Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022122\
Data File : VU047229.D
Acq On : 21 Feb 2022 18:38
Operator : SY/MD
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Feb 22 12:44:47 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021422DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Feb 15 03:17:28 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 | 96 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.333 | 0.321 | 3.6 | 86 | 0.00 |
| 3 | t | Chloromethane | 0.342 | 0.480 | -40.4# | 126 | 0.00 |
| 4 | Rt | Vinyl Chloride | 0.338 | 0.317 | 6.2 | 85 | 0.00 |
| 5 | T | Bromomethane | 0.221 | 0.089 | 59.7# | 39 | 0.00 |
| 6 | T | Chloroethane | 0.194 | 0.186 | 4.1 | 88 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.398 | 0.426 | -7.0 | 96 | 0.00 |
| 8 | | 1,1,2-Trichloro-1,2,2-trifl | 0.230 | 0.232 | -0.9 | 91 | 0.00 |
| 9 | Rt | 1,1-Dichloroethene | 0.236 | 0.238 | -0.8 | 94 | 0.00 |
| 10 | t | Iodomethane | 0.223 | 0.101 | 54.7# | 35 | 0.00 |
| 11 | t | Allyl Chloride | 0.368 | 0.321 | 12.8 | 79 | 0.00 |
| 12 | t | Acrylonitrile | 0.069 | 0.064 | 7.2 | 98 | 0.01 |
| 13 | T | Acetone | 0.040 | 0.049 | -22.5 | 126 | 0.03 |
| 14 | T | Carbon Disulfide | 0.800 | 0.737 | 7.9 | 83 | 0.00 |
| 15 | RT | Methylene Chloride | 0.265 | 0.280 | -5.7 | 98 | 0.00 |
| 16 | RT | trans-1,2-Dichloroethene | 0.249 | 0.252 | -1.2 | 91 | 0.00 |
| 17 | t | 1,1-Dichloroethane | 0.457 | 0.439 | 3.9 | 87 | 0.00 |
| 18 | T | 2-Butanone | 0.070 | 0.080 | -14.3 | 109 | 0.02 |
| 19 | | Cyclohexane | 0.423 | 0.395 | 6.6 | 84 | 0.00 |
| 20 | | Methylcyclohexane | 0.467 | 0.449 | 3.9 | 86 | 0.00 |
| 21 | T | 2,2-Dichloropropane | 0.408 | 0.398 | 2.5 | 87 | 0.00 |
| 22 | RT | cis-1,2-Dichloroethene | 0.287 | 0.280 | 2.4 | 89 | 0.00 |
| 23 | t | Diethyl Ether | 0.191 | 0.192 | -0.5 | 92 | 0.00 |
| 24 | t | tert-Butyl Alcohol | 0.012 | 0.008 | 33.3# | 62 | 0.11 |
| 25 | t | Methyl tert-Butyl Ether | 0.663 | 0.639 | 3.6 | 89 | 0.00 |
| 26 | t | Bromochloromethane | 0.129 | 0.117 | 9.3 | 82 | 0.00 |
| 27 | t | Chloroform | 0.464 | 0.458 | 1.3 | 92 | 0.00 |
| 28 | RT | 1,1,1-Trichloroethane | 0.402 | 0.403 | -0.2 | 91 | 0.00 |
| 29 | T | 1,1-Dichloropropene | 0.368 | 0.360 | 2.2 | 88 | 0.00 |
| 30 | RT | Carbon Tetrachloride | 0.353 | 0.345 | 2.3 | 87 | 0.00 |
| 31 | t | Isopropyl Ether | 0.731 | 0.694 | 5.1 | 85 | 0.00 |
| 32 | | Ethyl-t-butyl ether | 0.743 | 0.677 | 8.9 | 81 | 0.00 |
| 33 | | Tert-Amyl methyl ether | 0.684 | 0.626 | 8.5 | 83 | 0.00 |
| 34 | t | Propionitrile | 0.019 | 0.025 | -31.6# | 130 | 0.03 |
| 35 | RT | Benzene | 1.030 | 1.016 | 1.4 | 88 | 0.00 |
| 36 | RT | 1,2-Dichloroethane | 0.312 | 0.310 | 0.6 | 89 | 0.00 |
| 37 | RT | Trichloroethene | 0.285 | 0.292 | -2.5 | 92 | 0.00 |
| 38 | Rt | 1,2-Dichloropropane | 0.273 | 0.263 | 3.7 | 87 | 0.00 |
| 39 | t | Methacrylonitrile | 0.094 | 0.093 | 1.1 | 94 | 0.00 |
| 40 | t | Methyl acrylate | 0.159 | 0.184 | -15.7 | 110 | 0.00 |
| 41 | t | Tetrahydrofuran | 0.048 | 0.051 | -6.2 | 113 | 0.01 |
| 42 | t | 1-Chlorobutane | 0.494 | 0.474 | 4.0 | 86 | 0.00 |
| 43 | T | Dibromomethane | 0.147 | 0.150 | -2.0 | 91 | 0.00 |
| 44 | T | Bromodichloromethane | 0.348 | 0.342 | 1.7 | 87 | 0.00 |
| 45 | T | 4-Methyl-2-Pentanone | 0.199 | 0.187 | 6.0 | 83 | 0.00 |
| 46 | t | t-1,4-Dichloro-2-butene | 0.087 | 0.059 | 32.2# | 74 | 0.00 |
| 47 | t | Methyl methacrylate | 0.154 | 0.151 | 1.9 | 90 | 0.00 |
| 48 | t | Ethyl methacrylate | 0.313 | 0.304 | 2.9 | 84 | 0.00 |
| 49 | Rt | Toluene | 0.664 | 0.654 | 1.5 | 87 | 0.00 |

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Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Feb 22 12:44:47 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021422DW.M
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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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 50 | T | t-1,3-Dichloropropene | 0.376 | 0.365 | 2.9 | 85 | 0.00 |
| 51 | T | cis-1,3-Dichloropropene | 0.422 | 0.408 | 3.3 | 85 | 0.00 |
| 52 | RT | 1,1,2-Trichloroethane | 0.210 | 0.209 | 0.5 | 90 | 0.00 |
| 53 | t | 1,3-Dichloropropane | 0.375 | 0.360 | 4.0 | 85 | 0.00 |
| 54 | t | 2-Hexanone | 0.148 | 0.137 | 7.4 | 83 | 0.00 |
| 55 | t | Dibromochloromethane | 0.255 | 0.251 | 1.6 | 85 | 0.00 |
| 56 | T | 1,2-Dibromoethane | 0.212 | 0.213 | -0.5 | 88 | 0.00 |
| 57 | S | 4-Bromofluorobenzene | 0.387 | 0.375 | 3.1 | 91 | 0.00 |
| 58 | RT | Tetrachloroethene | 0.263 | 0.264 | -0.4 | 90 | 0.00 |
| 59 | Rt | Chlorobenzene | 0.741 | 0.725 | 2.2 | 87 | 0.00 |
| 60 | T | 1,1,1,2-Tetrachloroethane | 0.255 | 0.261 | -2.4 | 89 | 0.00 |
| 61 | t | Pentachloroethane | 0.193 | 0.206 | -6.7 | 90 | 0.00 |
| 62 | t | Hexachloroethane | 0.209 | 0.188 | 10.0 | 76 | 0.00 |
| 63 | Rt | Ethyl Benzene | 1.302 | 1.272 | 2.3 | 87 | 0.00 |
| 64 | RT | m/p-Xylenes | 0.496 | 0.483 | 2.6 | 85 | 0.00 |
| 65 | RT | o-Xylene | 0.481 | 0.471 | 2.1 | 86 | 0.00 |
| 66 | RT | Styrene | 0.816 | 0.805 | 1.3 | 86 | 0.00 |
| 67 | t | Bromoform | 0.162 | 0.153 | 5.6 | 81 | 0.00 |
| 68 | S | 1,2-Dichlorobenzene-d4 | 0.403 | 0.406 | -0.7 | 94 | 0.00 |
| 69 | T | Isopropylbenzene | 1.293 | 1.263 | 2.3 | 86 | 0.00 |
| 70 | T | 1,1,2,2-Tetrachloroethane | 0.284 | 0.287 | -1.1 | 90 | 0.00 |
| 71 | T | 1,2,3-Trichloropropane | 0.239 | 0.244 | -2.1 | 86 | 0.00 |
| 72 | t | Bromobenzene | 0.316 | 0.319 | -0.9 | 89 | 0.00 |
| 73 | t | n-propylbenzene | 0.356 | 0.352 | 1.1 | 86 | 0.00 |
| 74 | t | 2-Chlorotoluene | 0.304 | 0.302 | 0.7 | 87 | 0.00 |
| 75 | t | 1,3,5-Trimethylbenzene | 1.061 | 1.049 | 1.1 | 86 | 0.00 |
| 76 | t | 4-Chlorotoluene | 0.319 | 0.319 | 0.0 | 88 | 0.00 |
| 77 | t | tert-Butylbenzene | 1.064 | 1.056 | 0.8 | 87 | 0.00 |
| 78 | t | 1,2,4-Trimethylbenzene | 1.082 | 1.060 | 2.0 | 87 | 0.00 |
| 79 | t | sec-Butylbenzene | 1.413 | 1.388 | 1.8 | 85 | 0.00 |
| 80 | | Nitrobenzene | 0.014 | 0.007 | 50.0# | 43 | 0.00 |
| 81 | t | p-Isopropyltoluene | 1.196 | 1.177 | 1.6 | 86 | 0.00 |
| 82 | t | 1,3-Dichlorobenzene | 0.615 | 0.609 | 1.0 | 87 | 0.00 |
| 83 | Rt | 1,4-Dichlorobenzene | 0.619 | 0.616 | 0.5 | 89 | 0.00 |
| 84 | t | n-Butylbenzene | 1.148 | 1.140 | 0.7 | 86 | 0.00 |
| 85 | Rt | 1,2-Dichlorobenzene | 0.592 | 0.591 | 0.2 | 89 | 0.00 |
| 86 | t | 1,2-Dibromo-3-Chloropropane | 0.052 | 0.051 | 1.9 | 88 | 0.00 |
| 87 | Rt | 1,2,4-Trichlorobenzene | 0.465 | 0.476 | -2.4 | 90 | 0.00 |
| 88 | t | Hexachlorobutadiene | 0.238 | 0.243 | -2.1 | 90 | 0.00 |
| 89 | t | Naphthalene | 0.952 | 0.928 | 2.5 | 87 | 0.00 |
| 90 | t | 1,2,3-Trichlorobenzene | 0.417 | 0.429 | -2.9 | 89 | 0.00 |

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