# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042123\
Data File : VU053832.D
Acq On : 21 Apr 2023 19:08
Operator : JC/MD
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Apr 22 03:21:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Apr 21 09:18:21 2023
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 | 112 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 10.000 | 9.736 | 2.6 | 106 | 0.00 |
| 3 | t | Chloromethane | 10.000 | 8.899 | 11.0 | 104 | 0.00 |
| 4 | Rt | Vinyl Chloride | 10.000 | 9.370 | 6.3 | 102 | 0.00 |
| 5 | T | Bromomethane | 10.000 | 8.335 | 16.6 | 105 | 0.01 |
| 6 | T | Chloroethane | 10.000 | 9.409 | 5.9 | 105 | 0.00 |
| 7 | T | Trichlorofluoromethane | 10.000 | 9.722 | 2.8 | 107 | 0.00 |
| 8 | | 1,1,2-Trichloro-1,2,2-trifl | 10.000 | 9.018 | 9.8 | 97 | 0.00 |
| 9 | Rt | 1,1-Dichloroethene | 10.000 | 8.448 | 15.5 | 94 | 0.00 |
| 10 | t | Iodomethane | 10.000 | 9.769 | 2.3 | 96 | 0.00 |
| 11 | t | Allyl Chloride | 10.000 | 7.890 | 21.1 | 89 | 0.00 |
| 12 | t | Acrylonitrile | 20.000 | 15.670 | 21.6 | 87 | 0.02 |
| 13 | T | Acetone | 50.000 | 25.881 | 48.2# | 50 | 0.03 |
| 14 | T | Carbon Disulfide | 10.000 | 7.988 | 20.1 | 89 | 0.00 |
| 15 | RT | Methylene Chloride | 10.000 | 8.328 | 16.7 | 100 | 0.00 |
| 16 | RT | trans-1,2-Dichloroethene | 10.000 | 8.470 | 15.3 | 94 | 0.00 |
| 17 | t | 1,1-Dichloroethane | 10.000 | 8.740 | 12.6 | 97 | 0.00 |
| 18 | T | 2-Butanone | 50.000 | 28.060 | 43.9# | 57 | 0.00 |
| 19 | | Cyclohexane | 10.000 | 7.968 | 20.3 | 90 | 0.00 |
| 20 | | Methylcyclohexane | 10.000 | 10.966 | -9.7 | 115 | 0.00 |
| 21 | T | 2,2-Dichloropropane | 10.000 | 8.163 | 18.4 | 90 | 0.00 |
| 22 | RT | cis-1,2-Dichloroethene | 10.000 | 8.786 | 12.1 | 100 | 0.00 |
| 23 | t | Diethyl Ether | 10.000 | 9.730 | 2.7 | 105 | 0.00 |
| 24 | t | tert-Butyl Alcohol | 100.000 | 82.760 | 17.2 | 88 | 0.08 |
| 25 | t | Methyl tert-Butyl Ether | 10.000 | 8.532 | 14.7 | 94 | 0.00 |
| 26 | t | Bromochloromethane | 10.000 | 8.694 | 13.1 | 97 | 0.00 |
| 27 | t | Chloroform | 10.000 | 9.007 | 9.9 | 100 | 0.00 |
| 28 | RT | 1,1,1-Trichloroethane | 10.000 | 9.372 | 6.3 | 102 | 0.00 |
| 29 | T | 1,1-Dichloropropene | 10.000 | 10.397 | -4.0 | 115 | 0.00 |
| 30 | RT | Carbon Tetrachloride | 10.000 | 10.721 | -7.2 | 116 | 0.00 |
| 31 | t | Isopropyl Ether | 10.000 | 8.384 | 16.2 | 94 | 0.00 |
| 32 | | Ethyl-t-butyl ether | 10.000 | 8.426 | 15.7 | 93 | -0.01 |
| 33 | | Tert-Amyl methyl ether | 10.000 | 10.921 | -9.2 | 117 | 0.00 |
| 34 | t | Propionitrile | 50.000 | 39.920 | 20.2 | 98 | 0.02 |
| 35 | RT | Benzene | 10.000 | 10.672 | -6.7 | 116 | 0.00 |
| 36 | RT | 1,2-Dichloroethane | 10.000 | 10.003 | -0.0 | 111 | 0.00 |
| 37 | RT | Trichloroethene | 10.000 | 10.753 | -7.5 | 115 | 0.00 |
| 38 | Rt | 1,2-Dichloropropane | 10.000 | 10.787 | -7.9 | 117 | 0.00 |
| 39 | t | Methacrylonitrile | 10.000 | 7.037 | 29.6 | 89 | 0.00 |
| 40 | t | Methyl acrylate | 10.000 | 7.684 | 23.2 | 90 | 0.00 |
| 41 | t | Tetrahydrofuran | 20.000 | 14.135 | 29.3 | 90 | 0.00 |
| 42 | t | 1-Chlorobutane | 10.000 | 9.748 | 2.5 | 107 | 0.00 |
| 43 | T | Dibromomethane | 10.000 | 10.202 | -2.0 | 112 | 0.00 |
| 44 | T | Bromodichloromethane | 10.000 | 10.589 | -5.9 | 114 | 0.00 |
| 45 | T | 4-Methyl-2-Pentanone | 50.000 | 50.115 | -0.2 | 104 | 0.00 |
| 46 | t | t-1,4-Dichloro-2-butene | 20.000 | 20.403 | -2.0 | 95 | 0.00 |
| 47 | t | Methyl methacrylate | 20.000 | 21.545 | -7.7 | 114 | 0.00 |
| 48 | t | Ethyl methacrylate | 10.000 | 10.590 | -5.9 | 110 | 0.00 |
| 49 | Rt | Toluene | 10.000 | 10.899 | -9.0 | 114 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042123\
Data File : VU053832.D
Acq On : 21 Apr 2023 19:08
Operator : JC/MD
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Apr 22 03:21:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Apr 21 09:18:21 2023
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 | 10.975 | -9.7 | 113 | 0.00 |
| 51 | T | cis-1,3-Dichloropropene | 10.000 | 10.792 | -7.9 | 113 | 0.00 |
| 52 | RT | 1,1,2-Trichloroethane | 10.000 | 9.950 | 0.5 | 110 | 0.00 |
| 53 | t | 1,3-Dichloropropane | 10.000 | 10.531 | -5.3 | 114 | 0.00 |
| 54 | t | 2-Hexanone | 50.000 | 38.358 | 23.3 | 71 | 0.00 |
| 55 | t | Dibromochloromethane | 10.000 | 10.781 | -7.8 | 111 | 0.00 |
| 56 | T | 1,2-Dibromoethane | 10.000 | 10.492 | -4.9 | 109 | 0.00 |
| 57 | S | 4-Bromofluorobenzene | 1.000 | 1.025 | -2.5 | 112 | 0.00 |
| 58 | RT | Tetrachloroethene | 10.000 | 10.885 | -8.8 | 116 | 0.00 |
| 59 | Rt | Chlorobenzene | 10.000 | 10.640 | -6.4 | 112 | 0.00 |
| 60 | T | 1,1,1,2-Tetrachloroethane | 10.000 | 10.670 | -6.7 | 111 | 0.00 |
| 61 | t | Pentachloroethane | 10.000 | 9.455 | 5.4 | 101 | 0.00 |
| 62 | t | Hexachloroethane | 10.000 | 10.564 | -5.6 | 105 | 0.00 |
| 63 | Rt | Ethyl Benzene | 10.000 | 11.268 | -12.7 | 113 | 0.00 |
| 64 | RT | m/p-Xylenes | 20.000 | 22.286 | -11.4 | 110 | 0.00 |
| 65 | RT | o-Xylene | 10.000 | 10.874 | -8.7 | 109 | 0.00 |
| 66 | RT | Styrene | 10.000 | 11.254 | -12.5 | 108 | 0.00 |
| 67 | t | Bromoform | 10.000 | 10.893 | -8.9 | 110 | 0.00 |
| 68 | S | 1,2-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 69 | T | Isopropylbenzene | 10.000 | 11.162 | -11.6 | 111 | 0.00 |
| 70 | T | 1,1,2,2-Tetrachloroethane | 10.000 | 9.643 | 3.6 | 106 | 0.00 |
| 71 | T | 1,2,3-Trichloropropane | 10.000 | 6.874 | 31.3# | 81 | 0.00 |
| 72 | t | Bromobenzene | 10.000 | 10.475 | -4.7 | 109 | 0.00 |
| 73 | t | n-propylbenzene | 10.000 | 11.831 | -18.3 | 112 | 0.00 |
| 74 | t | 2-Chlorotoluene | 10.000 | 10.603 | -6.0 | 109 | 0.00 |
| 75 | t | 1,3,5-Trimethylbenzene | 10.000 | 11.103 | -11.0 | 108 | 0.00 |
| 76 | t | 4-Chlorotoluene | 10.000 | 11.022 | -10.2 | 107 | 0.00 |
| 77 | t | tert-Butylbenzene | 10.000 | 10.742 | -7.4 | 106 | 0.00 |
| 78 | t | 1,2,4-Trimethylbenzene | 10.000 | 11.282 | -12.8 | 106 | 0.00 |
| 79 | t | sec-Butylbenzene | 10.000 | 10.904 | -9.0 | 104 | 0.00 |
| 80 | | Nitrobenzene | 50.000 | 40.845 | 18.3 | 85 | 0.00 |
| 81 | t | p-Isopropyltoluene | 10.000 | 11.199 | -12.0 | 105 | 0.00 |
| 82 | t | 1,3-Dichlorobenzene | 10.000 | 10.345 | -3.5 | 106 | 0.00 |
| 83 | Rt | 1,4-Dichlorobenzene | 10.000 | 10.274 | -2.7 | 102 | 0.00 |
| 84 | t | n-Butylbenzene | 10.000 | 9.526 | 4.7 | 104 | 0.00 |
| 85 | Rt | 1,2-Dichlorobenzene | 10.000 | 9.852 | 1.5 | 99 | 0.00 |
| 86 | t | 1,2-Dibromo-3-Chloropropane | 10.000 | 10.435 | -4.4 | 101 | 0.00 |
| 87 | Rt | 1,2,4-Trichlorobenzene | 10.000 | 9.585 | 4.1 | 97 | 0.00 |
| 88 | t | Hexachlorobutadiene | 10.000 | 9.640 | 3.6 | 95 | 0.00 |
| 89 | t | Naphthalene | 10.000 | 9.451 | 5.5 | 92 | 0.00 |
| 90 | t | 1,2,3-Trichlorobenzene | 10.000 | 9.223 | 7.8 | 91 | 0.00 |

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