Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043021\
Data File : VN066915.D
Acq On : 30 Apr 2021 17:18
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 01:47:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042721W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 27 16:02:50 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**
MMDadoda
5/3/2021 11:39:05 AM

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.588 | 168 | 301260 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.519 | 114 | 438786 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.348 | 117 | 407915 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.287 | 152 | 213571 | 50.00 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 7.953 | 65 | 159005 | 41.08 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 61 - 141 | | Recovery = 82.16% | | | |
| 35) Dibromofluoromethane | 7.513 | 113 | 147670 | 54.52 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 69 - 133 | | Recovery = 109.04% | | | |
| 50) Toluene-d8 | 10.029 | 98 | 554167 | 52.12 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 65 - 126 | | Recovery = 104.24% | | | |
| 62) 4-Bromofluorobenzene | 12.346 | 95 | 200673 | 55.79 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 135 | | Recovery = 111.58% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.835 | 85 | 125598 | 38.49 | ug/l | 99 |
| 3) Chloromethane | 2.034 | 50 | 171279 | 39.97 | ug/l | 100 |
| 4) Vinyl Chloride | 2.163 | 62 | 177648 | 42.45 | ug/l | 100 |
| 5) Bromomethane | 2.509 | 94 | 115127 | 42.15 | ug/l | 93 |
| 6) Chloroethane | 2.653 | 64 | 109708 | 42.10 | ug/l | 98 |
| 7) Trichlorofluoromethane | 2.970 | 101 | 218712 | 43.45 | ug/l | 100 |
| 8) Diethyl Ether | 3.356 | 74 | 83729 | 41.00 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 3.694 | 101 | 125533 | 42.15 | ug/l | 95 |
| 10) Methyl Iodide | 3.884 | 142 | 206403 | 45.40 | ug/l | 96 |
| 11) Tert butyl alcohol | 4.710 | 59 | 107403 | 179.94 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 3.673 | 96 | 125782 | 41.71 | ug/l | 95 |
| 13) Acrolein | 3.547 | 56 | 101903 | 204.40 | ug/l | 97 |
| 14) Allyl chloride | 4.247 | 41 | 204202 | 36.05 | ug/l | 91 |
| 15) Acrylonitrile | 4.893 | 53 | 327559 | 206.96 | ug/l | 98 |
| 16) Acetone | 3.753 | 43 | 232689 | 159.34 | ug/l | 94 |
| 17) Carbon Disulfide | 3.984 | 76 | 360247 | 38.94 | ug/l | 98 |
| 18) Methyl Acetate | 4.252 | 43 | 145578 | 37.25 | ug/l | 96 |
| 19) Methyl tert-butyl Ether | 4.955 | 73 | 412683 | 39.97 | ug/l | 99 |
| 20) Methylene Chloride | 4.469 | 84 | 155537 | 42.03 | ug/l | 94 |
| 21) trans-1,2-Dichloroethene | 4.952 | 96 | 138889 | 42.83 | ug/l | 97 |
| 22) Diisopropyl ether | 5.864 | 45 | 414160 | 36.66 | ug/l | 98 |
| 23) Vinyl Acetate | 5.805 | 43 | 1700853 | 180.91 | ug/l | 97 |
| 24) 1,1-Dichloroethane | 5.756 | 63 | 253262 | 40.46 | ug/l | 99 |
| 25) 2-Butanone | 6.746 | 43 | 376031 | 183.16 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 6.735 | 77 | 203903 | 38.37 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 6.741 | 96 | 161974 | 43.18 | ug/l | 97 |
| 28) Bromochloromethane | 7.111 | 49 | 106505 | 37.09 | ug/l | 94 |
| 29) Tetrahydrofuran | 7.127 | 42 | 255620 | 182.23 | ug/l | 95 |
| 30) Chloroform | 7.293 | 83 | 252035 | 41.48 | ug/l | 100 |
| 31) Cyclohexane | 7.578 | 56 | 212500 | 35.50 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 7.492 | 97 | 213158 | 41.05 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 7.714 | 75 | 182926 | 44.87 | ug/l | 98 |
| 37) Ethyl Acetate | 6.843 | 43 | 162383 | 37.50 | ug/l | 95 |
| 38) Carbon Tetrachloride | 7.698 | 117 | 186446 | 47.69 | ug/l | 99 |
| 39) Methylcyclohexane | 9.015 | 83 | 221263 | 45.87 | ug/l | 99 |
| 40) Benzene | 7.969 | 78 | 600057 | 47.41 | ug/l | 98 |

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Quant Title : SW846 8260
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.087 | 41 | 75108m | 38.14 | ug/l | | |
| 42) 1,2-Dichloroethane | 8.052 | 62 | 178034 | 41.64 | ug/l | | 96 |
| 43) Isopropyl Acetate | 8.092 | 43 | 268071 | 38.96 | ug/l | | 94 |
| 44) Trichloroethene | 8.768 | 130 | 155537 | 50.52 | ug/l | | 92 |
| 45) 1,2-Dichloropropane | 9.053 | 63 | 156422 | 46.30 | ug/l | | 98 |
| 46) Dibromomethane | 9.144 | 93 | 100717 | 48.81 | ug/l | | 95 |
| 47) Bromodichloromethane | 9.340 | 83 | 203416 | 47.05 | ug/l | | 100 |
| 48) Methyl methacrylate | 9.136 | 41 | 122703 | 40.89 | ug/l | | 91 |
| 49) 1,4-Dioxane | 9.136 | 88 | 48117 | 1071.47 | ug/l | | 96 |
| 51) 4-Methyl-2-Pentanone | 9.922 | 43 | 799058 | 213.68 | ug/l | | 96 |
| 52) Toluene | 10.093 | 92 | 374791 | 49.23 | ug/l | | 97 |
| 53) t-1,3-Dichloropropene | 10.324 | 75 | 219030 | 47.33 | ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 9.777 | 75 | 247044 | 47.66 | ug/l | | 93 |
| 55) 1,1,2-Trichloroethane | 10.501 | 97 | 150180 | 51.36 | ug/l | | 99 |
| 56) Ethyl methacrylate | 10.372 | 69 | 198730 | 41.66 | ug/l | # | 91 |
| 57) 1,3-Dichloropropane | 10.646 | 76 | 242913 | 48.55 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.632 | 63 | 243724 | 247.81 | ug/l | | 99 |
| 59) 2-Hexanone | 10.694 | 43 | 539134 | 188.42 | ug/l | | 95 |
| 60) Dibromochloromethane | 10.841 | 129 | 170940 | 53.67 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 10.946 | 107 | 153977 | 52.49 | ug/l | | 100 |
| 64) Tetrachloroethene | 10.571 | 164 | 137065 | 50.82 | ug/l | | 97 |
| 65) Chlorobenzene | 11.375 | 112 | 410752 | 50.07 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 11.450 | 131 | 158296 | 51.72 | ug/l | | 100 |
| 67) Ethyl Benzene | 11.453 | 91 | 700861 | 48.71 | ug/l | | 100 |
| 68) m/p-Xylenes | 11.563 | 106 | 553792 | 104.91 | ug/l | | 98 |
| 69) o-Xylene | 11.890 | 106 | 271136 | 51.44 | ug/l | | 97 |
| 70) Styrene | 11.909 | 104 | 441605 | 46.46 | ug/l | | 99 |
| 71) Bromoform | 12.073 | 173 | 129195 | 58.31 | ug/l | # | 98 |
| 73) Isopropylbenzene | 12.193 | 105 | 707702 | 45.20 | ug/l | | 98 |
| 74) N-amyl acetate | 12.022 | 43 | 136992 | 37.05 | ug/l | | 97 |
| 75) 1,1,2,2-Tetrachloroethane | 12.448 | 83 | 234090 | 45.44 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 12.496 | 75 | 195548m | 43.44 | ug/l | | |
| 77) Bromobenzene | 12.469 | 156 | 192806 | 49.92 | ug/l | | 96 |
| 78) n-propylbenzene | 12.534 | 91 | 801705 | 46.43 | ug/l | | 97 |
| 79) 2-Chlorotoluene | 12.617 | 91 | 494846 | 45.06 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 12.679 | 105 | 620524 | 46.95 | ug/l | | 97 |
| 81) trans-1,4-Dichloro-2-b... | 12.244 | 75 | 60044 | 39.10 | ug/l | | 91 |
| 82) 4-Chlorotoluene | 12.716 | 91 | 498781 | 47.06 | ug/l | | 99 |
| 83) tert-Butylbenzene | 12.936 | 119 | 527567 | 46.60 | ug/l | | 96 |
| 84) 1,2,4-Trimethylbenzene | 12.984 | 105 | 602108 | 48.37 | ug/l | | 96 |
| 85) sec-Butylbenzene | 13.116 | 105 | 699775 | 47.65 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.234 | 119 | 629094 | 49.91 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 13.226 | 146 | 331811 | 50.53 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.306 | 146 | 331208 | 47.45 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.561 | 91 | 475381 | 44.25 | ug/l | | 99 |
| 90) Hexachloroethane | 13.816 | 117 | 125403 | 47.54 | ug/l | | 86 |
| 91) 1,2-Dichlorobenzene | 13.596 | 146 | 333549 | 50.11 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.218 | 75 | 37755 | 40.88 | ug/l | | 93 |
| 93) 1,2,4-Trichlorobenzene | 14.854 | 180 | 188380 | 51.10 | ug/l | | 97 |
| 94) Hexachlorobutadiene | 14.950 | 225 | 102594 | 50.18 | ug/l | | 100 |
| 95) Naphthalene | 15.071 | 128 | 440757 | 46.47 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.248 | 180 | 178506 | 50.08 | ug/l | | 99 |

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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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