Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042621\
Data File : VN066758.D
Acq On : 26 Apr 2021 13:59
Operator : JC/MD
Sample : VN0426MBS01
Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0426MBS01

**Manual Integrations APPROVED**
MMDadoda
4/27/2021 5:52:42 PM

Quant Time: Apr 26 14:41:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042121W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 22 08:25:55 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.588 | 168 | 282555 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.516 | 114 | 441216 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.348 | 117 | 412833 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.288 | 152 | 198706 | 50.00 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 7.950 | 65 | 163786 | 47.45 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 61 - 141 | | Recovery = 94.90% | | | |
| 35) Dibromofluoromethane | 7.511 | 113 | 139678 | 50.55 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 69 - 133 | | Recovery = 101.10% | | | |
| 50) Toluene-d8 | 10.029 | 98 | 544678 | 50.55 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 65 - 126 | | Recovery = 101.10% | | | |
| 62) 4-Bromofluorobenzene | 12.346 | 95 | 190566 | 51.64 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 135 | | Recovery = 103.28% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.836 | 85 | 55016 | 17.27 | ug/l | 100 |
| 3) Chloromethane | 2.034 | 50 | 74234 | 16.32 | ug/l | 98 |
| 4) Vinyl Chloride | 2.163 | 62 | 71134 | 17.58 | ug/l | 98 |
| 5) Bromomethane | 2.511 | 94 | 46420 | 20.30 | ug/l | 99 |
| 6) Chloroethane | 2.656 | 64 | 43820 | 18.45 | ug/l | 99 |
| 7) Trichlorofluoromethane | 2.970 | 101 | 82765 | 19.03 | ug/l | 100 |
| 8) Diethyl Ether | 3.356 | 74 | 34597 | 18.70 | ug/l | 91 |
| 9) 1,1,2-Trichlorotrifluo... | 3.694 | 101 | 50500 | 18.50 | ug/l | 98 |
| 10) Methyl Iodide | 3.885 | 142 | 73682 | 17.18 | ug/l | 96 |
| 11) Tert butyl alcohol | 4.703 | 59 | 46314 | 105.89 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 3.673 | 96 | 49153 | 17.84 | ug/l | 97 |
| 13) Acrolein | 3.547 | 56 | 42609 | 88.16 | ug/l | 100 |
| 14) Allyl chloride | 4.244 | 41 | 89043 | 16.87 | ug/l | 94 |
| 15) Acrylonitrile | 4.890 | 53 | 139845 | 93.80 | ug/l | 99 |
| 16) Acetone | 3.753 | 43 | 109009 | 84.36 | ug/l | 99 |
| 17) Carbon Disulfide | 3.984 | 76 | 150578 | 17.02 | ug/l | 98 |
| 18) Methyl Acetate | 4.249 | 43 | 66432 | 18.54 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 4.952 | 73 | 167844 | 18.66 | ug/l | 95 |
| 20) Methylene Chloride | 4.469 | 84 | 64001 | 16.66 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 4.949 | 96 | 54182 | 17.91 | ug/l | 95 |
| 22) Diisopropyl ether | 5.861 | 45 | 186529 | 17.43 | ug/l | 93 |
| 23) Vinyl Acetate | 5.805 | 43 | 760102 | 88.08 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 5.759 | 63 | 105483 | 17.75 | ug/l | 99 |
| 25) 2-Butanone | 6.746 | 43 | 168218 | 90.75 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 6.733 | 77 | 84396 | 17.29 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 6.738 | 96 | 63391 | 18.07 | ug/l | 98 |
| 28) Bromochloromethane | 7.114 | 49 | 47676 | 17.05 | ug/l | 95 |
| 29) Tetrahydrofuran | 7.127 | 42 | 117634 | 92.11 | ug/l | 98 |
| 30) Chloroform | 7.291 | 83 | 101508 | 18.22 | ug/l | 98 |
| 31) Cyclohexane | 7.578 | 56 | 93875 | 16.69 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 7.489 | 97 | 83553 | 17.95 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 7.717 | 75 | 74461 | 18.15 | ug/l | 99 |
| 37) Ethyl Acetate | 6.840 | 43 | 76726 | 17.80 | ug/l | 97 |
| 38) Carbon Tetrachloride | 7.698 | 117 | 72140 | 18.48 | ug/l | 99 |
| 39) Methylcyclohexane | 9.015 | 83 | 89368 | 18.37 | ug/l | 97 |
| 40) Benzene | 7.966 | 78 | 242203 | 18.34 | ug/l | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.098 | 41 | 34335m | 17.93 | ug/l | | |
| 42) 1,2-Dichloroethane | 8.052 | 62 | 75929 | 18.01 | ug/l | | 99 |
| 43) Isopropyl Acetate | 8.093 | 43 | 123425 | 17.94 | ug/l | # | 92 |
| 44) Trichloroethene | 8.768 | 130 | 60900 | 19.39 | ug/l | | 97 |
| 45) 1,2-Dichloropropane | 9.050 | 63 | 65652 | 18.29 | ug/l | | 98 |
| 46) Dibromomethane | 9.141 | 93 | 40645 | 19.40 | ug/l | | 97 |
| 47) Bromodichloromethane | 9.337 | 83 | 82038 | 18.63 | ug/l | | 99 |
| 48) Methyl methacrylate | 9.136 | 41 | 52296 | 17.33 | ug/l | | 97 |
| 49) 1,4-Dioxane | 9.136 | 88 | 19574 | 536.61 | ug/l | | 95 |
| 51) 4-Methyl-2-Pentanone | 9.919 | 43 | 356234 | 92.55 | ug/l | | 100 |
| 52) Toluene | 10.093 | 92 | 148289 | 19.13 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 10.321 | 75 | 87845 | 18.89 | ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 9.777 | 75 | 99761 | 18.83 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 10.501 | 97 | 60019 | 19.55 | ug/l | | 98 |
| 56) Ethyl methacrylate | 10.370 | 69 | 76094 | 17.79 | ug/l | | 97 |
| 57) 1,3-Dichloropropane | 10.646 | 76 | 97105 | 18.80 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.632 | 63 | 74096 | 104.19 | ug/l | | 96 |
| 59) 2-Hexanone | 10.694 | 43 | 219199 | 87.47 | ug/l | | 99 |
| 60) Dibromochloromethane | 10.842 | 129 | 64453 | 19.75 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 10.946 | 107 | 59340 | 19.67 | ug/l | | 99 |
| 64) Tetrachloroethene | 10.571 | 164 | 54992 | 18.87 | ug/l | | 96 |
| 65) Chlorobenzene | 11.373 | 112 | 157715 | 18.79 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 11.448 | 131 | 58839 | 19.31 | ug/l | | 97 |
| 67) Ethyl Benzene | 11.453 | 91 | 269631 | 18.69 | ug/l | | 99 |
| 68) m/p-Xylenes | 11.563 | 106 | 208499 | 38.76 | ug/l | | 100 |
| 69) o-Xylene | 11.890 | 106 | 100470 | 18.97 | ug/l | | 100 |
| 70) Styrene | 11.909 | 104 | 158604 | 17.95 | ug/l | | 99 |
| 71) Bromoform | 12.073 | 173 | 45561 | 19.72 | ug/l | # | 98 |
| 73) Isopropylbenzene | 12.193 | 105 | 263889 | 18.69 | ug/l | | 100 |
| 74) N-amyl acetate | 12.035 | 43 | 17810 | 5.30 | ug/l | # | 95 |
| 75) 1,1,2,2-Tetrachloroethane | 12.448 | 83 | 91741 | 19.25 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.499 | 75 | 83206m | 19.57 | ug/l | | |
| 77) Bromobenzene | 12.470 | 156 | 70813 | 19.38 | ug/l | | 98 |
| 78) n-propylbenzene | 12.537 | 91 | 295612 | 18.78 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.617 | 91 | 186234 | 18.26 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.679 | 105 | 224910 | 18.74 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.250 | 75 | 20133 | 18.40 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 12.719 | 91 | 183715 | 18.98 | ug/l | | 99 |
| 83) tert-Butylbenzene | 12.936 | 119 | 189684 | 17.74 | ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 12.984 | 105 | 210996 | 18.38 | ug/l | | 97 |
| 85) sec-Butylbenzene | 13.116 | 105 | 244387 | 18.19 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.234 | 119 | 210561 | 18.84 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 13.226 | 146 | 116167 | 18.88 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.306 | 146 | 119102 | 18.02 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.561 | 91 | 164398 | 16.51 | ug/l | | 100 |
| 90) Hexachloroethane | 13.816 | 117 | 43781 | 17.51 | ug/l | | 91 |
| 91) 1,2-Dichlorobenzene | 13.599 | 146 | 117268 | 18.67 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.218 | 75 | 14484 | 17.04 | ug/l | | 96 |
| 93) 1,2,4-Trichlorobenzene | 14.854 | 180 | 67557 | 19.27 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 14.948 | 225 | 37739 | 19.46 | ug/l | | 99 |
| 95) Naphthalene | 15.074 | 128 | 168377 | 19.56 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.251 | 180 | 66321 | 19.68 | 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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