Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020923\
Data File : VU053013.D
Acq On : 09 Feb 2023 10:31
Operator : JC/MD
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 09 13:46:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jan 24 05:16:59 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | i | Fluorobenzene | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.338 | 0.286 | 15.4 | 67 | 0.00 |
| 3 | t | Chloromethane | 0.321 | 0.270 | 15.9 | 71 | 0.00 |
| 4 | Rt | Vinyl Chloride | 0.310 | 0.312 | -0.6 | 80 | 0.00 |
| 5 | T | Bromomethane | 0.161 | 0.187 | -16.1 | 89 | 0.00 |
| 6 | T | Chloroethane | 0.187 | 0.209 | -11.8 | 90 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.452 | 0.513 | -13.5 | 91 | 0.00 |
| 8 | | 1,1,2-Trichloro-1,2,2-trifl | 0.247 | 0.276 | -11.7 | 90 | 0.00 |
| 9 | Rt | 1,1-Dichloroethene | 0.233 | 0.253 | -8.6 | 86 | 0.00 |
| 10 | t | Iodomethane | 0.258 | 0.323 | -25.2 | 89 | 0.00 |
| 11 | t | Allyl Chloride | 0.279 | 0.330 | -18.3 | 93 | 0.00 |
| 12 | t | Acrylonitrile | 0.049 | 0.059 | -20.4 | 91 | 0.00 |
| 13 | T | Acetone | 0.070 | 0.102 | -45.7# | 124 | 0.00 |
| 14 | T | Carbon Disulfide | 0.782 | 0.733 | 6.3 | 75 | 0.00 |
| 15 | RT | Methylene Chloride | 0.282 | 0.293 | -3.9 | 92 | 0.00 |
| 16 | RT | trans-1,2-Dichloroethene | 0.260 | 0.271 | -4.2 | 84 | 0.00 |
| 17 | t | 1,1-Dichloroethane | 0.438 | 0.531 | -21.2 | 97 | 0.00 |
| 18 | T | 2-Butanone | 0.082 | 0.116 | -41.5# | 117 | 0.00 |
| 19 | | Cyclohexane | 0.386 | 0.410 | -6.2 | 87 | 0.00 |
| 20 | | Methylcyclohexane | 0.430 | 0.450 | -4.7 | 77 | 0.00 |
| 21 | T | 2,2-Dichloropropane | 0.407 | 0.485 | -19.2 | 97 | 0.00 |
| 22 | RT | cis-1,2-Dichloroethene | 0.271 | 0.303 | -11.8 | 90 | 0.00 |
| 23 | t | Diethyl Ether | 0.165 | 0.192 | -16.4 | 90 | 0.00 |
| 24 | t | tert-Butyl Alcohol | 0.020 | 0.026 | -30.0 | 104 | 0.06 |
| 25 | t | Methyl tert-Butyl Ether | 0.535 | 0.700 | -30.8# | 103 | 0.00 |
| 26 | t | Bromochloromethane | 0.127 | 0.127 | 0.0 | 83 | 0.00 |
| 27 | t | Chloroform | 0.470 | 0.528 | -12.3 | 91 | 0.00 |
| 28 | RT | 1,1,1-Trichloroethane | 0.434 | 0.482 | -11.1 | 89 | 0.00 |
| 29 | T | 1,1-Dichloropropene | 0.366 | 0.354 | 3.3 | 76 | 0.00 |
| 30 | RT | Carbon Tetrachloride | 0.394 | 0.350 | 11.2 | 69 | 0.00 |
| 31 | t | Isopropyl Ether | 0.630 | 0.771 | -22.4 | 98 | 0.00 |
| 32 | | Ethyl-t-butyl ether | 0.588 | 0.823 | -40.0# | 110 | 0.00 |
| 33 | | Tert-Amyl methyl ether | 0.520 | 0.645 | -24.0 | 94 | 0.00 |
| 34 | t | Propionitrile | 0.019 | 0.023 | -21.1 | 94 | -0.01 |
| 35 | RT | Benzene | 1.062 | 0.988 | 7.0 | 73 | 0.00 |
| 36 | RT | 1,2-Dichloroethane | 0.319 | 0.293 | 8.2 | 74 | 0.00 |
| 37 | RT | Trichloroethene | 0.289 | 0.250 | 13.5 | 68 | 0.00 |
| 38 | Rt | 1,2-Dichloropropane | 0.269 | 0.271 | -0.7 | 78 | 0.00 |
| 39 | t | Methacrylonitrile | 0.075 | 0.088 | -17.3 | 92 | 0.00 |
| 40 | t | Methyl acrylate | 0.132 | 0.164 | -24.2 | 92 | 0.00 |
| 41 | t | Tetrahydrofuran | 0.037 | 0.045 | -21.6 | 100 | 0.00 |
| 42 | t | 1-Chlorobutane | 0.468 | 0.460 | 1.7 | 79 | 0.00 |
| 43 | T | Dibromomethane | 0.136 | 0.136 | 0.0 | 80 | 0.00 |
| 44 | T | Bromodichloromethane | 0.370 | 0.352 | 4.9 | 76 | 0.00 |
| 45 | T | 4-Methyl-2-Pentanone | 0.143 | 0.156 | -9.1 | 79 | 0.00 |
| 46 | t | t-1,4-Dichloro-2-butene | 0.075 | 0.086 | -14.7 | 91 | 0.00 |
| 47 | t | Methyl methacrylate | 0.121 | 0.138 | -14.0 | 81 | 0.00 |
| 48 | t | Ethyl methacrylate | 0.220 | 0.280 | -27.3 | 88 | 0.00 |
| 49 | Rt | Toluene | 0.645 | 0.616 | 4.5 | 72 | 0.00 |

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**LabSampleId :**
VSTDCCC010

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

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 50 | T | t-1,3-Dichloropropene | 0.323 | 0.361 | -11.8 | 83 | 0.00 |
| 51 | T | cis-1,3-Dichloropropene | 0.379 | 0.425 | -12.1 | 85 | 0.00 |
| 52 | RT | 1,1,2-Trichloroethane | 0.194 | 0.186 | 4.1 | 74 | 0.00 |
| 53 | t | 1,3-Dichloropropane | 0.335 | 0.339 | -1.2 | 78 | 0.00 |
| 54 | t | 2-Hexanone | 0.125 | 0.155 | -24.0 | 91 | 0.00 |
| 55 | t | Dibromochloromethane | 0.254 | 0.235 | 7.5 | 73 | 0.00 |
| 56 | T | 1,2-Dibromoethane | 0.185 | 0.184 | 0.5 | 78 | 0.00 |
| 57 | S | 4-Bromofluorobenzene | 0.333 | 0.407 | -22.2 | 93 | 0.00 |
| 58 | RT | Tetrachloroethene | 0.261 | 0.196 | 24.9 | 59 | 0.00 |
| 59 | Rt | Chlorobenzene | 0.701 | 0.699 | 0.3 | 76 | 0.00 |
| 60 | T | 1,1,1,2-Tetrachloroethane | 0.271 | 0.241 | 11.1 | 70 | 0.00 |
| 61 | t | Pentachloroethane | 0.222 | 0.210 | 5.4 | 74 | 0.00 |
| 62 | t | Hexachloroethane | 0.225 | 0.232 | -3.1 | 78 | 0.00 |
| 63 | Rt | Ethyl Benzene | 1.136 | 1.257 | -10.7 | 79 | 0.00 |
| 64 | RT | m/p-Xylenes | 0.453 | 0.475 | -4.9 | 73 | 0.00 |
| 65 | RT | o-Xylene | 0.437 | 0.470 | -7.6 | 76 | 0.00 |
| 66 | RT | Styrene | 0.699 | 0.765 | -9.4 | 75 | 0.00 |
| 67 | t | Bromoform | 0.150 | 0.130 | 13.3 | 70 | 0.00 |
| 68 | S | 1,2-Dichlorobenzene-d4 | 0.342 | 0.344 | -0.6 | 75 | 0.00 |
| 69 | T | Isopropylbenzene | 1.112 | 1.250 | -12.4 | 78 | 0.00 |
| 70 | T | 1,1,2,2-Tetrachloroethane | 0.242 | 0.263 | -8.7 | 84 | 0.00 |
| 71 | T | 1,2,3-Trichloropropane | 0.209 | 0.256 | -22.5 | 94 | 0.00 |
| 72 | t | Bromobenzene | 0.283 | 0.259 | 8.5 | 69 | 0.00 |
| 73 | t | n-propylbenzene | 0.309 | 0.336 | -8.7 | 75 | 0.00 |
| 74 | t | 2-Chlorotoluene | 0.281 | 0.283 | -0.7 | 73 | 0.00 |
| 75 | t | 1,3,5-Trimethylbenzene | 0.946 | 1.056 | -11.6 | 76 | 0.00 |
| 76 | t | 4-Chlorotoluene | 0.288 | 0.294 | -2.1 | 72 | 0.00 |
| 77 | t | tert-Butylbenzene | 0.967 | 1.034 | -6.9 | 75 | 0.00 |
| 78 | t | 1,2,4-Trimethylbenzene | 0.954 | 1.074 | -12.6 | 76 | 0.00 |
| 79 | t | sec-Butylbenzene | 1.243 | 1.389 | -11.7 | 77 | 0.00 |
| 80 | | Nitrobenzene | 0.015 | 0.018 | -20.0 | 96 | 0.00 |
| 81 | t | p-Isopropyltoluene | 1.046 | 1.127 | -7.7 | 72 | 0.00 |
| 82 | t | 1,3-Dichlorobenzene | 0.577 | 0.543 | 5.9 | 70 | 0.00 |
| 83 | Rt | 1,4-Dichlorobenzene | 0.579 | 0.548 | 5.4 | 69 | 0.00 |
| 84 | t | n-Butylbenzene | 0.913 | 1.116 | -22.2 | 83 | 0.00 |
| 85 | Rt | 1,2-Dichlorobenzene | 0.544 | 0.524 | 3.7 | 71 | 0.00 |
| 86 | t | 1,2-Dibromo-3-Chloropropane | 0.045 | 0.049 | -8.9 | 86 | 0.00 |
| 87 | Rt | 1,2,4-Trichlorobenzene | 0.326 | 0.349 | -7.1 | 75 | 0.00 |
| 88 | t | Hexachlorobutadiene | 0.229 | 0.184 | 19.7 | 61 | 0.00 |
| 89 | t | Naphthalene | 0.633 | 0.715 | -13.0 | 85 | 0.00 |
| 90 | t | 1,2,3-Trichlorobenzene | 0.310 | 0.315 | -1.6 | 71 | 0.00 |

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