Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091225\
Data File : VU063569.D
Acq On : 12 Sep 2025 15:44
Operator : MD/SY
Sample : VSTDICV010
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
ICVVU091225

Quant Time: Sep 15 13:39:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091225DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Sat Sep 13 03:31:19 2025
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 | 0.330 | 0.233 | 29.4 | 66 | 0.00 |
| 3 | t | Chloromethane | 0.323 | 0.307 | 5.0 | 91 | 0.00 |
| 4 | Rt | Vinyl Chloride | 0.350 | 0.345 | 1.4 | 92 | 0.00 |
| 5 | T | Bromomethane | 0.216 | 0.205 | 5.1 | 97 | 0.00 |
| 6 | T | Chloroethane | 0.225 | 0.217 | 3.6 | 93 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.514 | 0.485 | 5.6 | 87 | 0.00 |
| 8 | | 1,1,2-Trichloro-1,2,2-trifl | 0.288 | 0.277 | 3.8 | 93 | 0.00 |
| 9 | Rt | 1,1-Dichloroethene | 0.261 | 0.270 | -3.4 | 97 | 0.00 |
| 10 | t | Iodomethane | 0.375 | 0.384 | -2.4 | 92 | 0.00 |
| 11 | t | Allyl Chloride | 0.433 | 0.474 | -9.5 | 101 | 0.00 |
| 12 | t | Acrylonitrile | 0.079 | 0.180 | -127.8# | 214# | 0.00 |
| 13 | T | Acetone | 0.112 | 0.095 | 15.2 | 98 | 0.00 |
| 14 | T | Carbon Disulfide | 0.544 | 0.727 | -33.6# | 123 | 0.00 |
| 15 | RT | Methylene Chloride | 0.344 | 0.329 | 4.4 | 97 | 0.00 |
| 16 | RT | trans-1,2-Dichloroethene | 0.278 | 0.287 | -3.2 | 98 | 0.00 |
| 17 | t | 1,1-Dichloroethane | 0.636 | 0.599 | 5.8 | 90 | 0.00 |
| 18 | T | 2-Butanone | 0.127 | 0.112 | 11.8 | 90 | 0.00 |
| 19 | | Cyclohexane | 0.509 | 0.523 | -2.8 | 96 | 0.00 |
| 20 | | Methylcyclohexane | 0.467 | 0.539 | -15.4 | 105 | 0.00 |
| 21 | T | 2,2-Dichloropropane | 0.470 | 0.453 | 3.6 | 90 | 0.00 |
| 22 | RT | cis-1,2-Dichloroethene | 0.341 | 0.349 | -2.3 | 96 | 0.00 |
| 23 | t | Diethyl Ether | 0.231 | 0.218 | 5.6 | 90 | 0.00 |
| 24 | t | tert-Butyl Alcohol | 0.031 | 0.023 | 25.8 | 75 | 0.00 |
| 25 | t | Methyl tert-Butyl Ether | 0.778 | 0.733 | 5.8 | 89 | 0.00 |
| 26 | t | Bromochloromethane | 0.138 | 0.131 | 5.1 | 89 | 0.00 |
| 27 | t | Chloroform | 0.637 | 0.598 | 6.1 | 89 | 0.00 |
| 28 | RT | 1,1,1-Trichloroethane | 0.489 | 0.487 | 0.4 | 92 | 0.00 |
| 29 | T | 1,1-Dichloropropene | 0.455 | 0.424 | 6.8 | 90 | 0.00 |
| 30 | RT | Carbon Tetrachloride | 0.360 | 0.376 | -4.4 | 92 | 0.00 |
| 31 | t | Isopropyl Ether | 1.066 | 1.038 | 2.6 | 93 | 0.00 |
| 32 | | Ethyl-t-butyl ether | 0.911 | 0.001 | 99.9# | 0# | 0.00 |
| 33 | | Tert-Amyl methyl ether | 0.776 | 0.023 | 97.0# | 3# | -0.19 |
| 34 | t | Propionitrile | 0.030 | 0.054 | -80.0# | 176 | 0.00 |
| 35 | RT | Benzene | 1.309 | 1.329 | -1.5 | 96 | 0.00 |
| 36 | RT | 1,2-Dichloroethane | 0.442 | 0.394 | 10.9 | 85 | 0.00 |
| 37 | RT | Trichloroethene | 0.326 | 0.307 | 5.8 | 90 | 0.00 |
| 38 | Rt | 1,2-Dichloropropane | 0.347 | 0.335 | 3.5 | 84 | 0.00 |
| 39 | t | Methacrylonitrile | 0.140 | 0.119 | 15.0 | 88 | 0.00 |
| 40 | t | Methyl acrylate | 0.193 | 0.179 | 7.3 | 92 | 0.00 |
| 41 | t | Tetrahydrofuran | 0.073 | 0.156 | -113.7# | 218# | 0.00 |
| 42 | t | 1-Chlorobutane | 0.637 | 0.668 | -4.9 | 99 | 0.00 |
| 43 | T | Dibromomethane | 0.166 | 0.171 | -3.0 | 96 | 0.00 |
| 44 | T | Bromodichloromethane | 0.355 | 0.389 | -9.6 | 97 | 0.00 |
| 45 | T | 4-Methyl-2-Pentanone | 0.208 | 0.199 | 4.3 | 87 | 0.00 |
| 46 | t | t-1,4-Dichloro-2-butene | 0.078 | 0.053 | 32.1# | 60 | 0.00 |
| 47 | t | Methyl methacrylate | 0.149 | 0.080 | 46.3# | 49 | 0.00 |
| 48 | t | Ethyl methacrylate | 0.276 | 0.274 | 0.7 | 88 | 0.00 |
| 49 | Rt | Toluene | 0.710 | 0.730 | -2.8 | 92 | 0.00 |

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Acq On : 12 Sep 2025 15:44
Operator : MD/SY
Sample : VSTDICV010
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
ICVVU091225

Quant Time: Sep 15 13:39:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091225DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Sat Sep 13 03:31:19 2025
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 | 0.266 | 0.258 | 3.0 | 86 | 0.00 |
| 51 | T | cis-1,3-Dichloropropene | 0.354 | 0.355 | -0.3 | 86 | 0.00 |
| 52 | RT | 1,1,2-Trichloroethane | 0.235 | 0.218 | 7.2 | 84 | 0.00 |
| 53 | t | 1,3-Dichloropropane | 0.409 | 0.370 | 9.5 | 84 | 0.00 |
| 54 | t | 2-Hexanone | 0.152 | 0.145 | 4.6 | 91 | 0.00 |
| 55 | t | Dibromochloromethane | 0.228 | 0.221 | 3.1 | 85 | 0.00 |
| 56 | T | 1,2-Dibromoethane | 0.203 | 0.191 | 5.9 | 87 | 0.00 |
| 57 | S | 4-Bromofluorobenzene | 0.373 | 0.400 | -7.2 | 98 | 0.00 |
| 58 | RT | Tetrachloroethene | 0.321 | 0.327 | -1.9 | 95 | 0.00 |
| 59 | Rt | Chlorobenzene | 0.818 | 0.827 | -1.1 | 91 | 0.00 |
| 60 | T | 1,1,1,2-Tetrachloroethane | 0.267 | 0.248 | 7.1 | 82 | 0.00 |
| 61 | t | Pentachloroethane | 0.192 | 0.189 | 1.6 | 87 | 0.00 |
| 62 | t | Hexachloroethane | 0.167 | 0.168 | -0.6 | 85 | 0.00 |
| 63 | Rt | Ethyl Benzene | 1.397 | 1.452 | -3.9 | 91 | 0.00 |
| 64 | RT | m/p-Xylenes | 0.537 | 0.572 | -6.5 | 94 | 0.00 |
| 65 | RT | o-Xylene | 0.537 | 0.550 | -2.4 | 91 | 0.00 |
| 66 | RT | Styrene | 0.858 | 0.906 | -5.6 | 91 | 0.00 |
| 67 | t | Bromoform | 0.114 | 0.113 | 0.9 | 83 | 0.00 |
| 68 | S | 1,2-Dichlorobenzene-d4 | 0.380 | 0.395 | -3.9 | 90 | 0.00 |
| 69 | T | Isopropylbenzene | 1.305 | 1.463 | -12.1 | 98 | 0.00 |
| 70 | T | 1,1,2,2-Tetrachloroethane | 0.300 | 0.266 | 11.3 | 80 | 0.00 |
| 71 | T | 1,2,3-Trichloropropane | 0.222 | 0.181 | 18.5 | 77 | 0.00 |
| 72 | t | Bromobenzene | 0.338 | 0.345 | -2.1 | 92 | 0.00 |
| 73 | t | n-propylbenzene | 0.377 | 0.394 | -4.5 | 88 | 0.00 |
| 74 | t | 2-Chlorotoluene | 0.341 | 0.354 | -3.8 | 91 | 0.00 |
| 75 | t | 1,3,5-Trimethylbenzene | 1.220 | 1.284 | -5.2 | 91 | 0.00 |
| 76 | t | 4-Chlorotoluene | 0.357 | 0.362 | -1.4 | 91 | 0.00 |
| 77 | t | tert-Butylbenzene | 1.180 | 1.198 | -1.5 | 89 | 0.00 |
| 78 | t | 1,2,4-Trimethylbenzene | 1.188 | 1.251 | -5.3 | 89 | 0.00 |
| 79 | t | sec-Butylbenzene | 1.598 | 1.644 | -2.9 | 89 | 0.00 |
| 80 | | Nitrobenzene | 0.004 | 0.001 | 75.0# | 17# | 0.00 |
| 81 | t | p-Isopropyltoluene | 1.286 | 1.396 | -8.6 | 92 | 0.00 |
| 82 | t | 1,3-Dichlorobenzene | 0.681 | 0.694 | -1.9 | 90 | 0.00 |
| 83 | Rt | 1,4-Dichlorobenzene | 0.700 | 0.701 | -0.1 | 91 | 0.00 |
| 84 | t | n-Butylbenzene | 1.205 | 1.280 | -6.2 | 90 | 0.00 |
| 85 | Rt | 1,2-Dichlorobenzene | 0.657 | 0.639 | 2.7 | 87 | 0.00 |
| 86 | t | 1,2-Dibromo-3-Chloropropane | 0.039 | 0.037 | 5.1 | 82 | 0.00 |
| 87 | Rt | 1,2,4-Trichlorobenzene | 0.398 | 0.427 | -7.3 | 93 | 0.00 |
| 88 | t | Hexachlorobutadiene | 0.248 | 0.238 | 4.0 | 84 | 0.00 |
| 89 | t | Naphthalene | 0.703 | 0.709 | -0.9 | 88 | 0.00 |
| 90 | t | 1,2,3-Trichlorobenzene | 0.378 | 0.365 | 3.4 | 84 | 0.00 |

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