# Evaluate Continuing Calibration Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100318\
Data File : VU027355.D
Acq On : 02 Oct 2018 21:34
Operator : MD/SY
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Oct 03 09:40:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U100318DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Oct 03 09:31:21 2018
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 | 99 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.335 | 0.329 | 1.8 | 96 | 0.00 |
| 3 | t | Chloromethane | 0.390 | 0.378 | 3.1 | 96 | 0.00 |
| 4 | Rt | Vinyl Chloride | 0.396 | 0.393 | 0.8 | 99 | 0.00 |
| 5 | T | Bromomethane | 0.166 | 0.196 | -18.1 | 113 | 0.00 |
| 6 | T | Chloroethane | 0.313 | 0.268 | 14.4 | 109 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.459 | 0.453 | 1.3 | 99 | 0.00 |
| 8 | | 1,1,2-Trichloro-1,2,2-trifl | 0.270 | 0.267 | 1.1 | 99 | 0.00 |
| 9 | Rt | 1,1-Dichloroethene | 0.225 | 0.222 | 1.3 | 100 | 0.00 |
| 10 | t | Iodomethane | 0.254 | 0.262 | -3.1 | 88 | 0.00 |
| 11 | t | Allyl Chloride | 0.594 | 0.561 | 5.6 | 98 | 0.00 |
| 12 | t | Acrylonitrile | 0.078 | 0.082 | -5.1 | 108 | 0.00 |
| 13 | T | Acetone | 0.073 | 0.069 | 5.5 | 107 | 0.00 |
| 14 | T | Carbon Disulfide | 0.699 | 0.669 | 4.3 | 97 | 0.00 |
| 15 | RT | Methylene Chloride | 0.322 | 0.322 | 0.0 | 111 | 0.00 |
| 16 | RT | trans-1,2-Dichloroethene | 0.262 | 0.254 | 3.1 | 97 | 0.00 |
| 17 | t | 1,1-Dichloroethane | 0.632 | 0.600 | 5.1 | 94 | 0.00 |
| 18 | T | 2-Butanone | 0.119 | 0.123 | -3.4 | 109 | 0.00 |
| 19 | | Cyclohexane | 0.477 | 0.475 | 0.4 | 99 | 0.00 |
| 20 | | Methylcyclohexane | 0.428 | 0.410 | 4.2 | 91 | 0.00 |
| 21 | T | 2,2-Dichloropropane | 0.541 | 0.471 | 12.9 | 91 | 0.00 |
| 22 | RT | cis-1,2-Dichloroethene | 0.315 | 0.312 | 1.0 | 102 | 0.00 |
| 23 | t | Diethyl Ether | 0.240 | 0.238 | 0.8 | 99 | 0.00 |
| 24 | t | tert-Butyl Alcohol | 0.027 | 0.031 | -14.8 | 115 | 0.00 |
| 25 | t | Methyl tert-Butyl Ether | 0.751 | 0.751 | 0.0 | 97 | 0.00 |
| 26 | t | Bromochloromethane | 0.116 | 0.119 | -2.6 | 103 | 0.00 |
| 27 | t | Chloroform | 0.577 | 0.575 | 0.3 | 101 | 0.00 |
| 28 | RT | 1,1,1-Trichloroethane | 0.468 | 0.474 | -1.3 | 101 | 0.00 |
| 29 | T | 1,1-Dichloropropene | 0.421 | 0.418 | 0.7 | 100 | 0.00 |
| 30 | RT | Carbon Tetrachloride | 0.387 | 0.402 | -3.9 | 102 | 0.00 |
| 31 | t | Isopropyl Ether | 1.201 | 1.171 | 2.5 | 99 | 0.00 |
| 32 | | Ethyl-t-butyl ether | 0.938 | 0.952 | -1.5 | 100 | 0.00 |
| 33 | | Tert-Amyl methyl ether | 0.751 | 0.792 | -5.5 | 110 | 0.00 |
| 34 | t | Propionitrile | 0.031 | 0.034 | -9.7 | 109 | 0.00 |
| 35 | RT | Benzene | 1.232 | 1.236 | -0.3 | 100 | 0.00 |
| 36 | RT | 1,2-Dichloroethane | 0.404 | 0.419 | -3.7 | 101 | 0.00 |
| 37 | RT | Trichloroethene | 0.273 | 0.272 | 0.4 | 100 | 0.00 |
| 38 | Rt | 1,2-Dichloropropane | 0.372 | 0.372 | 0.0 | 100 | 0.00 |
| 39 | t | Methacrylonitrile | 0.161 | 0.158 | 1.9 | 106 | 0.00 |
| 40 | t | Methyl acrylate | 0.204 | 0.207 | -1.5 | 106 | 0.00 |
| 41 | t | Tetrahydrofuran | 0.085 | 0.080 | 5.9 | 108 | 0.00 |
| 42 | t | 1-Chlorobutane | 0.678 | 0.679 | -0.1 | 97 | 0.00 |
| 43 | T | Dibromomethane | 0.155 | 0.168 | -8.4 | 102 | 0.00 |
| 44 | T | Bromodichloromethane | 0.420 | 0.431 | -2.6 | 100 | 0.00 |
| 45 | T | 4-Methyl-2-Pentanone | 0.239 | 0.275 | -15.1 | 107 | 0.00 |
| 46 | t | t-1,4-Dichloro-2-butene | 0.069 | 0.081 | -17.4 | 103 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 47 | t | Methyl methacrylate | 0.156 | 0.171 | -9.6 | 105 | 0.00 |
| 48 | t | Ethyl methacrylate | 0.272 | 0.308 | -13.2 | 102 | 0.00 |
| 49 | Rt | Toluene | 0.673 | 0.702 | -4.3 | 97 | 0.00 |
| 50 | T | t-1,3-Dichloropropene | 0.373 | 0.393 | -5.4 | 99 | 0.00 |
| 51 | T | cis-1,3-Dichloropropene | 0.447 | 0.448 | -0.2 | 96 | 0.00 |
| 52 | RT | 1,1,2-Trichloroethane | 0.218 | 0.229 | -5.0 | 103 | 0.00 |
| 53 | t | 1,3-Dichloropropane | 0.414 | 0.438 | -5.8 | 102 | 0.00 |
| 54 | t | 2-Hexanone | 0.165 | 0.193 | -17.0 | 106 | 0.00 |
| 55 | t | Dibromochloromethane | 0.241 | 0.263 | -9.1 | 104 | 0.00 |
| 56 | T | 1,2-Dibromoethane | 0.193 | 0.208 | -7.8 | 105 | 0.00 |
| 57 | S | 4-Bromofluorobenzene | 0.379 | 0.394 | -4.0 | 99 | 0.00 |
| 58 | RT | Tetrachloroethene | 0.242 | 0.249 | -2.9 | 99 | 0.00 |
| 59 | Rt | Chlorobenzene | 0.702 | 0.725 | -3.3 | 97 | 0.00 |
| 60 | T | 1,1,1,2-Tetrachloroethane | 0.270 | 0.279 | -3.3 | 100 | 0.00 |
| 61 | t | Pentachloroethane | 0.223 | 0.225 | -0.9 | 98 | 0.00 |
| 62 | t | Hexachloroethane | 0.213 | 0.235 | -10.3 | 103 | 0.00 |
| 63 | Rt | Ethyl Benzene | 1.206 | 1.315 | -9.0 | 96 | 0.00 |
| 64 | RT | m/p-Xylenes | 0.452 | 0.514 | -13.7 | 98 | 0.00 |
| 65 | RT | o-Xylene | 0.429 | 0.474 | -10.5 | 95 | 0.00 |
| 66 | RT | Styrene | 0.753 | 0.880 | -16.9 | 99 | 0.00 |
| 67 | t | Bromoform | 0.129 | 0.142 | -10.1 | 104 | 0.00 |
| 68 | S | 1,2-Dichlorobenzene-d4 | 0.322 | 0.348 | -8.1 | 97 | 0.00 |
| 69 | T | Isopropylbenzene | 1.131 | 1.270 | -12.3 | 96 | 0.00 |
| 70 | T | 1,1,2,2-Tetrachloroethane | 0.295 | 0.324 | -9.8 | 106 | 0.00 |
| 71 | T | 1,2,3-Trichloropropane | 0.227 | 0.218 | 4.0 | 92 | 0.00 |
| 72 | t | Bromobenzene | 0.273 | 0.299 | -9.5 | 102 | 0.00 |
| 73 | t | n-propylbenzene | 0.305 | 0.361 | -18.4 | 98 | 0.00 |
| 74 | t | 2-Chlorotoluene | 0.278 | 0.313 | -12.6 | 98 | 0.00 |
| 75 | t | 1,3,5-Trimethylbenzene | 1.006 | 1.165 | -15.8 | 98 | 0.00 |
| 76 | t | 4-Chlorotoluene | 0.286 | 0.333 | -16.4 | 100 | 0.00 |
| 77 | t | tert-Butylbenzene | 0.950 | 1.064 | -12.0 | 97 | 0.00 |
| 78 | t | 1,2,4-Trimethylbenzene | 1.027 | 1.221 | -18.9 | 99 | 0.00 |
| 79 | t | sec-Butylbenzene | 1.304 | 1.509 | -15.7 | 97 | 0.00 |
| 80 | | Nitrobenzene | 0.012 | 0.015 | -25.0 | 112 | 0.00 |
| 81 | t | p-Isopropyltoluene | 1.049 | 1.252 | -19.4 | 97 | 0.00 |
| 82 | t | 1,3-Dichlorobenzene | 0.575 | 0.642 | -11.7 | 102 | 0.00 |
| 83 | Rt | 1,4-Dichlorobenzene | 0.575 | 0.635 | -10.4 | 100 | 0.00 |
| 84 | t | n-Butylbenzene | 1.064 | 1.283 | -20.6 | 98 | 0.00 |
| 85 | Rt | 1,2-Dichlorobenzene | 0.532 | 0.593 | -11.5 | 101 | 0.00 |
| 86 | t | 1,2-Dibromo-3-Chloropropane | 0.045 | 0.051 | -13.3 | 105 | 0.00 |
| 87 | Rt | 1,2,4-Trichlorobenzene | 0.337 | 0.378 | -12.2 | 98 | 0.00 |
| 88 | t | Hexachlorobutadiene | 0.223 | 0.235 | -5.4 | 99 | 0.00 |
| 89 | t | Naphthalene | 0.595 | 0.738 | -24.0 | 102 | 0.00 |
| 90 | t | 1,2,3-Trichlorobenzene | 0.333 | 0.392 | -17.7 | 102 | 0.00 |

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|---|---|---|---|---|---|

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