Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071921\
Data File : VU044357.D
Acq On : 19 Jul 2021 10:48
Operator : SY/MD
Sample : VU0719WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 20 01:20:25 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071621DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 16 14:36:39 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
VU0719WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 07/20/2021
Supervised By :Mahesh Dadoda 07/23/2021

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 6.121 | 96 | 52612 | 1.000 | ug/l | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 57) 4-Bromofluorobenzene | 10.639 | 95 | 21652 | 1.020 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 102.000% | | | |
| 68) 1,2-Dichlorobenzene-d4 | 12.198 | 152 | 21110 | 1.020 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 102.000% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.388 | 85 | 33566 | 1.828 | ug/l | 100 |
| 3) Chloromethane | 1.527 | 50 | 37518 | 1.879 | ug/l | 96 |
| 4) Vinyl Chloride | 1.607 | 62 | 37314 | 1.851 | ug/l | 97 |
| 5) Bromomethane | 1.864 | 94 | 20570 | 1.913 | ug/l | 99 |
| 6) Chloroethane | 1.938 | 64 | 21990 | 1.793 | ug/l | 96 |
| 7) Trichlorofluoromethane | 2.147 | 101 | 41477 | 1.903 | ug/l | 100 |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.591 | 101 | 25455 | 1.848 | ug/l | 98 |
| 9) 1,1-Dichloroethene | 2.588 | 96 | 25207 | 1.876 | ug/l | 93 |
| 10) Iodomethane | 2.729 | 142 | 31602 | 1.797 | ug/l | 88 |
| 11) Allyl Chloride | 2.932 | 41 | 42589 | 1.925 | ug/l # | 80 |
| 12) Acrylonitrile | 3.331 | 53 | 10399 | 3.377 | ug/l | 98 |
| 13) Acetone | 2.636 | 43 | 11818 | 7.696 | ug/l | 94 |
| 14) Carbon Disulfide | 2.800 | 76 | 83595 | 1.880 | ug/l | 99 |
| 15) Methylene Chloride | 3.054 | 84 | 31493 | 1.652 | ug/l | 93 |
| 16) trans-1,2-Dichloroethene | 3.359 | 96 | 27342 | 1.824 | ug/l | 99 |
| 17) 1,1-Dichloroethane | 3.880 | 63 | 52783 | 1.891 | ug/l | 98 |
| 18) 2-Butanone | 4.732 | 43 | 28397 | 8.623 | ug/l | 99 |
| 19) Cyclohexane | 5.388 | 56 | 47916 | 1.878 | ug/l | 98 |
| 20) Methylcyclohexane | 6.768 | 83 | 48884 | 1.837 | ug/l | 98 |
| 21) 2,2-Dichloropropane | 4.675 | 77 | 41729 | 1.823 | ug/l | 93 |
| 22) cis-1,2-Dichloroethene | 4.678 | 96 | 30606 | 1.869 | ug/l | 93 |
| 23) Diethyl Ether | 2.385 | 59 | 21109 | 1.873 | ug/l | 100 |
| 24) tert-Butyl Alcohol | 3.205 | 59 | 9496 | 14.195 | ug/l | 97 |
| 25) Methyl tert-Butyl Ether | 3.379 | 73 | 69790 | 1.861 | ug/l | 95 |
| 26) Bromochloromethane | 4.986 | 128 | 12742 | 1.838 | ug/l | 96 |
| 27) Chloroform | 5.099 | 83 | 50170 | 1.857 | ug/l | 96 |
| 28) 1,1,1-Trichloroethane | 5.321 | 97 | 42059 | 1.867 | ug/l | 98 |
| 29) 1,1-Dichloropropene | 5.533 | 75 | 39385 | 1.840 | ug/l | 98 |
| 30) Carbon Tetrachloride | 5.530 | 117 | 34813 | 1.853 | ug/l | 99 |
| 31) Isopropyl Ether | 4.012 | 45 | 88125 | 1.898 | ug/l | 94 |
| 32) Ethyl-t-butyl ether | 4.523 | 59 | 84885 | 1.854 | ug/l | 98 |
| 33) Tert-Amyl methyl ether | 5.961 | 73 | 71588 | 1.758 | ug/l | 99 |
| 34) Propionitrile | 4.800 | 54 | 7702 | 8.262 | ug/l # | 97 |
| 35) Benzene | 5.781 | 78 | 113887 | 1.831 | ug/l | 99 |
| 36) 1,2-Dichloroethane | 5.806 | 62 | 33110 | 1.855 | ug/l | 98 |
| 37) Trichloroethene | 6.549 | 130 | 29408 | 1.881 | ug/l | 95 |
| 38) 1,2-Dichloropropane | 6.803 | 63 | 30423 | 1.848 | ug/l | 99 |
| 39) Methacrylonitrile | 4.999 | 41 | 10001 | 1.882 | ug/l | 98 |
| 40) Methyl acrylate | 4.864 | 55 | 14598 | 1.765 | ug/l | 98 |
| 41) Tetrahydrofuran | 5.083 | 42 | 8444 | 3.350 | ug/l | 92 |
| 42) 1-Chlorobutane | 5.465 | 56 | 56331 | 1.862 | ug/l | 94 |
| 43) Dibromomethane | 6.928 | 93 | 15712 | 1.924 | ug/l | 97 |
| 44) Bromodichloromethane | 7.115 | 83 | 36735 | 1.896 | ug/l | 97 |

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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

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MSVOA_U
**ClientSampleId :**
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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 16 14:36:39 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 45) 4-Methyl-2-Pentanone | 7.813 | 43 | 104823 | 9.448 | ug/l | | 96 |
| 46) t-1,4-Dichloro-2-butene | 10.841 | 75 | 17361m | 3.693 | ug/l | | |
| 47) Methyl methacrylate | 6.980 | 69 | 33777 | 3.741 | ug/l | # | 87 |
| 48) Ethyl methacrylate | 8.346 | 69 | 34300 | 1.840 | ug/l | | 94 |
| 49) Toluene | 7.977 | 92 | 73052 | 1.867 | ug/l | | 99 |
| 50) t-1,3-Dichloropropene | 8.221 | 75 | 37330 | 1.855 | ug/l | | 99 |
| 51) cis-1,3-Dichloropropene | 7.617 | 75 | 43312 | 1.825 | ug/l | | 93 |
| 52) 1,1,2-Trichloroethane | 8.411 | 97 | 22645 | 1.882 | ug/l | | 98 |
| 53) 1,3-Dichloropropane | 8.584 | 76 | 40962 | 1.853 | ug/l | | 99 |
| 54) 2-Hexanone | 8.700 | 43 | 73752 | 9.346 | ug/l | | 94 |
| 55) Dibromochloromethane | 8.819 | 129 | 23736 | 1.822 | ug/l | | 100 |
| 56) 1,2-Dibromoethane | 8.935 | 107 | 21668 | 1.842 | ug/l | | 99 |
| 58) Tetrachloroethene | 8.562 | 164 | 24972 | 1.882 | ug/l | | 98 |
| 59) Chlorobenzene | 9.456 | 112 | 75554 | 1.826 | ug/l | | 98 |
| 60) 1,1,1,2-Tetrachloroethane | 9.543 | 131 | 25675 | 1.862 | ug/l | | 98 |
| 61) Pentachloroethane | 11.436 | 117 | 20011 | 1.816 | ug/l | | 95 |
| 62) Hexachloroethane | 12.481 | 117 | 21063 | 1.832 | ug/l | | 99 |
| 63) Ethyl Benzene | 9.578 | 91 | 136341 | 1.844 | ug/l | | 99 |
| 64) m/p-Xylenes | 9.700 | 106 | 103852 | 3.675 | ug/l | | 100 |
| 65) o-Xylene | 10.108 | 106 | 49873 | 1.829 | ug/l | | 98 |
| 66) Styrene | 10.121 | 104 | 86774 | 1.847 | ug/l | | 98 |
| 67) Bromoform | 10.298 | 173 | 13437 | 1.843 | ug/l | # | 99 |
| 69) Isopropylbenzene | 10.491 | 105 | 134995 | 1.851 | ug/l | | 98 |
| 70) 1,1,2,2-Tetrachloroethane | 10.790 | 83 | 28723 | 1.809 | ug/l | | 97 |
| 71) 1,2,3-Trichloropropane | 10.838 | 75 | 24959m | 1.833 | ug/l | | |
| 72) Bromobenzene | 10.790 | 156 | 31376 | 1.858 | ug/l | | 95 |
| 73) n-propylbenzene | 10.912 | 120 | 36418 | 1.852 | ug/l | | 95 |
| 74) 2-Chlorotoluene | 10.993 | 126 | 30564 | 1.812 | ug/l | | 92 |
| 75) 1,3,5-Trimethylbenzene | 11.095 | 105 | 114105 | 1.851 | ug/l | | 100 |
| 76) 4-Chlorotoluene | 11.102 | 126 | 31750 | 1.812 | ug/l | | 93 |
| 77) tert-Butylbenzene | 11.427 | 119 | 110699 | 1.832 | ug/l | | 100 |
| 78) 1,2,4-Trimethylbenzene | 11.475 | 105 | 114825 | 1.835 | ug/l | | 100 |
| 79) sec-Butylbenzene | 11.649 | 105 | 153227 | 1.862 | ug/l | | 98 |
| 80) Nitrobenzene | 13.218 | 77 | 3623 | 7.649 | ug/l | # | 98 |
| 81) p-Isopropyltoluene | 11.800 | 119 | 124793 | 1.831 | ug/l | | 99 |
| 82) 1,3-Dichlorobenzene | 11.751 | 146 | 61353 | 1.829 | ug/l | | 98 |
| 83) 1,4-Dichlorobenzene | 11.841 | 146 | 62651 | 1.849 | ug/l | | 99 |
| 84) n-Butylbenzene | 12.214 | 91 | 124427 | 1.865 | ug/l | | 99 |
| 85) 1,2-Dichlorobenzene | 12.221 | 146 | 60044 | 1.848 | ug/l | | 99 |
| 86) 1,2-Dibromo-3-Chloropr... | 13.005 | 75 | 5045 | 1.838 | ug/l | | 98 |
| 87) 1,2,4-Trichlorobenzene | 13.848 | 180 | 41184 | 1.791 | ug/l | | 99 |
| 88) Hexachlorobutadiene | 14.028 | 225 | 19946 | 1.793 | ug/l | | 99 |
| 89) Naphthalene | 14.095 | 128 | 80698 | 1.755 | ug/l | | 100 |
| 90) 1,2,3-Trichlorobenzene | 14.337 | 180 | 37865 | 1.814 | ug/l | | 98 |

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

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