Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091622\
Data File : VU050723.D
Acq On : 16 Sep 2022 13:43
Operator : JC/MD
Sample : VU0916WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 17 01:06:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Aug 25 14:01:59 2022
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
VU0916WBS01

**Manual Integrations APPROVED**
Reviewed By :Krupa Patel 09/19/2022
Supervised By :Mahesh Dadoda 09/21/2022

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 6.115 | 96 | 49531 | 1.000 | ug/l | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 57) 4-Bromofluorobenzene | 10.636 | 95 | 16049 | 0.952 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = | 95.000% | | |
| 68) 1,2-Dichlorobenzene-d4 | 12.195 | 152 | 19086 | 0.957 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = | 96.000% | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.385 | 85 | 37002 | 1.804 | ug/l | 97 |
| 3) Chloromethane | 1.517 | 50 | 37451 | 1.501 | ug/l | 99 |
| 4) Vinyl Chloride | 1.604 | 62 | 35522 | 1.666 | ug/l | 97 |
| 5) Bromomethane | 1.858 | 94 | 20546 | 2.355 | ug/l | 99 |
| 6) Chloroethane | 1.935 | 64 | 20645 | 1.601 | ug/l | 96 |
| 7) Trichlorofluoromethane | 2.141 | 101 | 42915 | 1.613 | ug/l | 99 |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.581 | 101 | 23802 | 1.599 | ug/l | 95 |
| 9) 1,1-Dichloroethene | 2.581 | 96 | 22327 | 1.531 | ug/l | 94 |
| 10) Iodomethane | 2.723 | 142 | 20250 | 1.684 | ug/l | 97 |
| 11) Allyl Chloride | 2.926 | 41 | 37056 | 1.648 | ug/l | 93 |
| 12) Acrylonitrile | 3.318 | 53 | 12601 | 2.880 | ug/l | 95 |
| 13) Acetone | 2.630 | 43 | 24284 | 7.936 | ug/l # | 87 |
| 14) Carbon Disulfide | 2.794 | 76 | 64603 | 1.430 | ug/l | 98 |
| 15) Methylene Chloride | 3.044 | 84 | 47606 | 2.412 | ug/l | 98 |
| 16) trans-1,2-Dichloroethene | 3.350 | 96 | 24145 | 1.602 | ug/l | 94 |
| 17) 1,1-Dichloroethane | 3.868 | 63 | 53133 | 1.692 | ug/l | 98 |
| 18) 2-Butanone | 4.720 | 43 | 34018 | 7.068 | ug/l | 97 |
| 19) Cyclohexane | 5.388 | 56 | 31678m | 1.390 | ug/l | |
| 20) Methylcyclohexane | 6.761 | 83 | 30592 | 1.703 | ug/l | 92 |
| 21) 2,2-Dichloropropane | 4.665 | 77 | 40476 | 1.696 | ug/l | 100 |
| 22) cis-1,2-Dichloroethene | 4.668 | 96 | 28424 | 1.666 | ug/l | 100 |
| 23) Diethyl Ether | 2.379 | 59 | 19245 | 1.536 | ug/l | 96 |
| 24) tert-Butyl Alcohol | 3.192 | 59 | 24979 | 15.750 | ug/l | 96 |
| 25) Methyl tert-Butyl Ether | 3.369 | 73 | 59399 | 1.533 | ug/l | 98 |
| 26) Bromochloromethane | 4.977 | 128 | 13142 | 1.920 | ug/l | 98 |
| 27) Chloroform | 5.089 | 83 | 54396 | 1.788 | ug/l | 95 |
| 28) 1,1,1-Trichloroethane | 5.318 | 97 | 44023 | 1.695 | ug/l | 99 |
| 29) 1,1-Dichloropropene | 5.527 | 75 | 31679 | 1.523 | ug/l | 98 |
| 30) Carbon Tetrachloride | 5.520 | 117 | 34872 | 1.678 | ug/l | 96 |
| 31) Isopropyl Ether | 3.999 | 45 | 66068 | 1.356 | ug/l | 85 |
| 32) Ethyl-t-butyl ether | 4.507 | 59 | 54804 | 1.432 | ug/l | 99 |
| 33) Tert-Amyl methyl ether | 5.945 | 73 | 47134 | 1.889 | ug/l | 99 |
| 34) Propionitrile | 4.794 | 54 | 11292 | 7.943 | ug/l # | 93 |
| 35) Benzene | 5.774 | 78 | 108732 | 1.778 | ug/l | 99 |
| 36) 1,2-Dichloroethane | 5.797 | 62 | 32302 | 1.730 | ug/l | 99 |
| 37) Trichloroethene | 6.543 | 130 | 26254 | 1.791 | ug/l | 96 |
| 38) 1,2-Dichloropropane | 6.794 | 63 | 29967 | 1.826 | ug/l | 97 |
| 39) Methacrylonitrile | 4.980 | 41 | 7182 | 1.231 | ug/l # | 90 |
| 40) Methyl acrylate | 4.861 | 55 | 11528m | 1.297 | ug/l | |
| 41) Tetrahydrofuran | 5.064 | 42 | 7800 | 2.671 | ug/l # | 64 |
| 42) 1-Chlorobutane | 5.459 | 56 | 43820 | 1.479 | ug/l | 95 |
| 43) Dibromomethane | 6.922 | 93 | 15744 | 1.780 | ug/l | 90 |
| 44) Bromodichloromethane | 7.105 | 83 | 38663 | 1.852 | ug/l | 98 |

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091622\
Data File : VU050723.D
Acq On : 16 Sep 2022 13:43
Operator : JC/MD
Sample : VU0916WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 17 01:06:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Aug 25 14:01:59 2022
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
VU0916WBS01

**Manual Integrations APPROVED**

Reviewed By :Krupa Patel 09/19/2022
Supervised By :Mahesh Dadoda 09/21/2022

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 45) 4-Methyl-2-Pentanone | 7.797 | 43 | 72759 | 8.193 ug/l | 95 |
| 46) t-1,4-Dichloro-2-butene | 10.826 | 75 | 14954m | 3.270 ug/l | |
| 47) Methyl methacrylate | 6.967 | 69 | 21086 | 3.428 ug/l | 92 |
| 48) Ethyl methacrylate | 8.337 | 69 | 18444 | 1.714 ug/l | 95 |
| 49) Toluene | 7.970 | 92 | 56944 | 1.733 ug/l | 96 |
| 50) t-1,3-Dichloropropene | 8.215 | 75 | 27163 | 1.671 ug/l | 96 |
| 51) cis-1,3-Dichloropropene | 7.610 | 75 | 33004 | 1.774 ug/l | 97 |
| 52) 1,1,2-Trichloroethane | 8.401 | 97 | 22270 | 1.713 ug/l | 97 |
| 53) 1,3-Dichloropropane | 8.578 | 76 | 36030 | 1.760 ug/l | 96 |
| 54) 2-Hexanone | 8.691 | 43 | 47421 | 7.668 ug/l | 95 |
| 55) Dibromochloromethane | 8.810 | 129 | 23726 | 1.659 ug/l | 97 |
| 56) 1,2-Dibromoethane | 8.925 | 107 | 19056 | 1.632 ug/l | 95 |
| 58) Tetrachloroethene | 8.552 | 164 | 23569 | 1.709 ug/l | 95 |
| 59) Chlorobenzene | 9.449 | 112 | 60675 | 1.712 ug/l | 100 |
| 60) 1,1,1,2-Tetrachloroethane | 9.533 | 131 | 26010 | 1.746 ug/l | 97 |
| 61) Pentachloroethane | 11.427 | 117 | 22216 | 1.792 ug/l | 91 |
| 62) Hexachloroethane | 12.475 | 117 | 19056 | 1.847 ug/l | 97 |
| 63) Ethyl Benzene | 9.572 | 91 | 90870 | 1.765 ug/l | 98 |
| 64) m/p-Xylenes | 9.697 | 106 | 68790 | 3.369 ug/l | 97 |
| 65) o-Xylene | 10.099 | 106 | 34029 | 1.729 ug/l | 97 |
| 66) Styrene | 10.115 | 104 | 55559 | 1.706 ug/l | 100 |
| 67) Bromoform | 10.292 | 173 | 13100 | 1.613 ug/l | 98 |
| 69) Isopropylbenzene | 10.485 | 105 | 87259 | 1.744 ug/l | 97 |
| 70) 1,1,2,2-Tetrachloroethane | 10.784 | 83 | 28627 | 1.600 ug/l | 97 |
| 71) 1,2,3-Trichloropropane | 10.826 | 75 | 21550m | 1.601 ug/l | |
| 72) Bromobenzene | 10.784 | 156 | 26251 | 1.715 ug/l | 99 |
| 73) n-propylbenzene | 10.906 | 120 | 22177 | 1.658 ug/l | 96 |
| 74) 2-Chlorotoluene | 10.986 | 126 | 24066 | 1.695 ug/l | 99 |
| 75) 1,3,5-Trimethylbenzene | 11.089 | 105 | 74562 | 1.651 ug/l | 97 |
| 76) 4-Chlorotoluene | 11.099 | 126 | 23454 | 1.619 ug/l | 100 |
| 77) tert-Butylbenzene | 11.420 | 119 | 75168 | 1.705 ug/l | 96 |
| 78) 1,2,4-Trimethylbenzene | 11.469 | 105 | 72185 | 1.605 ug/l | 94 |
| 79) sec-Butylbenzene | 11.645 | 105 | 95862 | 1.671 ug/l | 99 |
| 80) Nitrobenzene | 13.218 | 77 | 6436m | 6.630 ug/l | |
| 81) p-Isopropyltoluene | 11.793 | 119 | 72749 | 1.641 ug/l | 98 |
| 82) 1,3-Dichlorobenzene | 11.745 | 146 | 54306 | 1.723 ug/l | 99 |
| 83) 1,4-Dichlorobenzene | 11.838 | 146 | 53543 | 1.709 ug/l | 99 |
| 84) n-Butylbenzene | 12.211 | 91 | 72005 | 1.710 ug/l | 98 |
| 85) 1,2-Dichlorobenzene | 12.215 | 146 | 51090 | 1.649 ug/l | 99 |
| 86) 1,2-Dibromo-3-Chloropr... | 12.999 | 75 | 3898 | 1.380 ug/l | 88 |
| 87) 1,2,4-Trichlorobenzene | 13.845 | 180 | 28281 | 1.600 ug/l | 98 |
| 88) Hexachlorobutadiene | 14.022 | 225 | 18501 | 1.608 ug/l | 98 |
| 89) Naphthalene | 14.089 | 128 | 44316 | 1.796 ug/l | 97 |
| 90) 1,2,3-Trichlorobenzene | 14.330 | 180 | 26235 | 1.585 ug/l | 99 |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091622\
Data File : VU050723.D
Acq On : 16 Sep 2022 13:43
Operator : JC/MD
Sample : VU0916WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 17 01:06:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Aug 25 14:01:59 2022
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
VU0916WBS01

**Manual Integrations APPROVED**

Reviewed By :Krupa Patel 09/19/2022
Supervised By :Mahesh Dadoda 09/21/2022