Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
Data File : VL038654.D
Acq On : 21 Mar 2022 16:28
Operator : SY/AP
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 21 16:59:08 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar
QLast Update : Mon Mar 21 15:04:50 2022
Response via : Initial Calibration

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC015

**Manual Integrations APPROVED**
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 5.665 | 49 | 955974 | 10.000 | ppbv | 0.00 |
| 33) 1,4-Difluorobenzene | 7.173 | 114 | 2538708 | 10.000 | ppbv | 0.00 |
| 55) Chlorobenzene-d5 | 12.082 | 117 | 2318250m | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.410 | 95 | 1880728 | 10.671 | ppbv | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 106.700% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.051 | 85 | 1534961 | 10.631 | ppbv | 99 |
| 3) Chlorodifluoromethane | 2.993 | 51 | 1385915 | 8.222 | ppbv | 100 |
| 4) Chloromethane | 3.144 | 50 | 768715 | 12.302 | ppbv | 99 |
| 5) Vinyl Chloride | 3.260 | 62 | 756153 | 12.056 | ppbv | 98 |
| 6) Bromomethane | 3.475 | 94 | 420140 | 12.480 | ppbv | 97 |
| 7) Chloroethane | 3.559 | 64 | 258415 | 12.725 | ppbv | 99 |
| 8) Dichlorotetrafluoroethane | 3.192 | 85 | 1692363 | 12.091 | ppbv | 99 |
| 9) Propene | 3.012 | 41 | 676516 | 11.374 | ppbv | 99 |
| 10) Heptane | 8.121 | 43 | 1777825 | 12.494 | ppbv | 100 |
| 11) Trichlorofluoromethane | 3.951 | 101 | 1545903 | 12.211 | ppbv | 98 |
| 12) 1,1,2-Trichlorotrifluo... | 4.485 | 101 | 1146834 | 11.651 | ppbv | 97 |
| 13) Ethanol | 3.607 | 45 | 49232 | 7.206 | ppbv | 92 |
| 14) Bromoethene | 3.742 | 108 | 546104 | 13.021 | ppbv | 99 |
| 15) Acetone | 3.848 | 43 | 1109169 | 16.449 | ppbv | 100 |
| 16) 1,3-Butadiene | 3.330 | 39 | 677921 | 12.511 | ppbv | 100 |
| 17) tert-Butyl alcohol | 4.285 | 59 | 896194 | 12.233 | ppbv | 100 |
| 18) 1,1-Dichloroethene | 4.292 | 96 | 527163 | 11.967 | ppbv | 97 |
| 19) Isopropyl Alcohol | 3.964 | 45 | 561635m | 12.474 | ppbv | |
| 20) Methylene Chloride | 4.346 | 84 | 448322 | 11.048 | ppbv | 99 |
| 21) Allyl Chloride | 4.411 | 41 | 845351 | 13.007 | ppbv | 99 |
| 22) trans-1,2-Dichloroethene | 4.883 | 96 | 577104 | 12.497 | ppbv | 99 |
| 23) Vinyl Acetate | 5.073 | 43 | 1186118 | 12.271 | ppbv | 99 |
| 24) 1,1-Dichloroethane | 5.009 | 63 | 1057498 | 12.029 | ppbv | 100 |
| 25) Ethyl Acetate | 5.674 | 43 | 2970184 | 13.080 | ppbv | 99 |
| 26) Hexane | 5.687 | 57 | 1316881 | 12.348 | ppbv | 99 |
| 27) Carbon Disulfide | 4.552 | 76 | 1396526 | 13.148 | ppbv | 99 |
| 28) Methyl tert-Butyl Ether | 5.031 | 73 | 949753 | 10.942 | ppbv | 100 |
| 29) Chloroform | 5.751 | 83 | 2076545 | 12.512 | ppbv | 98 |
| 30) Cyclohexane | 7.128 | 84 | 1149759 | 12.466 | ppbv | 99 |
| 31) cis-1,2-Dichloroethene | 5.549 | 61 | 1294416 | 12.688 | ppbv | 99 |
| 32) 1,1,1-Trichloroethane | 6.510 | 97 | 1995063 | 12.396 | ppbv | 100 |
| 34) 2-Butanone | 5.240 | 43 | 1800214 | 27.357 | ppbv | 98 |
| 35) Carbon Tetrachloride | 7.015 | 117 | 2100261 | 12.129 | ppbv | 100 |
| 36) Benzene | 6.890 | 78 | 2824237 | 12.328 | ppbv | 99 |
| 37) 1,2-Dichloroethane | 6.304 | 62 | 1429193 | 13.055 | ppbv | 100 |
| 38) Trichloroethene | 7.832 | 130 | 1189811m | 13.002 | ppbv | |
| 39) 1,2-Dichloropropane | 7.610 | 63 | 1094041 | 12.417 | ppbv | 97 |
| 40) 1,4-Dioxane | 7.822 | 88 | 341337 | 15.480 | ppbv # | 1 |
| 41) Tetrahydrofuran | 6.044 | 42 | 1142621 | 21.225 | ppbv | 99 |
| 42) Bromodichloromethane | 7.790 | 83 | 2193402 | 12.635 | ppbv | 98 |
| 43) Methyl Methacrylate | 8.012 | 69 | 1159467 | 14.744 | ppbv | 99 |
| 44) 2,2,4-Trimethylpentane | 7.867 | 57 | 4560164 | 11.773 | ppbv | 99 |
| 45) t-1,3-Dichloropropene | 9.275 | 75 | 1336785 | 23.588 | ppbv | 100 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) cis-1,3-Dichloropropene | 8.700 | 75 | 1655133 | 21.359 | ppbv | | 99 |
| 47) 1,1,2-Trichloroethane | 9.471 | 97 | 1175433 | 13.090 | ppbv | | 98 |
| 48) Dibromochloromethane | 10.301 | 129 | 2020126 | 14.169 | ppbv | | 100 |
| 49) Bromoform | 13.037 | 173 | 1714380 | 15.699 | ppbv | | 100 |
| 50) 4-Methyl-2-Pentanone | 8.735 | 43 | 2864999 | 21.239 | ppbv | | 100 |
| 51) 2-Hexanone | 10.127 | 43 | 2269787 | 39.818 | ppbv | # | 100 |
| 52) Tetrachloroethene | 11.221 | 164 | 1025772 | 12.216 | ppbv | | 97 |
| 53) Toluene | 9.803 | 91 | 3249714 | 13.289 | ppbv | | 100 |
| 54) 1,2-Dibromoethane | 10.606 | 107 | 1735224 | 13.524 | ppbv | | 97 |
| 56) 1,1,1,2-Tetrachloroethane | 12.124 | 131 | 1363870 | 14.444 | ppbv | # | 69 |
| 57) Chlorobenzene | 12.147 | 112 | 2369148 | 13.386 | ppbv | | 100 |
| 58) Ethyl Benzene | 12.709 | 91 | 4196158 | 13.980 | ppbv | | 99 |
| 59) m/p-Xylene | 12.995 | 91 | 6956480m | 27.072 | ppbv | | |
| 60) o-Xylene | 13.690 | 91 | 3355432 | 13.829 | ppbv | | 99 |
| 61) Styrene | 13.523 | 104 | 2151610 | 17.995 | ppbv | | 100 |
| 62) Isopropylbenzene | 14.664 | 105 | 4949854 | 14.784 | ppbv | | 99 |
| 63) 1,1,2,2-Tetrachloroethane | 13.674 | 83 | 2280677 | 11.124 | ppbv | | 99 |
| 64) n-propylbenzene | 15.558 | 120 | 1355564 | 15.887 | ppbv | | 98 |
| 65) tert-Butylbenzene | 16.741 | 119 | 4338083 | 14.489 | ppbv | | 99 |
| 66) Benzyl Chloride | 16.982 | 91 | 1165836 | 65.715 | ppbv | | 100 |
| 67) sec-Butylbenzene | 17.291 | 105 | 6227259 | 14.634 | ppbv | | 99 |
| 69) p-Isopropyltoluene | 17.648 | 119 | 5232353 | 14.842 | ppbv | | 99 |
| 70) n-Butylbenzene | 18.545 | 91 | 5476609 | 14.587 | ppbv | | 99 |
| 71) 2-Chlorotoluene | 15.449 | 91 | 3760355 | 15.127 | ppbv | | 99 |
| 72) 4-Ethyltoluene | 15.835 | 105 | 4235114 | 15.195 | ppbv | | 99 |
| 73) 1,3,5-Trimethylbenzene | 15.992 | 105 | 3710859 | 14.342 | ppbv | | 96 |
| 74) 1,2,4-Trimethylbenzene | 16.761 | 105 | 3804607 | 13.765 | ppbv | | 98 |
| 75) 1,3-Dichlorobenzene | 16.992 | 146 | 2466494 | 14.144 | ppbv | | 100 |
| 76) 1,4-Dichlorobenzene | 17.134 | 146 | 2497572 | 14.459 | ppbv | | 99 |
| 77) 1,2-Dichlorobenzene | 17.812 | 146 | 2446165 | 13.865 | ppbv | | 100 |
| 78) Hexachloro-1,3-Butadiene | 23.368 | 225 | 1886146 | 10.960 | ppbv | | 100 |
| 79) Naphthalene | 22.188 | 128 | 3842797 | 15.455 | ppbv | | 99 |
| 80) Naphthalene,2-methyl- | 24.963 | 142 | 1026520 | 23.389 | ppbv | | 96 |
| 81) 1,2,4-Trichlorobenzene | 21.921 | 180 | 2182528 | 13.737 | ppbv | | 99 |

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

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