Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU073020\
Data File : VU039717.D
Acq On : 30 Jul 2020 11:37
Operator : SY/MD
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 31 06:29:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 30 13:49:19 2020
Response via : Initial Calibration

**Instrument :** MSVOA_U
**ClientSampleId :** VSTDCCC010

**Manual Integrations APPROVED**
sam
8/12/2020 6:34:06 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Fluorobenzene | 6.12 | 96 | 21145 | 1.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 57) 4-Bromofluorobenzene | 10.63 | 95 | 9791 | 1.18 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 118.00% | | | |
| 68) 1,2-Dichlorobenzene-d4 | 12.19 | 152 | 8375 | 1.04 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 104.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.39 | 85 | 72852 | 9.915 | ug/l | 98 |
| 3) Chloromethane | 1.53 | 50 | 89288 | 9.782 | ug/l | 99 |
| 4) Vinyl Chloride | 1.61 | 62 | 84987 | 10.103 | ug/l | 99 |
| 5) Bromomethane | 1.86 | 94 | 50485 | 8.775 | ug/l | 98 |
| 6) Chloroethane | 1.94 | 64 | 56246 | 9.637 | ug/l | 96 |
| 7) Trichlorofluoromethane | 2.15 | 101 | 110972 | 9.974 | ug/l | 94 |
| 8) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 65134 | 10.200 | ug/l | 98 |
| 9) 1,1-Dichloroethene | 2.59 | 96 | 58880 | 10.022 | ug/l | 98 |
| 10) Iodomethane | 2.74 | 142 | 72456 | 12.227 | ug/l | 99 |
| 11) Allyl Chloride | 2.93 | 41 | 125725 | 9.920 | ug/l | 99 |
| 12) Acrylonitrile | 3.33 | 53 | 43005 | 20.854 | ug/l | 95 |
| 13) Acetone | 2.64 | 43 | 103861 | 53.527 | ug/l | 99 |
| 14) Carbon Disulfide | 2.81 | 76 | 215890 | 10.020 | ug/l | 99 |
| 15) Methylene Chloride | 3.06 | 84 | 74168 | 9.056 | ug/l | 96 |
| 16) trans-1,2-Dichloroethene | 3.37 | 96 | 68394 | 10.239 | ug/l | 98 |
| 17) 1,1-Dichloroethane | 3.89 | 63 | 145112 | 9.893 | ug/l | 99 |
| 18) 2-Butanone | 4.74 | 43 | 161703 | 49.558 | ug/l | 99 |
| 19) Cyclohexane | 5.39 | 56 | 129816 | 9.144 | ug/l | 93 |
| 20) Methylcyclohexane | 6.77 | 83 | 113356 | 10.776 | ug/l | 99 |
| 21) 2,2-Dichloropropane | 4.68 | 77 | 116536 | 9.740 | ug/l | 99 |
| 22) cis-1,2-Dichloroethene | 4.68 | 96 | 72993 | 10.138 | ug/l | 98 |
| 23) Diethyl Ether | 2.39 | 59 | 59797 | 9.955 | ug/l | 100 |
| 24) tert-Butyl Alcohol | 3.20 | 59 | 66444 | 92.280 | ug/l | 98 |
| 25) Methyl tert-Butyl Ether | 3.38 | 73 | 194028 | 10.121 | ug/l | 100 |
| 26) Bromochloromethane | 4.99 | 128 | 29599 | 10.048 | ug/l | 99 |
| 27) Chloroform | 5.11 | 83 | 135177 | 9.847 | ug/l | 98 |
| 28) 1,1,1-Trichloroethane | 5.33 | 97 | 113174 | 10.189 | ug/l | 98 |
| 29) 1,1-Dichloropropene | 5.54 | 75 | 107575 | 10.057 | ug/l | 99 |
| 30) Carbon Tetrachloride | 5.53 | 117 | 92164 | 10.148 | ug/l | 98 |
| 31) Isopropyl Ether | 4.02 | 45 | 265709 | 9.933 | ug/l | 100 |
| 32) Ethyl-t-butyl ether | 4.53 | 59 | 224447 | 9.859 | ug/l | 98 |
| 33) Tert-Amyl methyl ether | 5.96 | 73 | 163083 | 9.936 | ug/l | 99 |
| 34) Propionitrile | 4.80 | 54 | 40118 | 49.841 | ug/l | 99 |
| 35) Benzene | 5.79 | 78 | 261385 | 9.879 | ug/l | 100 |
| 36) 1,2-Dichloroethane | 5.81 | 62 | 97329 | 9.814 | ug/l | 100 |
| 37) Trichloroethene | 6.55 | 130 | 61088 | 10.092 | ug/l | 97 |
| 38) 1,2-Dichloropropane | 6.81 | 63 | 75355 | 10.334 | ug/l | 99 |
| 39) Methacrylonitrile | 5.00 | 41 | 38821 | 9.152 | ug/l | 98 |
| 40) Methyl acrylate | 4.87 | 55 | 54948 | 10.045 | ug/l | 98 |
| 41) Tetrahydrofuran | 5.08 | 42 | 38583 | 18.078 | ug/l | 99 |
| 42) 1-Chlorobutane | 5.47 | 56 | 169293 | 10.085 | ug/l | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU073020\
Data File : VU039717.D
Acq On : 30 Jul 2020 11:37
Operator : SY/MD
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 31 06:29:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 30 13:49:19 2020
Response via : Initial Calibration

**Instrument :** MSVOA_U
**ClientSampleId :** VSTDCCC010

**Manual Integrations APPROVED**
sam
8/12/2020 6:34:06 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 43) Dibromomethane | 6.93 | 93 | 38572 | 9.830 | ug/l | 99 |
| 44) Bromodichloromethane | 7.12 | 83 | 93008 | 10.338 | ug/l | 99 |
| 45) 4-Methyl-2-Pentanone | 7.81 | 43 | 311492 | 52.403 | ug/l | 99 |
| 46) t-1,4-Dichloro-2-butene | 10.83 | 75 | 44782m | 25.330 | ug/l | |
| 47) Methyl methacrylate | 6.98 | 69 | 78182 | 21.362 | ug/l | 99 |
| 48) Ethyl methacrylate | 8.34 | 69 | 72811 | 10.809 | ug/l | 99 |
| 49) Toluene | 7.98 | 92 | 166712 | 10.586 | ug/l | 99 |
| 50) t-1,3-Dichloropropene | 8.22 | 75 | 89465 | 11.041 | ug/l | 97 |
| 51) cis-1,3-Dichloropropene | 7.62 | 75 | 100349 | 10.536 | ug/l | 97 |
| 52) 1,1,2-Trichloroethane | 8.41 | 97 | 52041 | 10.208 | ug/l | 97 |
| 53) 1,3-Dichloropropane | 8.58 | 76 | 99651 | 10.180 | ug/l | 99 |
| 54) 2-Hexanone | 8.70 | 43 | 225593 | 53.007 | ug/l | 99 |
| 55) Dibromochloromethane | 8.82 | 129 | 57476 | 10.499 | ug/l | 99 |
| 56) 1,2-Dibromoethane | 8.93 | 107 | 50540 | 10.288 | ug/l | 99 |
| 58) Tetrachloroethene | 8.56 | 164 | 54388 | 10.264 | ug/l | 98 |
| 59) Chlorobenzene | 9.45 | 112 | 171239 | 10.515 | ug/l | 99 |
| 60) 1,1,1,2-Tetrachloroethane | 9.54 | 131 | 57540 | 10.479 | ug/l | 99 |
| 61) Pentachloroethane | 11.43 | 117 | 49094 | 10.176 | ug/l | 99 |
| 62) Hexachloroethane | 12.47 | 117 | 47345 | 10.708 | ug/l | 99 |
| 63) Ethyl Benzene | 9.57 | 91 | 320091 | 10.968 | ug/l | 99 |
| 64) m/p-Xylenes | 9.70 | 106 | 253907 | 22.268 | ug/l | 100 |
| 65) o-Xylene | 10.10 | 106 | 118373 | 10.934 | ug/l | 97 |
| 66) Styrene | 10.11 | 104 | 208661 | 11.247 | ug/l | 99 |
| 67) Bromoform | 10.29 | 173 | 30786 | 11.024 | ug/l | 97 |
| 69) Isopropylbenzene | 10.48 | 105 | 315652 | 10.916 | ug/l | 100 |
| 70) 1,1,2,2-Tetrachloroethane | 10.78 | 83 | 75774 | 10.325 | ug/l | 98 |
| 71) 1,2,3-Trichloropropane | 10.83 | 75 | 62193m | 11.249 | ug/l | |
| 72) Bromobenzene | 10.78 | 156 | 68982 | 10.504 | ug/l | 98 |
| 73) n-propylbenzene | 10.91 | 120 | 88634 | 10.902 | ug/l | 98 |
| 74) 2-Chlorotoluene | 10.99 | 126 | 72538 | 10.562 | ug/l | 99 |
| 75) 1,3,5-Trimethylbenzene | 11.09 | 105 | 281845 | 11.275 | ug/l | 99 |
| 76) 4-Chlorotoluene | 11.10 | 126 | 77619 | 10.911 | ug/l | 99 |
| 77) tert-Butylbenzene | 11.42 | 119 | 259752 | 10.832 | ug/l | 100 |
| 78) 1,2,4-Trimethylbenzene | 11.46 | 105 | 286315 | 11.168 | ug/l | 99 |
| 79) sec-Butylbenzene | 11.64 | 105 | 379989 | 11.133 | ug/l | 99 |
| 80) Nitrobenzene | 13.20 | 77 | 6541 | 52.669 | ug/l | 99 |
| 81) p-Isopropyltoluene | 11.79 | 119 | 308577 | 11.218 | ug/l | 100 |
| 82) 1,3-Dichlorobenzene | 11.74 | 146 | 147883 | 10.463 | ug/l | 99 |
| 83) 1,4-Dichlorobenzene | 11.83 | 146 | 149556 | 10.520 | ug/l | 99 |
| 84) n-Butylbenzene | 12.20 | 91 | 326306 | 11.168 | ug/l | 100 |
| 85) 1,2-Dichlorobenzene | 12.21 | 146 | 141285 | 10.371 | ug/l | 99 |
| 86) 1,2-Dibromo-3-Chloropropan | 12.99 | 75 | 13008 | 10.522 | ug/l | 97 |
| 87) 1,2,4-Trichlorobenzene | 13.83 | 180 | 88428 | 10.378 | ug/l | 99 |
| 88) Hexachlorobutadiene | 14.01 | 225 | 40915 | 10.574 | ug/l | 99 |
| 89) Naphthalene | 14.08 | 128 | 194124 | 10.648 | ug/l | 99 |
| 90) 1,2,3-Trichlorobenzene | 14.32 | 180 | 83295 | 10.356 | ug/l | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU073020\
Data File : VU039717.D
Acq On : 30 Jul 2020 11:37
Operator : SY/MD
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 31 06:29:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 30 13:49:19 2020
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTDCCC010

**Manual Integrations APPROVED**
sam
8/12/2020 6:34:06 PM