Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040622\
Data File : VU047831.D
Acq On : 06 Apr 2022 15:37
Operator : SY/MD
Sample : VSTDICV010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
ICVVU040622

Quant Time: Apr 07 06:22:32 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U040622DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Apr 07 06:19:08 2022
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 | 100 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 10.000 | 6.625 | 33.8# | 67 | 0.00 |
| 3 | t | Chloromethane | 10.000 | 8.759 | 12.4 | 91 | 0.00 |
| 4 | Rt | Vinyl Chloride | 10.000 | 8.545 | 14.6 | 87 | 0.00 |
| 5 | T | Bromomethane | 10.000 | 8.319 | 16.8 | 82 | 0.00 |
| 6 | T | Chloroethane | 10.000 | 9.186 | 8.1 | 91 | 0.00 |
| 7 | T | Trichlorofluoromethane | 10.000 | 9.309 | 6.9 | 94 | 0.00 |
| 8 | | 1,1,2-Trichloro-1,2,2-trifl | 10.000 | 9.582 | 4.2 | 96 | 0.00 |
| 9 | Rt | 1,1-Dichloroethene | 10.000 | 9.120 | 8.8 | 93 | 0.00 |
| 10 | t | Iodomethane | 10.000 | 9.945 | 0.5 | 86 | 0.00 |
| 11 | t | Allyl Chloride | 10.000 | 10.423 | -4.2 | 107 | 0.00 |
| 12 | t | Acrylonitrile | 20.000 | 51.129 | -155.6# | 264 | 0.00 |
| 13 | T | Acetone | 50.000 | 69.740 | -39.5# | 151 | 0.00 |
| 14 | T | Carbon Disulfide | 10.000 | 7.960 | 20.4 | 82 | 0.00 |
| 15 | RT | Methylene Chloride | 10.000 | 10.851 | -8.5 | 111 | 0.00 |
| 16 | RT | trans-1,2-Dichloroethene | 10.000 | 9.687 | 3.1 | 100 | 0.00 |
| 17 | t | 1,1-Dichloroethane | 10.000 | 10.316 | -3.2 | 105 | 0.00 |
| 18 | T | 2-Butanone | 50.000 | 59.074 | -18.1 | 116 | 0.00 |
| 19 | | Cyclohexane | 10.000 | 10.597 | -6.0 | 101 | 0.00 |
| 20 | | Methylcyclohexane | 10.000 | 10.807 | -8.1 | 100 | 0.00 |
| 21 | T | 2,2-Dichloropropane | 10.000 | 10.512 | -5.1 | 104 | 0.00 |
| 22 | RT | cis-1,2-Dichloroethene | 10.000 | 10.760 | -7.6 | 106 | 0.00 |
| 23 | t | Diethyl Ether | 10.000 | 9.640 | 3.6 | 98 | 0.00 |
| 24 | t | tert-Butyl Alcohol | 100.000 | 55.757 | 44.2# | 56 | 0.00 |
| 25 | t | Methyl tert-Butyl Ether | 10.000 | 10.516 | -5.2 | 106 | 0.00 |
| 26 | t | Bromochloromethane | 10.000 | 8.015 | 19.8 | 82 | 0.00 |
| 27 | t | Chloroform | 10.000 | 10.546 | -5.5 | 107 | 0.00 |
| 28 | RT | 1,1,1-Trichloroethane | 10.000 | 10.253 | -2.5 | 102 | 0.00 |
| 29 | T | 1,1-Dichloropropene | 10.000 | 10.306 | -3.1 | 99 | 0.00 |
| 30 | RT | Carbon Tetrachloride | 10.000 | 10.457 | -4.6 | 104 | 0.00 |
| 31 | t | Isopropyl Ether | 10.000 | 11.873 | -18.7 | 116 | 0.00 |
| 32 | | Ethyl-t-butyl ether | 10.000 | 0.000 | 100.0# | 0 | -4.51# |
| 33 | | Tert-Amyl methyl ether | 10.000 | 0.000 | 100.0# | 0 | -5.95# |
| 34 | t | Propionitrile | 50.000 | 110.742 | -121.5# | 220 | 0.00 |
| 35 | RT | Benzene | 10.000 | 10.327 | -3.3 | 102 | 0.00 |
| 36 | RT | 1,2-Dichloroethane | 10.000 | 10.501 | -5.0 | 105 | 0.00 |
| 37 | RT | Trichloroethene | 10.000 | 10.162 | -1.6 | 102 | 0.00 |
| 38 | Rt | 1,2-Dichloropropane | 10.000 | 10.574 | -5.7 | 104 | 0.00 |
| 39 | t | Methacrylonitrile | 10.000 | 11.276 | -12.8 | 106 | 0.00 |
| 40 | t | Methyl acrylate | 10.000 | 11.538 | -15.4 | 106 | 0.00 |
| 41 | t | Tetrahydrofuran | 20.000 | 52.154 | -160.8# | 269 | 0.00 |
| 42 | t | 1-Chlorobutane | 10.000 | 10.582 | -5.8 | 101 | 0.00 |
| 43 | T | Dibromomethane | 10.000 | 10.622 | -6.2 | 107 | 0.00 |
| 44 | T | Bromodichloromethane | 10.000 | 10.981 | -9.8 | 108 | 0.00 |
| 45 | T | 4-Methyl-2-Pentanone | 50.000 | 55.882 | -11.8 | 105 | 0.00 |
| 46 | t | t-1,4-Dichloro-2-butene | 20.000 | 18.269 | 8.7 | 89 | 0.00 |
| 47 | t | Methyl methacrylate | 20.000 | 10.886 | 45.6# | 50 | 0.00 |
| 48 | t | Ethyl methacrylate | 10.000 | 11.699 | -17.0 | 105 | 0.00 |
| 49 | Rt | Toluene | 10.000 | 11.044 | -10.4 | 103 | 0.00 |

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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
ICVVU040622

Quant Time: Apr 07 06:22:32 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U040622DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Apr 07 06:19:08 2022
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 | 11.529 | -15.3 | 109 | 0.00 |
| 51 | T | cis-1,3-Dichloropropene | 10.000 | 11.707 | -17.1 | 111 | 0.00 |
| 52 | RT | 1,1,2-Trichloroethane | 10.000 | 10.663 | -6.6 | 106 | 0.00 |
| 53 | t | 1,3-Dichloropropane | 10.000 | 10.717 | -7.2 | 107 | 0.00 |
| 54 | t | 2-Hexanone | 50.000 | 59.579 | -19.2 | 111 | 0.00 |
| 55 | t | Dibromochloromethane | 10.000 | 10.960 | -9.6 | 108 | 0.00 |
| 56 | T | 1,2-Dibromoethane | 10.000 | 10.922 | -9.2 | 107 | 0.00 |
| 57 | S | 4-Bromofluorobenzene | 1.000 | 1.204 | -20.4 | 115 | 0.00 |
| 58 | RT | Tetrachloroethene | 10.000 | 10.671 | -6.7 | 105 | 0.00 |
| 59 | Rt | Chlorobenzene | 10.000 | 10.654 | -6.5 | 104 | 0.00 |
| 60 | T | 1,1,1,2-Tetrachloroethane | 10.000 | 11.018 | -10.2 | 106 | 0.00 |
| 61 | t | Pentachloroethane | 10.000 | 11.266 | -12.7 | 111 | 0.00 |
| 62 | t | Hexachloroethane | 10.000 | 11.646 | -16.5 | 111 | 0.00 |
| 63 | Rt | Ethyl Benzene | 10.000 | 11.776 | -17.8 | 106 | 0.00 |
| 64 | RT | m/p-Xylenes | 20.000 | 24.048 | -20.2 | 107 | 0.00 |
| 65 | RT | o-Xylene | 10.000 | 11.929 | -19.3 | 108 | 0.00 |
| 66 | RT | Styrene | 10.000 | 12.201 | -22.0 | 106 | 0.00 |
| 67 | t | Bromoform | 10.000 | 11.236 | -12.4 | 109 | 0.00 |
| 68 | S | 1,2-Dichlorobenzene-d4 | 1.000 | 1.040 | -4.0 | 103 | 0.00 |
| 69 | T | Isopropylbenzene | 10.000 | 12.271 | -22.7 | 109 | 0.00 |
| 70 | T | 1,1,2,2-Tetrachloroethane | 10.000 | 10.923 | -9.2 | 108 | 0.00 |
| 71 | T | 1,2,3-Trichloropropane | 10.000 | 10.711 | -7.1 | 115 | 0.00 |
| 72 | t | Bromobenzene | 10.000 | 11.098 | -11.0 | 108 | 0.00 |
| 73 | t | n-propylbenzene | 10.000 | 12.329 | -23.3 | 108 | 0.00 |
| 74 | t | 2-Chlorotoluene | 10.000 | 11.793 | -17.9 | 110 | 0.00 |
| 75 | t | 1,3,5-Trimethylbenzene | 10.000 | 12.541 | -25.4 | 110 | 0.00 |
| 76 | t | 4-Chlorotoluene | 10.000 | 11.885 | -18.8 | 109 | 0.00 |
| 77 | t | tert-Butylbenzene | 10.000 | 12.142 | -21.4 | 109 | 0.00 |
| 78 | t | 1,2,4-Trimethylbenzene | 10.000 | 12.204 | -22.0 | 107 | 0.00 |
| 79 | t | sec-Butylbenzene | 10.000 | 12.221 | -22.2 | 109 | 0.00 |
| 80 | | Nitrobenzene | 50.000 | 12.022 | 76.0# | 23 | 0.00 |
| 81 | t | p-Isopropyltoluene | 10.000 | 12.539 | -25.4 | 108 | 0.00 |
| 82 | t | 1,3-Dichlorobenzene | 10.000 | 11.286 | -12.9 | 110 | 0.00 |
| 83 | Rt | 1,4-Dichlorobenzene | 10.000 | 11.322 | -13.2 | 110 | 0.00 |
| 84 | t | n-Butylbenzene | 10.000 | 12.288 | -22.9 | 109 | 0.00 |
| 85 | Rt | 1,2-Dichlorobenzene | 10.000 | 11.269 | -12.7 | 110 | 0.00 |
| 86 | t | 1,2-Dibromo-3-Chloropropane | 10.000 | 10.714 | -7.1 | 104 | 0.00 |
| 87 | Rt | 1,2,4-Trichlorobenzene | 10.000 | 12.159 | -21.6 | 113 | 0.00 |
| 88 | t | Hexachlorobutadiene | 10.000 | 11.478 | -14.8 | 109 | 0.00 |
| 89 | t | Naphthalene | 10.000 | 10.842 | -8.4 | 115 | 0.00 |
| 90 | t | 1,2,3-Trichlorobenzene | 10.000 | 11.825 | -18.2 | 111 | 0.00 |

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