Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070721\
Data File : VU044317.D
Acq On : 07 Jul 2021 15:16
Operator : SY/MD
Sample : VSTDICV010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** ICVVU070721

Quant Time: Jul 08 15:35:25 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070721DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 08 15:34:52 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | i | Fluorobenzene | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 10.000 | 5.337 | 46.6# | 51 | 0.00 |
| 3 | t | Chloromethane | 10.000 | 8.088 | 19.1 | 80 | 0.00 |
| 4 | Rt | Vinyl Chloride | 10.000 | 8.441 | 15.6 | 79 | 0.00 |
| 5 | T | Bromomethane | 10.000 | 9.304 | 7.0 | 91 | 0.00 |
| 6 | T | Chloroethane | 10.000 | 9.027 | 9.7 | 87 | 0.00 |
| 7 | T | Trichlorofluoromethane | 10.000 | 8.855 | 11.4 | 84 | 0.00 |
| 8 | | 1,1,2-Trichloro-1,2,2-trifl | 10.000 | 8.732 | 12.7 | 82 | 0.00 |
| 9 | Rt | 1,1-Dichloroethene | 10.000 | 9.447 | 5.5 | 89 | 0.00 |
| 10 | t | Iodomethane | 10.000 | 9.661 | 3.4 | 85 | 0.00 |
| 11 | t | Allyl Chloride | 10.000 | 9.819 | 1.8 | 95 | 0.00 |
| 12 | t | Acrylonitrile | 20.000 | 47.987 | -139.9# | 248 | 0.00 |
| 13 | T | Acetone | 50.000 | 61.009 | -22.0 | 126 | 0.00 |
| 14 | T | Carbon Disulfide | 10.000 | 9.758 | 2.4 | 93 | 0.00 |
| 15 | RT | Methylene Chloride | 10.000 | 9.148 | 8.5 | 89 | 0.00 |
| 16 | RT | trans-1,2-Dichloroethene | 10.000 | 9.842 | 1.6 | 95 | 0.00 |
| 17 | t | 1,1-Dichloroethane | 10.000 | 9.934 | 0.7 | 94 | 0.00 |
| 18 | T | 2-Butanone | 50.000 | 64.266 | -28.5 | 133 | 0.00 |
| 19 | | Cyclohexane | 10.000 | 8.450 | 15.5 | 81 | 0.00 |
| 20 | | Methylcyclohexane | 10.000 | 8.590 | 14.1 | 81 | 0.00 |
| 21 | T | 2,2-Dichloropropane | 10.000 | 9.549 | 4.5 | 93 | 0.00 |
| 22 | RT | cis-1,2-Dichloroethene | 10.000 | 10.107 | -1.1 | 99 | 0.00 |
| 23 | t | Diethyl Ether | 10.000 | 9.511 | 4.9 | 91 | 0.00 |
| 24 | t | tert-Butyl Alcohol | 100.000 | 63.698 | 36.3# | 69 | 0.00 |
| 25 | t | Methyl tert-Butyl Ether | 10.000 | 9.236 | 7.6 | 87 | 0.00 |
| 26 | t | Bromochloromethane | 10.000 | 9.466 | 5.3 | 91 | 0.00 |
| 27 | t | Chloroform | 10.000 | 9.582 | 4.2 | 94 | 0.00 |
| 28 | RT | 1,1,1-Trichloroethane | 10.000 | 9.667 | 3.3 | 93 | 0.00 |
| 29 | T | 1,1-Dichloropropene | 10.000 | 9.761 | 2.4 | 92 | 0.00 |
| 30 | RT | Carbon Tetrachloride | 10.000 | 9.897 | 1.0 | 92 | 0.00 |
| 31 | t | Isopropyl Ether | 10.000 | 9.166 | 8.3 | 88 | 0.00 |
| 32 | | Ethyl-t-butyl ether | 10.000 | 0.000 | 100.0# | 0 | -4.52# |
| 33 | | Tert-Amyl methyl ether | 10.000 | 0.000 | 100.0# | 0 | -5.96# |
| 34 | t | Propionitrile | 50.000 | 106.337 | -112.7# | 212 | 0.00 |
| 35 | RT | Benzene | 10.000 | 9.923 | 0.8 | 94 | 0.00 |
| 36 | RT | 1,2-Dichloroethane | 10.000 | 10.051 | -0.5 | 93 | 0.00 |
| 37 | RT | Trichloroethene | 10.000 | 10.003 | -0.0 | 94 | 0.00 |
| 38 | Rt | 1,2-Dichloropropane | 10.000 | 9.751 | 2.5 | 93 | 0.00 |
| 39 | t | Methacrylonitrile | 10.000 | 10.601 | -6.0 | 105 | 0.00 |
| 40 | t | Methyl acrylate | 10.000 | 10.934 | -9.3 | 108 | 0.00 |
| 41 | t | Tetrahydrofuran | 20.000 | 50.131 | -150.7# | 256 | 0.00 |
| 42 | t | 1-Chlorobutane | 10.000 | 8.748 | 12.5 | 85 | 0.00 |
| 43 | T | Dibromomethane | 10.000 | 10.179 | -1.8 | 96 | 0.00 |
| 44 | T | Bromodichloromethane | 10.000 | 10.188 | -1.9 | 96 | 0.00 |
| 45 | T | 4-Methyl-2-Pentanone | 50.000 | 47.394 | 5.2 | 90 | 0.00 |
| 46 | t | t-1,4-Dichloro-2-butene | 20.000 | 12.202 | 39.0# | 53 | 0.00 |
| 47 | t | Methyl methacrylate | 20.000 | 10.094 | 49.5# | 47 | 0.00 |
| 48 | t | Ethyl methacrylate | 10.000 | 9.299 | 7.0 | 87 | 0.00 |
| 49 | Rt | Toluene | 10.000 | 10.122 | -1.2 | 95 | 0.00 |

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Acq On : 07 Jul 2021 15:16
Operator : SY/MD
Sample : VSTDICV010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** ICVVU070721

Quant Time: Jul 08 15:35:25 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070721DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 08 15:34:52 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 50 | T | t-1,3-Dichloropropene | 10.000 | 10.353 | -3.5 | 95 | 0.00 |
| 51 | T | cis-1,3-Dichloropropene | 10.000 | 10.395 | -3.9 | 97 | 0.00 |
| 52 | RT | 1,1,2-Trichloroethane | 10.000 | 10.180 | -1.8 | 95 | 0.00 |
| 53 | t | 1,3-Dichloropropane | 10.000 | 9.891 | 1.1 | 93 | 0.00 |
| 54 | t | 2-Hexanone | 50.000 | 47.041 | 5.9 | 90 | 0.00 |
| 55 | t | Dibromochloromethane | 10.000 | 10.262 | -2.6 | 94 | 0.00 |
| 56 | T | 1,2-Dibromoethane | 10.000 | 10.085 | -0.9 | 94 | 0.00 |
| 57 | S | 4-Bromofluorobenzene | 1.000 | 1.024 | -2.4 | 98 | 0.00 |
| 58 | RT | Tetrachloroethene | 10.000 | 10.031 | -0.3 | 95 | 0.00 |
| 59 | Rt | Chlorobenzene | 10.000 | 9.873 | 1.3 | 93 | 0.00 |
| 60 | T | 1,1,1,2-Tetrachloroethane | 10.000 | 10.031 | -0.3 | 95 | 0.00 |
| 61 | t | Pentachloroethane | 10.000 | 10.418 | -4.2 | 94 | 0.00 |
| 62 | t | Hexachloroethane | 10.000 | 9.405 | 6.0 | 85 | 0.00 |
| 63 | Rt | Ethyl Benzene | 10.000 | 10.140 | -1.4 | 94 | 0.00 |
| 64 | RT | m/p-Xylenes | 20.000 | 20.446 | -2.2 | 95 | 0.00 |
| 65 | RT | o-Xylene | 10.000 | 10.162 | -1.6 | 95 | 0.00 |
| 66 | RT | Styrene | 10.000 | 10.116 | -1.2 | 93 | 0.00 |
| 67 | t | Bromoform | 10.000 | 10.585 | -5.9 | 95 | 0.00 |
| 68 | S | 1,2-Dichlorobenzene-d4 | 1.000 | 0.989 | 1.1 | 94 | 0.00 |
| 69 | T | Isopropylbenzene | 10.000 | 10.146 | -1.5 | 95 | 0.00 |
| 70 | T | 1,1,2,2-Tetrachloroethane | 10.000 | 9.886 | 1.1 | 92 | 0.00 |
| 71 | T | 1,2,3-Trichloropropane | 10.000 | 9.558 | 4.4 | 90 | 0.00 |
| 72 | t | Bromobenzene | 10.000 | 10.166 | -1.7 | 94 | 0.00 |
| 73 | t | n-propylbenzene | 10.000 | 10.197 | -2.0 | 94 | 0.00 |
| 74 | t | 2-Chlorotoluene | 10.000 | 9.874 | 1.3 | 93 | 0.00 |
| 75 | t | 1,3,5-Trimethylbenzene | 10.000 | 10.495 | -4.9 | 96 | 0.00 |
| 76 | t | 4-Chlorotoluene | 10.000 | 10.064 | -0.6 | 96 | 0.00 |
| 77 | t | tert-Butylbenzene | 10.000 | 10.101 | -1.0 | 93 | 0.00 |
| 78 | t | 1,2,4-Trimethylbenzene | 10.000 | 10.388 | -3.9 | 95 | 0.00 |
| 79 | t | sec-Butylbenzene | 10.000 | 9.930 | 0.7 | 91 | 0.00 |
| 80 | | Nitrobenzene | 50.000 | 10.346 | 79.3# | 18 | 0.00 |
| 81 | t | p-Isopropyltoluene | 10.000 | 10.423 | -4.2 | 95 | 0.00 |
| 82 | t | 1,3-Dichlorobenzene | 10.000 | 10.197 | -2.0 | 96 | 0.00 |
| 83 | Rt | 1,4-Dichlorobenzene | 10.000 | 10.348 | -3.5 | 96 | 0.00 |
| 84 | t | n-Butylbenzene | 10.000 | 10.617 | -6.2 | 95 | 0.00 |
| 85 | Rt | 1,2-Dichlorobenzene | 10.000 | 10.161 | -1.6 | 95 | 0.00 |
| 86 | t | 1,2-Dibromo-3-Chloropropane | 10.000 | 10.224 | -2.2 | 92 | 0.00 |
| 87 | Rt | 1,2,4-Trichlorobenzene | 10.000 | 10.566 | -5.7 | 97 | 0.00 |
| 88 | t | Hexachlorobutadiene | 10.000 | 10.666 | -6.7 | 98 | 0.00 |
| 89 | t | Naphthalene | 10.000 | 10.253 | -2.5 | 94 | 0.00 |
| 90 | t | 1,2,3-Trichlorobenzene | 10.000 | 10.626 | -6.3 | 96 | 0.00 |

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