Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092321\
Data File : VX024460.D
Acq On : 23 Sep 2021 19:38
Operator : JC/MD
Sample : VX0923WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD01

**Manual Integrations APPROVED**
MMDadoda
9/24/2021 6:57:59 PM

Quant Time: Sep 24 07:38:11 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 168546 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 278324 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 273258 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 129836 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 119008 | 50.099 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 100.200% | | | |
| 35) Dibromofluoromethane | 5.391 | 113 | 87511 | 47.329 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 94.660% | | | |
| 50) Toluene-d8 | 8.653 | 98 | 321821 | 47.290 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 94.580% | | | |
| 62) 4-Bromofluorobenzene | 11.085 | 95 | 120238 | 44.937 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 89.880% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 31845 | 18.777 | ug/l | 98 |
| 3) Chloromethane | 1.295 | 50 | 27228 | 17.032 | ug/l | 97 |
| 4) Vinyl Chloride | 1.374 | 62 | 29563 | 17.679 | ug/l | 95 |
| 5) Bromomethane | 1.599 | 94 | 21178 | 18.817 | ug/l | 99 |
| 6) Chloroethane | 1.685 | 64 | 16728 | 15.200 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.886 | 101 | 47821 | 16.205 | ug/l | 100 |
| 8) Diethyl Ether | 2.136 | 74 | 15914 | 15.843 | ug/l | 92 |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 29586 | 17.779 | ug/l | 95 |
| 10) Methyl Iodide | 2.453 | 142 | 43935 | 18.869 | ug/l | 95 |
| 11) Tert butyl alcohol | 2.971 | 59 | 58065 | 97.559 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.319 | 96 | 27968 | 18.102 | ug/l | 91 |
| 13) Acrolein | 2.239 | 56 | 10673 | 89.790 | ug/l | 97 |
| 14) Allyl chloride | 2.666 | 41 | 54857 | 19.420 | ug/l | 96 |
| 15) Acrylonitrile | 3.075 | 53 | 105371 | 97.641 | ug/l | 98 |
| 16) Acetone | 2.386 | 43 | 96625 | 89.913 | ug/l | 94 |
| 17) Carbon Disulfide | 2.514 | 76 | 74643 | 18.884 | ug/l | 98 |
| 18) Methyl Acetate | 2.709 | 43 | 67826 | 19.068 | ug/l | 91 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 109497 | 18.805 | ug/l | 100 |
| 20) Methylene Chloride | 2.794 | 84 | 35770 | 19.426 | ug/l | 95 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 32764 | 18.675 | ug/l | 95 |
| 22) Diisopropyl ether | 3.770 | 45 | 107535 | 18.633 | ug/l | 96 |
| 23) Vinyl Acetate | 3.733 | 43 | 438757 | 93.885 | ug/l | 96 |
| 24) 1,1-Dichloroethane | 3.617 | 63 | 60539 | 18.893 | ug/l | 99 |
| 25) 2-Butanone | 4.568 | 43 | 138684 | 84.774 | ug/l | 91 |
| 26) 2,2-Dichloropropane | 4.483 | 77 | 48324 | 16.765 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 4.495 | 96 | 35584 | 17.353 | ug/l | 96 |
| 28) Bromochloromethane | 4.910 | 49 | 20880 | 14.354 | ug/l | 97 |
| 29) Tetrahydrofuran | 5.019 | 42 | 91491 | 87.770 | ug/l | 90 |
| 30) Chloroform | 5.105 | 83 | 60562 | 17.113 | ug/l | 99 |
| 31) Cyclohexane | 5.477 | 56 | 50506 | 17.756 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 5.397 | 97 | 53547 | 17.043 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.696 | 75 | 44609 | 16.719 | ug/l | 98 |
| 37) Ethyl Acetate | 4.727 | 43 | 52902 | 15.881 | ug/l | 95 |
| 38) Carbon Tetrachloride | 5.684 | 117 | 49087 | 16.901 | ug/l | 99 |
| 39) Methylcyclohexane | 7.385 | 83 | 56150 | 17.973 | ug/l | 98 |
| 40) Benzene | 6.050 | 78 | 122021 | 15.993 | ug/l | 100 |

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD01

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9/24/2021 6:57:59 PM

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.934 | 41 | 27897 | 16.216 | ug/l | | 91 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 51579 | 16.098 | ug/l | | 94 |
| 43) Isopropyl Acetate | 6.348 | 43 | 84172 | 16.620 | ug/l | | 93 |
| 44) Trichloroethene | 7.135 | 130 | 36604 | 17.437 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 7.440 | 63 | 35220 | 17.893 | ug/l | | 93 |
| 46) Dibromomethane | 7.586 | 93 | 25156 | 17.043 | ug/l | | 98 |
| 47) Bromodichloromethane | 7.830 | 83 | 42272 | 15.627 | ug/l | | 97 |
| 48) Methyl methacrylate | 7.702 | 41 | 42282 | 16.861 | ug/l | | 90 |
| 49) 1,4-Dioxane | 7.665 | 88 | 20397 | 355.111 | ug/l | | 97 |
| 51) 4-Methyl-2-Pentanone | 8.580 | 43 | 265007 | 79.262 | ug/l | | 90 |
| 52) Toluene | 8.720 | 92 | 79748 | 16.181 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.982 | 75 | 49698 | 16.209 | ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 8.373 | 75 | 51093 | 16.389 | ug/l | # | 91 |
| 55) 1,1,2-Trichloroethane | 9.159 | 97 | 35262 | 17.303 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.122 | 69 | 53031 | 16.350 | ug/l | # | 86 |
| 57) 1,3-Dichloropropane | 9.311 | 76 | 60113 | 17.483 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 138658 | 86.605 | ug/l | | 98 |
| 59) 2-Hexanone | 9.433 | 43 | 228402 | 86.746 | ug/l | | 90 |
| 60) Dibromochloromethane | 9.525 | 129 | 34772 | 15.868 | ug/l | | 97 |
| 61) 1,2-Dibromoethane | 9.616 | 107 | 38853 | 17.367 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.275 | 164 | 31060 | 16.423 | ug/l | | 94 |
| 65) Chlorobenzene | 10.080 | 112 | 96085 | 16.879 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131 | 35103 | 16.546 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.195 | 91 | 169231 | 16.794 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.305 | 106 | 132704 | 34.342 | ug/l | | 100 |
| 69) o-Xylene | 10.647 | 106 | 59405 | 15.547 | ug/l | | 99 |
| 70) Styrene | 10.659 | 104 | 99197 | 15.525 | ug/l | | 97 |
| 71) Bromoform | 10.805 | 173 | 23589 | 14.485 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.964 | 105 | 158701 | 17.290 | ug/l | | 99 |
| 74) N-amyl acetate | 10.848 | 43 | 70193 | 16.626 | ug/l | | 93 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 54656 | 16.838 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 11.244 | 75 | 50447m | 17.109 | ug/l | | |
| 77) Bromobenzene | 11.201 | 156 | 38835 | 16.442 | ug/l | | 97 |
| 78) n-propylbenzene | 11.305 | 91 | 180372 | 16.810 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 116357 | 17.802 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.457 | 105 | 132224 | 16.863 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.024 | 75 | 15069 | 15.476 | ug/l | # | 82 |
| 82) 4-Chlorotoluene | 11.457 | 91 | 125654 | 16.339 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.719 | 119 | 131350 | 16.709 | ug/l | | 95 |
| 84) 1,2,4-Trimethylbenzene | 11.756 | 105 | 128524 | 16.485 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.896 | 105 | 163480 | 16.904 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.012 | 119 | 140389 | 17.023 | ug/l | | 97 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 75831 | 16.859 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.043 | 146 | 77424 | 16.663 | ug/l | | 96 |
| 89) n-Butylbenzene | 12.335 | 91 | 129144 | 17.685 | ug/l | | 98 |
| 90) Hexachloroethane | 12.543 | 117 | 22564 | 16.639 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 78183 | 17.582 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 13713 | 17.496 | ug/l | | 93 |
| 93) 1,2,4-Trichlorobenzene | 13.591 | 180 | 44177 | 15.604 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 21166 | 16.343 | ug/l | | 99 |
| 95) Naphthalene | 13.780 | 128 | 152379 | 16.816 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 44851 | 15.460 | ug/l | | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

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

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