Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101321\
Data File : VU045314.D
Acq On : 13 Oct 2021 17:56
Operator : SY/MD
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Oct 14 06:28:08 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101321DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Oct 14 05:46:27 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 | 102 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 10.000 | 9.703 | 3.0 | 100 | 0.00 |
| 3 | t | Chloromethane | 10.000 | 9.679 | 3.2 | 103 | 0.00 |
| 4 | Rt | Vinyl Chloride | 10.000 | 9.877 | 1.2 | 102 | 0.00 |
| 5 | T | Bromomethane | 10.000 | 9.026 | 9.7 | 96 | 0.00 |
| 6 | T | Chloroethane | 10.000 | 9.274 | 7.3 | 100 | 0.00 |
| 7 | T | Trichlorofluoromethane | 10.000 | 9.456 | 5.4 | 98 | 0.00 |
| 8 | | 1,1,2-Trichloro-1,2,2-trifl | 10.000 | 9.966 | 0.3 | 102 | 0.00 |
| 9 | Rt | 1,1-Dichloroethene | 10.000 | 9.688 | 3.1 | 100 | 0.00 |
| 10 | t | Iodomethane | 10.000 | 10.764 | -7.6 | 98 | 0.00 |
| 11 | t | Allyl Chloride | 10.000 | 10.016 | -0.2 | 101 | 0.00 |
| 12 | t | Acrylonitrile | 20.000 | 20.161 | -0.8 | 100 | 0.00 |
| 13 | T | Acetone | 50.000 | 51.865 | -3.7 | 109 | 0.00 |
| 14 | T | Carbon Disulfide | 10.000 | 9.778 | 2.2 | 100 | 0.00 |
| 15 | RT | Methylene Chloride | 10.000 | 9.811 | 1.9 | 106 | 0.00 |
| 16 | RT | trans-1,2-Dichloroethene | 10.000 | 9.904 | 1.0 | 101 | 0.00 |
| 17 | t | 1,1-Dichloroethane | 10.000 | 10.001 | -0.0 | 102 | 0.00 |
| 18 | T | 2-Butanone | 50.000 | 52.923 | -5.8 | 106 | 0.00 |
| 19 | | Cyclohexane | 10.000 | 10.066 | -0.7 | 102 | 0.00 |
| 20 | | Methylcyclohexane | 10.000 | 10.124 | -1.2 | 100 | 0.00 |
| 21 | T | 2,2-Dichloropropane | 10.000 | 9.715 | 2.9 | 99 | 0.00 |
| 22 | RT | cis-1,2-Dichloroethene | 10.000 | 9.931 | 0.7 | 101 | 0.00 |
| 23 | t | Diethyl Ether | 10.000 | 9.722 | 2.8 | 101 | 0.00 |
| 24 | t | tert-Butyl Alcohol | 100.000 | 123.295 | -23.3 | 144 | 0.00 |
| 25 | t | Methyl tert-Butyl Ether | 10.000 | 9.849 | 1.5 | 100 | 0.00 |
| 26 | t | Bromochloromethane | 10.000 | 9.646 | 3.5 | 101 | 0.00 |
| 27 | t | Chloroform | 10.000 | 9.639 | 3.6 | 101 | 0.00 |
| 28 | RT | 1,1,1-Trichloroethane | 10.000 | 9.777 | 2.2 | 99 | 0.00 |
| 29 | T | 1,1-Dichloropropene | 10.000 | 9.885 | 1.2 | 100 | 0.00 |
| 30 | RT | Carbon Tetrachloride | 10.000 | 9.933 | 0.7 | 100 | 0.00 |
| 31 | t | Isopropyl Ether | 10.000 | 10.154 | -1.5 | 102 | 0.00 |
| 32 | | Ethyl-t-butyl ether | 10.000 | 10.111 | -1.1 | 101 | 0.00 |
| 33 | | Tert-Amyl methyl ether | 10.000 | 10.027 | -0.3 | 99 | 0.00 |
| 34 | t | Propionitrile | 50.000 | 52.914 | -5.8 | 106 | 0.00 |
| 35 | RT | Benzene | 10.000 | 9.864 | 1.4 | 101 | 0.00 |
| 36 | RT | 1,2-Dichloroethane | 10.000 | 9.616 | 3.8 | 100 | 0.00 |
| 37 | RT | Trichloroethene | 10.000 | 9.776 | 2.2 | 98 | 0.00 |
| 38 | Rt | 1,2-Dichloropropane | 10.000 | 9.926 | 0.7 | 100 | 0.00 |
| 39 | t | Methacrylonitrile | 10.000 | 10.419 | -4.2 | 107 | 0.00 |
| 40 | t | Methyl acrylate | 10.000 | 10.407 | -4.1 | 97 | 0.00 |
| 41 | t | Tetrahydrofuran | 20.000 | 19.291 | 3.5 | 103 | 0.00 |
| 42 | t | 1-Chlorobutane | 10.000 | 10.065 | -0.6 | 103 | 0.00 |
| 43 | T | Dibromomethane | 10.000 | 9.766 | 2.3 | 99 | 0.00 |
| 44 | T | Bromodichloromethane | 10.000 | 10.050 | -0.5 | 100 | 0.00 |
| 45 | T | 4-Methyl-2-Pentanone | 50.000 | 49.764 | 0.5 | 99 | 0.00 |
| 46 | t | t-1,4-Dichloro-2-butene | 20.000 | 23.044 | -15.2 | 106 | 0.00 |
| 47 | t | Methyl methacrylate | 20.000 | 20.337 | -1.7 | 100 | 0.00 |
| 48 | t | Ethyl methacrylate | 10.000 | 10.356 | -3.6 | 99 | 0.00 |
| 49 | Rt | Toluene | 10.000 | 10.018 | -0.2 | 100 | 0.00 |

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

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Max. RRF Dev : 30% Max. Rel. Area : 200%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 50 | T | t-1,3-Dichloropropene | 10.000 | 10.058 | -0.6 | 99 | 0.00 |
| 51 | T | cis-1,3-Dichloropropene | 10.000 | 10.005 | -0.1 | 99 | 0.00 |
| 52 | RT | 1,1,2-Trichloroethane | 10.000 | 9.854 | 1.5 | 100 | 0.00 |
| 53 | t | 1,3-Dichloropropane | 10.000 | 9.696 | 3.0 | 100 | 0.00 |
| 54 | t | 2-Hexanone | 50.000 | 51.719 | -3.4 | 104 | 0.00 |
| 55 | t | Dibromochloromethane | 10.000 | 9.909 | 0.9 | 97 | 0.00 |
| 56 | T | 1,2-Dibromoethane | 10.000 | 9.808 | 1.9 | 98 | 0.00 |
| 57 | S | 4-Bromofluorobenzene | 1.000 | 0.998 | 0.2 | 98 | 0.00 |
| 58 | RT | Tetrachloroethene | 10.000 | 9.960 | 0.4 | 103 | 0.00 |
| 59 | Rt | Chlorobenzene | 10.000 | 9.767 | 2.3 | 98 | 0.00 |
| 60 | T | 1,1,1,2-Tetrachloroethane | 10.000 | 9.902 | 1.0 | 99 | 0.00 |
| 61 | t | Pentachloroethane | 10.000 | 9.910 | 0.9 | 95 | 0.00 |
| 62 | t | Hexachloroethane | 10.000 | 9.834 | 1.7 | 95 | 0.00 |
| 63 | Rt | Ethyl Benzene | 10.000 | 10.173 | -1.7 | 99 | 0.00 |
| 64 | RT | m/p-Xylenes | 20.000 | 20.337 | -1.7 | 99 | 0.00 |
| 65 | RT | o-Xylene | 10.000 | 9.956 | 0.4 | 98 | 0.00 |
| 66 | RT | Styrene | 10.000 | 10.332 | -3.3 | 98 | 0.00 |
| 67 | t | Bromoform | 10.000 | 10.183 | -1.8 | 99 | 0.00 |
| 68 | S | 1,2-Dichlorobenzene-d4 | 1.000 | 0.977 | 2.3 | 95 | 0.00 |
| 69 | T | Isopropylbenzene | 10.000 | 10.119 | -1.2 | 98 | 0.00 |
| 70 | T | 1,1,2,2-Tetrachloroethane | 10.000 | 9.677 | 3.2 | 98 | 0.00 |
| 71 | T | 1,2,3-Trichloropropane | 10.000 | 10.288 | -2.9 | 114 | 0.00 |
| 72 | t | Bromobenzene | 10.000 | 9.836 | 1.6 | 98 | 0.00 |
| 73 | t | n-propylbenzene | 10.000 | 10.161 | -1.6 | 97 | 0.00 |
| 74 | t | 2-Chlorotoluene | 10.000 | 9.900 | 1.0 | 97 | 0.00 |
| 75 | t | 1,3,5-Trimethylbenzene | 10.000 | 10.244 | -2.4 | 98 | 0.00 |
| 76 | t | 4-Chlorotoluene | 10.000 | 10.021 | -0.2 | 97 | 0.00 |
| 77 | t | tert-Butylbenzene | 10.000 | 9.978 | 0.2 | 97 | 0.00 |
| 78 | t | 1,2,4-Trimethylbenzene | 10.000 | 10.120 | -1.2 | 96 | 0.00 |
| 79 | t | sec-Butylbenzene | 10.000 | 9.987 | 0.1 | 97 | 0.00 |
| 80 | | Nitrobenzene | 50.000 | 54.692 | -9.4 | 99 | 0.00 |
| 81 | t | p-Isopropyltoluene | 10.000 | 10.136 | -1.4 | 96 | 0.00 |
| 82 | t | 1,3-Dichlorobenzene | 10.000 | 9.606 | 3.9 | 96 | 0.00 |
| 83 | Rt | 1,4-Dichlorobenzene | 10.000 | 9.605 | 3.9 | 96 | 0.00 |
| 84 | t | n-Butylbenzene | 10.000 | 10.257 | -2.6 | 95 | 0.00 |
| 85 | Rt | 1,2-Dichlorobenzene | 10.000 | 9.552 | 4.5 | 96 | 0.00 |
| 86 | t | 1,2-Dibromo-3-Chloropropane | 10.000 | 9.592 | 4.1 | 93 | 0.00 |
| 87 | Rt | 1,2,4-Trichlorobenzene | 10.000 | 9.845 | 1.5 | 93 | 0.00 |
| 88 | t | Hexachlorobutadiene | 10.000 | 9.879 | 1.2 | 96 | 0.00 |
| 89 | t | Naphthalene | 10.000 | 9.876 | 1.2 | 90 | 0.00 |
| 90 | t | 1,2,3-Trichlorobenzene | 10.000 | 9.937 | 0.6 | 94 | 0.00 |

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