Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102519\
Data File : VL034359.D
Acq On : 25 Oct 2019 10:14
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010

**Manual Integrations APPROVED**
MMDadoda
10/31/2019 2:12:44 AM

Quant Time: Oct 25 23:49:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 1
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.68 | 49 | 900332 | 10.00 | ppbv | | 0.00 |
| 33) 1,4-Difluorobenzene | 7.21 | 114 | 1928239 | 10.00 | ppbv | | 0.00 |
| 55) Chlorobenzene-d5 | 12.15 | 117 | 1958807m | 10.00 | ppbv | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.48 | 95 | 1634832 | 9.85 | ppbv | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 98.50% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.02 | 85 | 1605192 | 10.342 | ppbv | | 99 |
| 3) Chlorodifluoromethane | 2.96 | 51 | 953390 | 9.035 | ppbv | | 100 |
| 4) Chloromethane | 3.12 | 50 | 585349 | 9.377 | ppbv | | 98 |
| 5) Vinyl Chloride | 3.23 | 62 | 545149 | 9.159 | ppbv | | 99 |
| 6) Bromomethane | 3.45 | 94 | 286672 | 9.836 | ppbv | | 97 |
| 7) Chloroethane | 3.54 | 64 | 204175 | 9.747 | ppbv | | 99 |
| 8) Dichlorotetrafluoroethane | 3.17 | 85 | 1267653 | 9.425 | ppbv | | 98 |
| 9) Propene | 2.98 | 41 | 468143 | 10.007 | ppbv | | 99 |
| 10) Heptane | 8.16 | 43 | 1198789 | 9.985 | ppbv | | 99 |
| 11) Trichlorofluoromethane | 3.94 | 101 | 1385858 | 9.404 | ppbv | | 96 |
| 12) 1,1,2-Trichlorotrifluoroet | 4.48 | 101 | 928979 | 9.622 | ppbv | | 98 |
| 13) Ethanol | 3.59 | 45 | 78765 | 7.520 | ppbv | | 98 |
| 14) Bromoethene | 3.73 | 108 | 401020 | 10.550 | ppbv | | 98 |
| 15) Acetone | 3.84 | 43 | 1026872 | 7.974 | ppbv | | 100 |
| 16) 1,3-Butadiene | 3.31 | 39 | 515981 | 9.861 | ppbv | | 100 |
| 17) tert-Butyl alcohol | 4.29 | 59 | 746924 | 9.088 | ppbv | | 100 |
| 18) 1,1-Dichloroethene | 4.28 | 96 | 429383 | 10.158 | ppbv | | 95 |
| 19) Isopropyl Alcohol | 3.96 | 45 | 586589 | 8.165 | ppbv | | 100 |
| 20) Methylene Chloride | 4.34 | 84 | 380337 | 8.170 | ppbv | | 94 |
| 21) Allyl Chloride | 4.41 | 41 | 721033 | 10.128 | ppbv | | 99 |
| 22) trans-1,2-Dichloroethene | 4.89 | 96 | 438378 | 10.397 | ppbv | | 99 |
| 23) Vinyl Acetate | 5.08 | 43 | 1559814 | 9.699 | ppbv | # | 98 |
| 24) 1,1-Dichloroethane | 5.02 | 63 | 1129613 | 9.464 | ppbv | | 99 |
| 25) Ethyl Acetate | 5.69 | 43 | 2036507 | 9.367 | ppbv | | 99 |
| 26) Hexane | 5.70 | 57 | 894776 | 9.656 | ppbv | | 97 |
| 27) Carbon Disulfide | 4.55 | 76 | 1071913 | 11.142 | ppbv | | 98 |
| 28) Methyl tert-Butyl Ether | 5.04 | 73 | 1532138 | 10.925 | ppbv | | 98 |
| 29) Chloroform | 5.77 | 83 | 1417806 | 9.672 | ppbv | | 96 |
| 30) Cyclohexane | 7.16 | 84 | 730600 | 10.720 | ppbv | | 94 |
| 31) cis-1,2-Dichloroethene | 5.56 | 61 | 964099 | 10.251 | ppbv | | 99 |
| 32) 1,1,1-Trichloroethane | 6.54 | 97 | 1386095 | 9.724 | ppbv | | 98 |
| 34) 2-Butanone | 5.25 | 43 | 1374300 | 8.720 | ppbv | | 98 |
| 35) Carbon Tetrachloride | 7.05 | 117 | 1374695 | 8.185 | ppbv | | 98 |
| 36) Benzene | 6.92 | 78 | 1750074 | 9.459 | ppbv | | 96 |
| 37) 1,2-Dichloroethane | 6.33 | 62 | 1162885 | 8.434 | ppbv | # | 97 |
| 38) Trichloroethene | 7.87 | 130 | 666015 | 8.971 | ppbv | | 97 |
| 39) 1,2-Dichloropropane | 7.65 | 63 | 727702 | 9.135 | ppbv | | 95 |
| 40) 1,4-Dioxane | 7.87 | 88 | 234431 | 8.374 | ppbv | | 71 |
| 41) Tetrahydrofuran | 6.06 | 42 | 809324 | 9.253 | ppbv | | 96 |
| 42) Bromodichloromethane | 7.83 | 83 | 1551688 | 9.188 | ppbv | | 99 |
| 43) Methyl Methacrylate | 8.05 | 69 | 735361 | 9.610 | ppbv | | 94 |

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|---|---|---|---|---|---|---|---|
| 44) 2,2,4-Trimethylpentane | 7.90 | 57 | 3016764 | 8.810 | ppbv | | 99 |
| 45) t-1,3-Dichloropropene | 9.33 | 75 | 978428 | 10.495 | ppbv | | 98 |
| 46) cis-1,3-Dichloropropene | 8.75 | 75 | 1109161 | 10.356 | ppbv | | 99 |
| 47) 1,1,2-Trichloroethane | 9.53 | 97 | 721623 | 8.943 | ppbv | | 97 |
| 48) Dibromochloromethane | 10.36 | 129 | 1262363 | 9.537 | ppbv | | 98 |
| 49) Bromoform | 13.11 | 173 | 1109134 | 9.456 | ppbv | | 100 |
| 50) 4-Methyl-2-Pentanone | 8.78 | 43 | 2044136 | 9.060 | ppbv | | 99 |
| 51) 2-Hexanone | 10.18 | 43 | 1720190 | 9.300 | ppbv | # | 98 |
| 52) Tetrachloroethene | 11.28 | 164 | 659688 | 9.097 | ppbv | | 96 |
| 53) Toluene | 9.85 | 91 | 2024263 | 9.915 | ppbv | | 100 |
| 54) 1,2-Dibromoethane | 10.67 | 107 | 1099379 | 9.192 | ppbv | | 97 |
| 56) 1,1,1,2-Tetrachloroethane | 12.19 | 131 | 817252 | 9.053 | ppbv | # | 59 |
| 57) Chlorobenzene | 12.20 | 112 | 1498026 | 9.167 | ppbv | | 98 |
| 58) Ethyl Benzene | 12.77 | 91 | 2771471 | 10.121 | ppbv | | 97 |
| 59) m/p-Xylene | 13.05 | 91 | 4527866m | 19.085 | ppbv | | |
| 60) o-Xylene | 13.75 | 91 | 2246656 | 9.510 | ppbv | | 98 |
| 61) Styrene | 13.59 | 104 | 1705317 | 10.253 | ppbv | | 99 |
| 62) Isopropylbenzene | 14.73 | 105 | 2954311 | 9.473 | ppbv | | 100 |
| 63) 1,1,2,2-Tetrachloroethane | 13.74 | 83 | 1520968 | 8.012 | ppbv | | 100 |
| 64) n-propylbenzene | 15.63 | 120 | 766066 | 9.572 | ppbv | | 98 |
| 65) tert-Butylbenzene | 16.81 | 119 | 2571021 | 9.302 | ppbv | | 99 |
| 66) Benzyl Chloride | 17.06 | 91 | 1017674 | 9.322 | ppbv | | 100 |
| 67) sec-Butylbenzene | 17.37 | 105 | 3571713 | 9.183 | ppbv | | 98 |
| 69) p-Isopropyltoluene | 17.73 | 119 | 2956420 | 9.323 | ppbv | | 99 |
| 70) n-Butylbenzene | 18.62 | 91 | 3166427 | 9.177 | ppbv | | 98 |
| 71) 2-Chlorotoluene | 15.52 | 91 | 2322443 | 9.604 | ppbv | | 99 |
| 72) 4-Ethyltoluene | 15.91 | 105 | 2594508 | 9.770 | ppbv | | 99 |
| 73) 1,3,5-Trimethylbenzene | 16.07 | 105 | 2464625 | 9.367 | ppbv | | 99 |
| 74) 1,2,4-Trimethylbenzene | 16.83 | 105 | 2499947 | 9.111 | ppbv | | 97 |
| 75) 1,3-Dichlorobenzene | 17.07 | 146 | 1425565 | 8.653 | ppbv | | 99 |
| 76) 1,4-Dichlorobenzene | 17.21 | 146 | 1426682 | 8.866 | ppbv | | 99 |
| 77) 1,2-Dichlorobenzene | 17.89 | 146 | 1390148m | 8.607 | ppbv | | |
| 78) Hexachloro-1,3-Butadiene | 23.45 | 225 | 1358068 | 10.165 | ppbv | | 99 |
| 79) Naphthalene | 22.29 | 128 | 2487772 | 12.412 | ppbv | | 99 |
| 80) Naphthalene,2-methyl- | 25.04 | 142 | 1240758 | 21.415 | ppbv | | 96 |
| 81) 1,2,4-Trichlorobenzene | 22.02 | 180 | 1452424 | 11.094 | ppbv | | 98 |

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

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