Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070622\
Data File : VU049636.D
Acq On : 06 Jul 2022 14:28
Operator : SY/MD
Sample : VSTDICV010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
ICVVU070622

Quant Time: Jul 07 07:03:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070622DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 07 07:00:33 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 | 97 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.383 | 0.191 | 50.1# | 47 | 0.00 |
| 3 | t | Chloromethane | 0.392 | 0.291 | 25.8 | 75 | 0.00 |
| 4 | Rt | Vinyl Chloride | 0.357 | 0.243 | 31.9# | 65 | 0.00 |
| 5 | T | Bromomethane | 0.186 | 0.109 | 41.4# | 59 | 0.00 |
| 6 | T | Chloroethane | 0.200 | 0.152 | 24.0 | 73 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.428 | 0.338 | 21.0 | 74 | 0.00 |
| 8 | | 1,1,2-Trichloro-1,2,2-trifl | 0.225 | 0.196 | 12.9 | 81 | 0.00 |
| 9 | Rt | 1,1-Dichloroethene | 0.227 | 0.183 | 19.4 | 76 | 0.00 |
| 10 | t | Iodomethane | 0.288 | 0.176 | 38.9# | 54 | 0.00 |
| 11 | t | Allyl Chloride | 0.387 | 0.355 | 8.3 | 86 | 0.00 |
| 12 | t | Acrylonitrile | 0.061 | 0.156 | -155.7# | 260# | 0.00 |
| 13 | T | Acetone | 0.048 | 0.054 | -12.5 | 123 | 0.00 |
| 14 | T | Carbon Disulfide | 0.747 | 0.438 | 41.4# | 56 | 0.00 |
| 15 | RT | Methylene Chloride | 0.284 | 0.239 | 15.8 | 91 | 0.00 |
| 16 | RT | trans-1,2-Dichloroethene | 0.238 | 0.203 | 14.7 | 80 | 0.00 |
| 17 | t | 1,1-Dichloroethane | 0.492 | 0.474 | 3.7 | 91 | 0.00 |
| 18 | T | 2-Butanone | 0.082 | 0.087 | -6.1 | 109 | 0.00 |
| 19 | | Cyclohexane | 0.471 | 0.363 | 22.9 | 72 | 0.00 |
| 20 | | Methylcyclohexane | 0.464 | 0.377 | 18.8 | 75 | 0.00 |
| 21 | T | 2,2-Dichloropropane | 0.403 | 0.393 | 2.5 | 90 | 0.00 |
| 22 | RT | cis-1,2-Dichloroethene | 0.294 | 0.284 | 3.4 | 91 | 0.00 |
| 23 | t | Diethyl Ether | 0.193 | 0.173 | 10.4 | 87 | 0.00 |
| 24 | t | tert-Butyl Alcohol | 0.022 | 0.013 | 40.9# | 59 | 0.00 |
| 25 | t | Methyl tert-Butyl Ether | 0.634 | 0.648 | -2.2 | 100 | 0.00 |
| 26 | t | Bromochloromethane | 0.124 | 0.115 | 7.3 | 89 | 0.00 |
| 27 | t | Chloroform | 0.485 | 0.483 | 0.4 | 95 | 0.00 |
| 28 | RT | 1,1,1-Trichloroethane | 0.427 | 0.403 | 5.6 | 88 | 0.00 |
| 29 | T | 1,1-Dichloropropene | 0.382 | 0.328 | 14.1 | 81 | 0.00 |
| 30 | RT | Carbon Tetrachloride | 0.360 | 0.346 | 3.9 | 88 | 0.00 |
| 31 | t | Isopropyl Ether | 0.844 | 0.860 | -1.9 | 96 | 0.00 |
| 32 | | Ethyl-t-butyl ether | 0.799 | 0.000 | 100.0# | 0# | -4.51# |
| 33 | | Tert-Amyl methyl ether | 0.695 | 0.000 | 100.0# | 0# | -5.94# |
| 34 | t | Propionitrile | 0.023 | 0.051 | -121.7# | 215# | 0.00 |
| 35 | RT | Benzene | 1.087 | 1.005 | 7.5 | 86 | 0.00 |
| 36 | RT | 1,2-Dichloroethane | 0.309 | 0.306 | 1.0 | 96 | 0.00 |
| 37 | RT | Trichloroethene | 0.275 | 0.257 | 6.5 | 88 | 0.00 |
| 38 | Rt | 1,2-Dichloropropane | 0.288 | 0.283 | 1.7 | 93 | 0.00 |
| 39 | t | Methacrylonitrile | 0.100 | 0.105 | -5.0 | 102 | 0.00 |
| 40 | t | Methyl acrylate | 0.157 | 0.164 | -4.5 | 99 | 0.00 |
| 41 | t | Tetrahydrofuran | 0.059 | 0.141 | -139.0# | 263# | 0.00 |
| 42 | t | 1-Chlorobutane | 0.535 | 0.482 | 9.9 | 84 | 0.00 |
| 43 | T | Dibromomethane | 0.143 | 0.144 | -0.7 | 98 | 0.00 |
| 44 | T | Bromodichloromethane | 0.344 | 0.365 | -6.1 | 99 | 0.00 |
| 45 | T | 4-Methyl-2-Pentanone | 0.195 | 0.201 | -3.1 | 102 | 0.00 |
| 46 | t | t-1,4-Dichloro-2-butene | 0.063 | 0.061 | 3.2 | 84 | 0.00 |
| 47 | t | Methyl methacrylate | 0.145 | 0.077 | 46.9# | 50 | 0.00 |
| 48 | t | Ethyl methacrylate | 0.290 | 0.305 | -5.2 | 100 | 0.00 |
| 49 | Rt | Toluene | 0.664 | 0.630 | 5.1 | 88 | 0.00 |

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ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
ICVVU070622

Quant Time: Jul 07 07:03:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070622DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 07 07:00:33 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 | 0.332 | 0.362 | -9.0 | 100 | 0.00 |
| 51 | T | cis-1,3-Dichloropropene | 0.394 | 0.422 | -7.1 | 98 | 0.00 |
| 52 | RT | 1,1,2-Trichloroethane | 0.198 | 0.210 | -6.1 | 103 | 0.00 |
| 53 | t | 1,3-Dichloropropane | 0.355 | 0.360 | -1.4 | 99 | 0.00 |
| 54 | t | 2-Hexanone | 0.135 | 0.144 | -6.7 | 106 | 0.00 |
| 55 | t | Dibromochloromethane | 0.226 | 0.242 | -7.1 | 99 | 0.00 |
| 56 | T | 1,2-Dibromoethane | 0.192 | 0.196 | -2.1 | 99 | 0.00 |
| 57 | S | 4-Bromofluorobenzene | 0.366 | 0.382 | -4.4 | 102 | 0.00 |
| 58 | RT | Tetrachloroethene | 0.229 | 0.209 | 8.7 | 85 | 0.00 |
| 59 | Rt | Chlorobenzene | 0.695 | 0.672 | 3.3 | 91 | 0.00 |
| 60 | T | 1,1,1,2-Tetrachloroethane | 0.247 | 0.259 | -4.9 | 98 | 0.00 |
| 61 | t | Pentachloroethane | 0.190 | 0.213 | -12.1 | 103 | 0.00 |
| 62 | t | Hexachloroethane | 0.190 | 0.205 | -7.9 | 98 | 0.00 |
| 63 | Rt | Ethyl Benzene | 1.250 | 1.250 | 0.0 | 91 | 0.00 |
| 64 | RT | m/p-Xylenes | 0.463 | 0.467 | -0.9 | 92 | 0.00 |
| 65 | RT | o-Xylene | 0.455 | 0.464 | -2.0 | 95 | 0.00 |
| 66 | RT | Styrene | 0.730 | 0.777 | -6.4 | 96 | 0.00 |
| 67 | t | Bromoform | 0.129 | 0.146 | -13.2 | 105 | 0.00 |
| 68 | S | 1,2-Dichlorobenzene-d4 | 0.337 | 0.350 | -3.9 | 100 | 0.00 |
| 69 | T | Isopropylbenzene | 1.214 | 1.237 | -1.9 | 93 | 0.00 |
| 70 | T | 1,1,2,2-Tetrachloroethane | 0.257 | 0.285 | -10.9 | 111 | 0.00 |
| 71 | T | 1,2,3-Trichloropropane | 0.213 | 0.209 | 1.9 | 107 | 0.00 |
| 72 | t | Bromobenzene | 0.274 | 0.289 | -5.5 | 98 | 0.00 |
| 73 | t | n-propylbenzene | 0.306 | 0.331 | -8.2 | 96 | 0.00 |
| 74 | t | 2-Chlorotoluene | 0.273 | 0.285 | -4.4 | 96 | 0.00 |
| 75 | t | 1,3,5-Trimethylbenzene | 1.015 | 1.071 | -5.5 | 96 | 0.00 |
| 76 | t | 4-Chlorotoluene | 0.274 | 0.284 | -3.6 | 96 | 0.00 |
| 77 | t | tert-Butylbenzene | 0.999 | 1.053 | -5.4 | 97 | 0.00 |
| 78 | t | 1,2,4-Trimethylbenzene | 1.019 | 1.087 | -6.7 | 96 | 0.00 |
| 79 | t | sec-Butylbenzene | 1.311 | 1.389 | -5.9 | 96 | 0.00 |
| 80 | | Nitrobenzene | 0.011 | 0.002 | 81.8# | 22 | 0.00 |
| 81 | t | p-Isopropyltoluene | 1.063 | 1.143 | -7.5 | 96 | 0.00 |
| 82 | t | 1,3-Dichlorobenzene | 0.529 | 0.570 | -7.8 | 99 | 0.00 |
| 83 | Rt | 1,4-Dichlorobenzene | 0.534 | 0.570 | -6.7 | 101 | 0.00 |
| 84 | t | n-Butylbenzene | 0.990 | 1.097 | -10.8 | 96 | 0.00 |
| 85 | Rt | 1,2-Dichlorobenzene | 0.513 | 0.550 | -7.2 | 103 | 0.00 |
| 86 | t | 1,2-Dibromo-3-Chloropropane | 0.045 | 0.051 | -13.3 | 110 | 0.00 |
| 87 | Rt | 1,2,4-Trichlorobenzene | 0.346 | 0.394 | -13.9 | 100 | 0.00 |
| 88 | t | Hexachlorobutadiene | 0.176 | 0.201 | -14.2 | 100 | 0.00 |
| 89 | t | Naphthalene | 0.725 | 0.901 | -24.3 | 114 | 0.00 |
| 90 | t | 1,2,3-Trichlorobenzene | 0.330 | 0.376 | -13.9 | 103 | 0.00 |

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