Quantitation Report (QT Reviewed)

Data Path : Y:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081621\
Data File : VL037456.D
Acq On : 16 Aug 2021 11:07
Operator : SY/AP
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 16 12:53:49 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 1
QLast Update : Mon Aug 16 11:33:04 2021
Response via : Initial Calibration

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC002

**Manual Integrations APPROVED**
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8/19/2021 5:58:57 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.65 | 49 | 1549854 | 10.00 | ppbv | 0.00 |
| 33) 1,4-Difluorobenzene | 7.16 | 114 | 4602481 | 10.00 | ppbv | 0.00 |
| 55) Chlorobenzene-d5 | 12.06 | 117 | 4247434 | 10.00 | ppbv | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.39 | 95 | 2832993 | 9.30 | ppbv | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 93.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.04 | 85 | 456157 | 1.926 | ppbv | 99 |
| 3) Chlorodifluoromethane | 2.98 | 51 | 625164 | 2.054 | ppbv | 99 |
| 4) Chloromethane | 3.13 | 50 | 212082 | 1.939 | ppbv | 99 |
| 5) Vinyl Chloride | 3.25 | 62 | 218410 | 1.812 | ppbv | 99 |
| 6) Bromomethane | 3.47 | 94 | 115350 | 1.845 | ppbv | 95 |
| 7) Chloroethane | 3.55 | 64 | 81504m | 2.048 | ppbv | |
| 8) Dichlorotetrafluoroethane | 3.18 | 85 | 541030 | 2.047 | ppbv | 98 |
| 9) Propene | 3.01 | 41 | 224849m | 2.200 | ppbv | |
| 10) Heptane | 8.10 | 43 | 511270 | 2.057 | ppbv | 98 |
| 11) Trichlorofluoromethane | 3.94 | 101 | 478709 | 1.868 | ppbv | 96 |
| 12) 1,1,2-Trichlorotrifluoroet | 4.47 | 101 | 350262 | 1.951 | ppbv | 99 |
| 13) Ethanol | 3.61 | 45 | 21296m | 1.953 | ppbv | |
| 14) Bromoethene | 3.73 | 108 | 159783m | 2.001 | ppbv | |
| 15) Acetone | 3.84 | 43 | 344036m | 2.093 | ppbv | |
| 16) 1,3-Butadiene | 3.31 | 39 | 216571m | 1.963 | ppbv | |
| 17) tert-Butyl alcohol | 4.29 | 59 | 285677 | 1.821 | ppbv | 98 |
| 18) 1,1-Dichloroethene | 4.28 | 96 | 158320 | 1.900 | ppbv | 87 |
| 19) Isopropyl Alcohol | 3.97 | 45 | 180180m | 1.884 | ppbv | |
| 20) Methylene Chloride | 4.33 | 84 | 169103m | 1.946 | ppbv | |
| 21) Allyl Chloride | 4.40 | 41 | 264494m | 2.054 | ppbv | |
| 22) trans-1,2-Dichloroethene | 4.87 | 96 | 154193m | 1.973 | ppbv | |
| 23) Vinyl Acetate | 5.06 | 43 | 533188 | 2.114 | ppbv | 98 |
| 24) 1,1-Dichloroethane | 4.99 | 63 | 361035m | 1.843 | ppbv | |
| 25) Ethyl Acetate | 5.66 | 43 | 886760m | 2.264 | ppbv | |
| 26) Hexane | 5.67 | 57 | 438599 | 2.170 | ppbv | 94 |
| 27) Carbon Disulfide | 4.54 | 76 | 355336m | 2.085 | ppbv | |
| 28) Methyl tert-Butyl Ether | 5.02 | 73 | 435135m | 2.011 | ppbv | |
| 29) Chloroform | 5.73 | 83 | 580244 | 2.039 | ppbv | 92 |
| 30) Cyclohexane | 7.11 | 84 | 336497 | 2.021 | ppbv | 86 |
| 31) cis-1,2-Dichloroethene | 5.53 | 61 | 374771 | 2.145 | ppbv | 94 |
| 32) 1,1,1-Trichloroethane | 6.49 | 97 | 562519 | 1.958 | ppbv | 98 |
| 34) 2-Butanone | 5.24 | 43 | 417539m | 2.197 | ppbv | |
| 35) Carbon Tetrachloride | 7.00 | 117 | 574131 | 2.023 | ppbv | 97 |
| 36) Benzene | 6.87 | 78 | 842714 | 2.171 | ppbv | 98 |
| 37) 1,2-Dichloroethane | 6.29 | 62 | 399192 | 2.016 | ppbv | 98 |
| 38) Trichloroethene | 7.82 | 130 | 322713 | 1.884 | ppbv | 99 |
| 39) 1,2-Dichloropropane | 7.59 | 63 | 312367 | 2.113 | ppbv | 97 |
| 40) 1,4-Dioxane | 7.83 | 88 | 76526m | 2.127 | ppbv | |
| 41) Tetrahydrofuran | 6.04 | 42 | 193241m | 2.215 | ppbv | |
| 42) Bromodichloromethane | 7.77 | 83 | 572833 | 2.066 | ppbv | 99 |
| 43) Methyl Methacrylate | 8.00 | 69 | 284290m | 2.161 | ppbv | |

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,2,4-Trimethylpentane | 7.85 | 57 | 1422351 | 2.192 | ppbv | | 99 |
| 45) t-1,3-Dichloropropene | 9.26 | 75 | 206328m | 2.111 | ppbv | | |
| 46) cis-1,3-Dichloropropene | 8.68 | 75 | 309400m | 2.267 | ppbv | | |
| 47) 1,1,2-Trichloroethane | 9.45 | 97 | 343090m | 2.147 | ppbv | | |
| 48) Dibromochloromethane | 10.28 | 129 | 490683 | 2.128 | ppbv | | 99 |
| 49) Bromoform | 13.02 | 173 | 402080m | 2.301 | ppbv | | |
| 50) 4-Methyl-2-Pentanone | 8.73 | 43 | 513691 | 2.149 | ppbv | | 97 |
| 51) 2-Hexanone | 10.13 | 43 | 240089m | 2.135 | ppbv | | |
| 52) Tetrachloroethene | 11.20 | 164 | 314867 | 1.926 | ppbv | | 98 |
| 53) Toluene | 9.78 | 91 | 966843 | 2.182 | ppbv | | 98 |
| 54) 1,2-Dibromoethane | 10.59 | 107 | 463790 | 2.132 | ppbv | | 98 |
| 56) 1,1,1,2-Tetrachloroethane | 12.10 | 131 | 363179m | 2.148 | ppbv | | |
| 57) Chlorobenzene | 12.12 | 112 | 710334 | 2.064 | ppbv | # | 92 |
| 58) Ethyl Benzene | 12.69 | 91 | 1230583 | 2.136 | ppbv | | 95 |
| 59) m/p-Xylene | 12.98 | 91 | 2186243m | 4.319 | ppbv | | |
| 60) o-Xylene | 13.67 | 91 | 1014457 | 2.158 | ppbv | | 98 |
| 61) Styrene | 13.50 | 104 | 528785m | 2.226 | ppbv | | |
| 62) Isopropylbenzene | 14.64 | 105 | 1421937 | 2.115 | ppbv | | 98 |
| 63) 1,1,2,2-Tetrachloroethane | 13.65 | 83 | 746103 | 2.104 | ppbv | | 98 |
| 64) n-propylbenzene | 15.54 | 120 | 360250 | 2.129 | ppbv | | 86 |
| 65) tert-Butylbenzene | 16.72 | 119 | 1329839 | 2.193 | ppbv | | 99 |
| 66) Benzyl Chloride | 16.96 | 91 | 50999m | 1.838 | ppbv | | |
| 67) sec-Butylbenzene | 17.27 | 105 | 1859703 | 2.254 | ppbv | | 99 |
| 69) p-Isopropyltoluene | 17.63 | 119 | 1519277 | 2.243 | ppbv | | 99 |
| 70) n-Butylbenzene | 18.53 | 91 | 1462034 | 2.323 | ppbv | | 99 |
| 71) 2-Chlorotoluene | 15.43 | 91 | 1053623 | 2.215 | ppbv | | 98 |
| 72) 4-Ethyltoluene | 15.82 | 105 | 1172021 | 2.147 | ppbv | | 98 |
| 73) 1,3,5-Trimethylbenzene | 15.98 | 105 | 1114053 | 2.159 | ppbv | | 95 |
| 74) 1,2,4-Trimethylbenzene | 16.73 | 105 | 1225415 | 2.320 | ppbv | | 98 |
| 75) 1,3-Dichlorobenzene | 16.97 | 146 | 697406 | 2.157 | ppbv | | 99 |
| 76) 1,4-Dichlorobenzene | 17.11 | 146 | 711463m | 2.220 | ppbv | | |
| 77) 1,2-Dichlorobenzene | 17.79 | 146 | 713975m | 2.295 | ppbv | | |
| 78) Hexachloro-1,3-Butadiene | 23.35 | 225 | 606938 | 2.409 | ppbv | | 98 |
| 79) Naphthalene | 22.17 | 128 | 814482m | 2.837 | ppbv | | |
| 80) Naphthalene,2-methyl- | 24.95 | 142 | 220629 | 3.638 | ppbv | | 96 |
| 81) 1,2,4-Trichlorobenzene | 21.90 | 180 | 507608 | 2.602 | ppbv | | 98 |

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

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