chloroform | 0.614 | 0.602 | 2.0 | 96 | 0.00 |
| 28 | RT | 1,1,1-Trichloroethane | 0.524 | 0.518 | 1.1 | 96 | -0.01 |
| 29 | T | 1,1-Dichloropropene | 0.420 | 0.406 | 3.3 | 95 | -0.02 |
| 30 | RT | Carbon Tetrachloride | 0.420 | 0.417 | 0.7 | 94 | -0.02 |
| 31 | t | Isopropyl Ether | 0.984 | 0.941 | 4.4 | 93 | 0.02 |
| 32 | | Ethyl-t-butyl ether | 0.773 | 0.789 | -2.1 | 96 | 0.01 |
| 33 | | Tert-Amyl methyl ether | 0.504 | 0.553 | -9.7 | 90 | 0.01 |
| 34 | t | Propionitrile | 0.029 | 0.035 | -20.7 | 134 | 0.02 |
| 35 | RT | Benzene | 1.234 | 1.214 | 1.6 | 92 | 0.00 |
| 36 | RT | 1,2-Dichloroethane | 0.377 | 0.371 | 1.6 | 95 | 0.00 |
| 37 | RT | Trichloroethene | 0.296 | 0.297 | -0.3 | 96 | 0.02 |
| 38 | Rt | 1,2-Dichloropropane | 0.331 | 0.342 | -3.3 | 95 | 0.03 |
| 39 | t | Methacrylonitrile | 0.118 | 0.103 | 12.7 | 93 | 0.00 |
| 40 | t | Methyl acrylate | 0.179 | 0.204 | -14.0 | 122 | 0.00 |
| 41 | t | Tetrahydrofuran | 0.059 | 0.050 | 15.3 | 83 | 0.02 |
| 42 | t | 1-Chlorobutane | 0.598 | 0.581 | 2.8 | 97 | -0.01 |
| 43 | T | Dibromomethane | 0.179 | 0.181 | -1.1 | 95 | 0.02 |
| 44 | T | Bromodichloromethane | 0.421 | 0.420 | 0.2 | 94 | 0.02 |
| 45 | T | 4-Methyl-2-Pentanone | 0.179 | 0.204 | -14.0 | 95 | 0.03 |
| 46 | t | t-1,4-Dichloro-2-butene | 0.090 | 0.094 | -4.4 | 81 | 0.00 |
| 47 | t | Methyl methacrylate | 0.134 | 0.161 | -20.1 | 96 | 0.03 |
| 48 | t | Ethyl methacrylate | 0.244 | 0.282 | -15.6 | 93 | 0.02 |
| 49 | Rt | Toluene | 0.663 | 0.755 | -13.9 | 94 | 0.01 |

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

Quant Time: Aug 25 20:18:08 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Aug 25 14:01:59 2022
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 | 0.328 | 0.339 | -3.4 | 90 | 0.02 |
| 51 | T | cis-1,3-Dichloropropene | 0.376 | 0.371 | 1.3 | 87 | 0.02 |
| 52 | RT | 1,1,2-Trichloroethane | 0.263 | 0.265 | -0.8 | 94 | 0.01 |
| 53 | t | 1,3-Dichloropropane | 0.413 | 0.440 | -6.5 | 96 | 0.00 |
| 54 | t | 2-Hexanone | 0.125 | 0.143 | -14.4 | 96 | 0.02 |
| 55 | t | Dibromochloromethane | 0.289 | 0.289 | 0.0 | 95 | 0.00 |
| 56 | T | 1,2-Dibromoethane | 0.236 | 0.246 | -4.2 | 95 | 0.00 |
| 57 | S | 4-Bromofluorobenzene | 0.340 | 0.372 | -9.4 | 93 | 0.00 |
| 58 | RT | Tetrachloroethene | 0.278 | 0.283 | -1.8 | 96 | 0.00 |
| 59 | Rt | Chlorobenzene | 0.716 | 0.787 | -9.9 | 96 | 0.00 |
| 60 | T | 1,1,1,2-Tetrachloroethane | 0.301 | 0.309 | -2.7 | 96 | 0.00 |
| 61 | t | Pentachloroethane | 0.250 | 0.252 | -0.8 | 93 | 0.00 |
| 62 | t | Hexachloroethane | 0.208 | 0.223 | -7.2 | 95 | 0.00 |
| 63 | Rt | Ethyl Benzene | 1.140 | 1.354 | -18.8 | 93 | 0.00 |
| 64 | RT | m/p-Xylenes | 0.444 | 0.557 | -25.5 | 94 | 0.00 |
| 65 | RT | o-Xylene | 0.423 | 0.511 | -20.8 | 94 | 0.00 |
| 66 | RT | Styrene | 0.720 | 0.928 | -28.9 | 95 | 0.00 |
| 67 | t | Bromoform | 0.164 | 0.166 | -1.2 | 93 | 0.00 |
| 68 | S | 1,2-Dichlorobenzene-d4 | 0.402 | 0.421 | -4.7 | 99 | 0.00 |
| 69 | T | Isopropylbenzene | 1.100 | 1.353 | -23.0 | 96 | 0.00 |
| 70 | T | 1,1,2,2-Tetrachloroethane | 0.361 | 0.368 | -1.9 | 96 | 0.00 |
| 71 | T | 1,2,3-Trichloropropane | 0.272 | 0.188 | 30.9# | 63 | 0.00 |
| 72 | t | Bromobenzene | 0.309 | 0.347 | -12.3 | 97 | 0.00 |
| 73 | t | n-propylbenzene | 0.300 | 0.372 | -24.0 | 92 | 0.00 |
| 74 | t | 2-Chlorotoluene | 0.291 | 0.348 | -19.6 | 94 | 0.00 |
| 75 | t | 1,3,5-Trimethylbenzene | 0.973 | 1.248 | -28.3 | 95 | 0.00 |
| 76 | t | 4-Chlorotoluene | 0.298 | 0.359 | -20.5 | 90 | 0.00 |
| 77 | t | tert-Butylbenzene | 0.957 | 1.137 | -18.8 | 94 | 0.00 |
| 78 | t | 1,2,4-Trimethylbenzene | 1.003 | 1.286 | -28.2 | 95 | 0.00 |
| 79 | t | sec-Butylbenzene | 1.258 | 1.573 | -25.0 | 95 | 0.00 |
| 80 | | Nitrobenzene | 0.020 | 0.019 | 5.0 | 92 | 0.00 |
| 81 | t | p-Isopropyltoluene | 1.003 | 1.275 | -27.1 | 94 | 0.00 |
| 82 | t | 1,3-Dichlorobenzene | 0.636 | 0.711 | -11.8 | 95 | 0.00 |
| 83 | Rt | 1,4-Dichlorobenzene | 0.633 | 0.724 | -14.4 | 97 | 0.00 |
| 84 | t | n-Butylbenzene | 0.948 | 1.149 | -21.2 | 95 | 0.00 |
| 85 | Rt | 1,2-Dichlorobenzene | 0.625 | 0.701 | -12.2 | 97 | 0.00 |
| 86 | t | 1,2-Dibromo-3-Chloropropane | 0.057 | 0.058 | -1.8 | 95 | 0.00 |
| 87 | Rt | 1,2,4-Trichlorobenzene | 0.357 | 0.409 | -14.6 | 96 | 0.00 |
| 88 | t | Hexachlorobutadiene | 0.232 | 0.249 | -7.3 | 97 | 0.00 |
| 89 | t | Naphthalene | 0.786 | 0.845 | -7.5 | 92 | 0.00 |
| 90 | t | 1,2,3-Trichlorobenzene | 0.376 | 0.466 | -23.9 | 101 | 0.00 |

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