Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072423\
Data File : VU054849.D
Acq On : 24 Jul 2023 09:58
Operator : MD/SY
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 25 02:12:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072123DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Jul 24 09:59:15 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 | 106 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 10.000 | 10.179 | -1.8 | 108 | 0.00 |
| 3 | t | Chloromethane | 10.000 | 9.495 | 5.1 | 108 | 0.00 |
| 4 | Rt | Vinyl Chloride | 10.000 | 9.967 | 0.3 | 106 | 0.00 |
| 5 | T | Bromomethane | 10.000 | 10.437 | -4.4 | 113 | 0.00 |
| 6 | T | Chloroethane | 10.000 | 10.699 | -7.0 | 119 | 0.00 |
| 7 | T | Trichlorofluoromethane | 10.000 | 9.966 | 0.3 | 100 | 0.00 |
| 8 | | 1,1,2-Trichloro-1,2,2-trifl | 10.000 | 10.453 | -4.5 | 109 | 0.00 |
| 9 | Rt | 1,1-Dichloroethene | 10.000 | 10.502 | -5.0 | 109 | 0.00 |
| 10 | t | Iodomethane | 10.000 | 10.169 | -1.7 | 104 | 0.00 |
| 11 | t | Allyl Chloride | 10.000 | 10.600 | -6.0 | 115 | 0.00 |
| 12 | t | Acrylonitrile | 20.000 | 21.351 | -6.8 | 114 | 0.00 |
| 13 | T | Acetone | 50.000 | 56.219 | -12.4 | 138 | 0.00 |
| 14 | T | Carbon Disulfide | 10.000 | 10.260 | -2.6 | 106 | 0.00 |
| 15 | RT | Methylene Chloride | 10.000 | 8.795 | 12.1 | 97 | 0.00 |
| 16 | RT | trans-1,2-Dichloroethene | 10.000 | 10.059 | -0.6 | 106 | 0.00 |
| 17 | t | 1,1-Dichloroethane | 10.000 | 10.578 | -5.8 | 112 | 0.00 |
| 18 | T | 2-Butanone | 50.000 | 59.476 | -19.0 | 124 | 0.00 |
| 19 | | Cyclohexane | 10.000 | 10.293 | -2.9 | 111 | 0.00 |
| 20 | | Methylcyclohexane | 10.000 | 10.870 | -8.7 | 112 | 0.00 |
| 21 | T | 2,2-Dichloropropane | 10.000 | 11.001 | -10.0 | 116 | 0.00 |
| 22 | RT | cis-1,2-Dichloroethene | 10.000 | 10.437 | -4.4 | 106 | 0.00 |
| 23 | t | Diethyl Ether | 10.000 | 9.613 | 3.9 | 102 | 0.00 |
| 24 | t | tert-Butyl Alcohol | 100.000 | 94.906 | 5.1 | 104 | -0.03 |
| 25 | t | Methyl tert-Butyl Ether | 10.000 | 10.837 | -8.4 | 112 | 0.00 |
| 26 | t | Bromochloromethane | 10.000 | 11.361 | -13.6 | 110 | 0.00 |
| 27 | t | Chloroform | 10.000 | 10.592 | -5.9 | 110 | 0.00 |
| 28 | RT | 1,1,1-Trichloroethane | 10.000 | 10.867 | -8.7 | 110 | 0.00 |
| 29 | T | 1,1-Dichloropropene | 10.000 | 11.098 | -11.0 | 111 | 0.00 |
| 30 | RT | Carbon Tetrachloride | 10.000 | 11.279 | -12.8 | 115 | 0.00 |
| 31 | t | Isopropyl Ether | 10.000 | 10.760 | -7.6 | 109 | 0.00 |
| 32 | | Ethyl-t-butyl ether | 10.000 | 10.559 | -5.6 | 111 | 0.00 |
| 33 | | Tert-Amyl methyl ether | 10.000 | 10.416 | -4.2 | 106 | 0.00 |
| 34 | t | Propionitrile | 50.000 | 60.188 | -20.4 | 118 | 0.00 |
| 35 | RT | Benzene | 10.000 | 10.711 | -7.1 | 110 | 0.00 |
| 36 | RT | 1,2-Dichloroethane | 10.000 | 10.695 | -7.0 | 108 | 0.00 |
| 37 | RT | Trichloroethene | 10.000 | 10.920 | -9.2 | 113 | 0.00 |
| 38 | Rt | 1,2-Dichloropropane | 10.000 | 10.458 | -4.6 | 110 | 0.00 |
| 39 | t | Methacrylonitrile | 10.000 | 12.158 | -21.6 | 122 | 0.00 |
| 40 | t | Methyl acrylate | 10.000 | 10.855 | -8.6 | 112 | 0.00 |
| 41 | t | Tetrahydrofuran | 20.000 | 21.499 | -7.5 | 114 | 0.00 |
| 42 | t | 1-Chlorobutane | 10.000 | 10.792 | -7.9 | 111 | 0.00 |
| 43 | T | Dibromomethane | 10.000 | 11.138 | -11.4 | 112 | 0.00 |
| 44 | T | Bromodichloromethane | 10.000 | 11.108 | -11.1 | 112 | 0.00 |
| 45 | T | 4-Methyl-2-Pentanone | 50.000 | 54.151 | -8.3 | 108 | 0.00 |
| 46 | t | t-1,4-Dichloro-2-butene | 20.000 | 25.106 | -25.5 | 127 | 0.00 |
| 47 | t | Methyl methacrylate | 20.000 | 22.417 | -12.1 | 108 | 0.00 |
| 48 | t | Ethyl methacrylate | 10.000 | 10.982 | -9.8 | 109 | 0.00 |
| 49 | Rt | Toluene | 10.000 | 10.834 | -8.3 | 109 | 0.00 |

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ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 25 02:12:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072123DW.M
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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 | 11.650 | -16.5 | 113 | 0.00 |
| 51 | T | cis-1,3-Dichloropropene | 10.000 | 11.598 | -16.0 | 116 | 0.00 |
| 52 | RT | 1,1,2-Trichloroethane | 10.000 | 10.982 | -9.8 | 111 | 0.00 |
| 53 | t | 1,3-Dichloropropane | 10.000 | 10.824 | -8.2 | 106 | 0.00 |
| 54 | t | 2-Hexanone | 50.000 | 55.544 | -11.1 | 113 | 0.00 |
| 55 | t | Dibromochloromethane | 10.000 | 11.288 | -12.9 | 111 | 0.00 |
| 56 | T | 1,2-Dibromoethane | 10.000 | 11.192 | -11.9 | 106 | 0.00 |
| 57 | S | 4-Bromofluorobenzene | 1.000 | 1.137 | -13.7 | 119 | 0.00 |
| 58 | RT | Tetrachloroethene | 10.000 | 10.286 | -2.9 | 106 | 0.00 |
| 59 | Rt | Chlorobenzene | 10.000 | 10.779 | -7.8 | 108 | 0.00 |
| 60 | T | 1,1,1,2-Tetrachloroethane | 10.000 | 11.100 | -11.0 | 107 | 0.00 |
| 61 | t | Pentachloroethane | 10.000 | 11.457 | -14.6 | 112 | 0.00 |
| 62 | t | Hexachloroethane | 10.000 | 12.232 | -22.3 | 115 | 0.00 |
| 63 | Rt | Ethyl Benzene | 10.000 | 10.921 | -9.2 | 108 | 0.00 |
| 64 | RT | m/p-Xylenes | 20.000 | 21.800 | -9.0 | 108 | 0.00 |
| 65 | RT | o-Xylene | 10.000 | 10.973 | -9.7 | 112 | 0.00 |
| 66 | RT | Styrene | 10.000 | 11.163 | -11.6 | 110 | 0.00 |
| 67 | t | Bromoform | 10.000 | 11.779 | -17.8 | 113 | 0.00 |
| 68 | S | 1,2-Dichlorobenzene-d4 | 1.000 | 0.963 | 3.7 | 100 | 0.00 |
| 69 | T | Isopropylbenzene | 10.000 | 10.894 | -8.9 | 108 | 0.00 |
| 70 | T | 1,1,2,2-Tetrachloroethane | 10.000 | 11.596 | -16.0 | 115 | 0.00 |
| 71 | T | 1,2,3-Trichloropropane | 10.000 | 9.211 | 7.9 | 97 | 0.00 |
| 72 | t | Bromobenzene | 10.000 | 10.371 | -3.7 | 106 | 0.00 |
| 73 | t | n-propylbenzene | 10.000 | 10.996 | -10.0 | 111 | 0.00 |
| 74 | t | 2-Chlorotoluene | 10.000 | 10.701 | -7.0 | 109 | 0.00 |
| 75 | t | 1,3,5-Trimethylbenzene | 10.000 | 11.013 | -10.1 | 110 | 0.00 |
| 76 | t | 4-Chlorotoluene | 10.000 | 11.122 | -11.2 | 110 | 0.00 |
| 77 | t | tert-Butylbenzene | 10.000 | 10.958 | -9.6 | 109 | 0.00 |
| 78 | t | 1,2,4-Trimethylbenzene | 10.000 | 11.168 | -11.7 | 108 | 0.00 |
| 79 | t | sec-Butylbenzene | 10.000 | 11.134 | -11.3 | 108 | 0.00 |
| 80 | | Nitrobenzene | 50.000 | 59.399 | -18.8 | 139 | 0.00 |
| 81 | t | p-Isopropyltoluene | 10.000 | 11.131 | -11.3 | 107 | 0.00 |
| 82 | t | 1,3-Dichlorobenzene | 10.000 | 10.799 | -8.0 | 108 | 0.00 |
| 83 | Rt | 1,4-Dichlorobenzene | 10.000 | 10.769 | -7.7 | 108 | 0.00 |
| 84 | t | n-Butylbenzene | 10.000 | 11.440 | -14.4 | 106 | 0.00 |
| 85 | Rt | 1,2-Dichlorobenzene | 10.000 | 10.741 | -7.4 | 108 | 0.00 |
| 86 | t | 1,2-Dibromo-3-Chloropropane | 10.000 | 10.560 | -5.6 | 117 | 0.00 |
| 87 | Rt | 1,2,4-Trichlorobenzene | 10.000 | 11.051 | -10.5 | 108 | 0.00 |
| 88 | t | Hexachlorobutadiene | 10.000 | 10.966 | -9.7 | 111 | 0.00 |
| 89 | t | Naphthalene | 10.000 | 10.345 | -3.5 | 101 | 0.00 |
| 90 | t | 1,2,3-Trichlorobenzene | 10.000 | 10.855 | -8.6 | 103 | 0.00 |

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