Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102015\
Data File : VL026208.D
Acq On : 20 Oct 2015 11:54
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
MMDadoda
10/22/2015 4:31:20 PM

Quant Time: Oct 20 14:09:43 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Oct 2
QLast Update : Tue Oct 20 12:43:06 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 6.63 | 49 | 605044 | 10.00 | ppbv | | 0.00 |
| 33) 1,4-Difluorobenzene | 8.30 | 114 | 1809744 | 10.00 | ppbv | | 0.00 |
| 55) Chlorobenzene-d5 | 13.71 | 117 | 2163150 | 10.00 | ppbv | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 16.25 | 95 | 1680040 | 10.11 | ppbv | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 101.10% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.63 | 85 | 132817 | 1.10 | ppbv | | 94 |
| 3) Chlorodifluoromethane | 3.56 | 51 | 79874 | 1.11 | ppbv | | 96 |
| 4) Chloromethane | 3.74 | 50 | 41560 | 1.03 | ppbv | | 100 |
| 5) Vinyl Chloride | 3.87 | 62 | 43994 | 1.08 | ppbv | | 92 |
| 6) Bromomethane | 4.13 | 94 | 31969 | 1.08 | ppbv | | 100 |
| 7) Chloroethane | 4.22 | 64 | 18488 | 1.04 | ppbv | | 98 |
| 8) Dichlorotetrafluoroethane | 3.79 | 85 | 112040 | 1.10 | ppbv | | 99 |
| 9) Propene | 3.58 | 41 | 37233 | 1.14 | ppbv | | 100 |
| 10) Heptane | 9.32 | 43 | 124843 | 1.09 | ppbv | | 100 |
| 11) Trichlorofluoromethane | 4.67 | 101 | 124460 | 1.08 | ppbv | | 100 |
| 12) 1,1,2-Trichlorotrifluoroet | 5.29 | 101 | 85685 | 1.10 | ppbv | | 100 |
| 13) Ethanol | 4.33 | 45 | 6960m | 1.32 | ppbv | | |
| 14) Bromoethene | 4.43 | 108 | 35554 | 1.10 | ppbv | | 99 |
| 15) Acetone | 4.60 | 43 | 96716 | 1.19 | ppbv | # | 84 |
| 16) 1,3-Butadiene | 3.95 | 39 | 40180 | 1.09 | ppbv | | 98 |
| 17) tert-Butyl alcohol | 5.15 | 59 | 54420 | 1.10 | ppbv | | 100 |
| 18) 1,1-Dichloroethene | 5.07 | 96 | 38328 | 1.08 | ppbv | | 96 |
| 19) Isopropyl Alcohol | 4.76 | 45 | 34307 | 1.05 | ppbv | # | 39 |
| 20) Methylene Chloride | 5.13 | 84 | 36293 | 1.06 | ppbv | | 96 |
| 21) Allyl Chloride | 5.21 | 41 | 57884 | 1.09 | ppbv | | 90 |
| 22) trans-1,2-Dichloroethene | 5.74 | 96 | 49656 | 1.10 | ppbv | | 94 |
| 23) Vinyl Acetate | 5.96 | 43 | 168087 | 1.16 | ppbv | | 98 |
| 24) 1,1-Dichloroethane | 5.88 | 63 | 105770 | 1.10 | ppbv | | 98 |
| 25) Ethyl Acetate | 6.66 | 43 | 172961 | 1.12 | ppbv | | 100 |
| 26) Hexane | 6.63 | 57 | 86159 | 1.14 | ppbv | | 95 |
| 27) Carbon Disulfide | 5.37 | 76 | 105984 | 1.15 | ppbv | | 96 |
| 28) Methyl tert-Butyl Ether | 5.95 | 73 | 155296 | 1.25 | ppbv | | 99 |
| 29) Chloroform | 6.72 | 83 | 122729 | 1.11 | ppbv | | 96 |
| 30) Cyclohexane | 8.26 | 84 | 85094 | 1.18 | ppbv | # | 81 |
| 31) cis-1,2-Dichloroethene | 6.49 | 61 | 75011 | 1.10 | ppbv | | 97 |
| 32) 1,1,1-Trichloroethane | 7.57 | 97 | 130661 | 1.22 | ppbv | | 100 |
| 34) 2-Butanone | 6.19 | 43 | 105688 | 1.06 | ppbv | | 100 |
| 35) Carbon Tetrachloride | 8.13 | 117 | 134887 | 1.16 | ppbv | | 99 |
| 36) Benzene | 7.99 | 78 | 193432 | 1.11 | ppbv | | 99 |
| 37) 1,2-Dichloroethane | 7.34 | 62 | 96054 | 1.04 | ppbv | | 99 |
| 38) Trichloroethene | 9.04 | 130 | 85058 | 1.06 | ppbv | | 99 |
| 39) 1,2-Dichloropropane | 8.79 | 63 | 67453 | 1.05 | ppbv | | 100 |
| 40) 1,4-Dioxane | 9.15 | 88 | 14341m | 1.20 | ppbv | | |
| 41) Tetrahydrofuran | 7.12 | 42 | 60649 | 1.08 | ppbv | | 98 |
| 42) Bromodichloromethane | 8.99 | 83 | 140683 | 1.14 | ppbv | | 98 |
| 43) Methyl Methacrylate | 9.24 | 69 | 68514 | 1.12 | ppbv | | 97 |

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|---|---|---|---|---|---|---|---|
| 44) 2,2,4-Trimethylpentane | 9.06 | 57 | 323013 | 1.12 | ppbv | | 98 |
| 45) t-1,3-Dichloropropene | 10.62 | 75 | 103346 | 1.21 | ppbv | | 99 |
| 46) cis-1,3-Dichloropropene | 9.99 | 75 | 124861 | 1.20 | ppbv | | 99 |
| 47) 1,1,2-Trichloroethane | 10.85 | 97 | 83991 | 1.08 | ppbv | | 97 |
| 48) Dibromochloromethane | 11.77 | 129 | 133892 | 1.20 | ppbv | | 99 |
| 49) Bromoform | 14.77 | 173 | 110347 | 1.29 | ppbv | | 99 |
| 50) 4-Methyl-2-Pentanone | 10.07 | 43 | 141614 | 1.07 | ppbv | | 99 |
| 51) 2-Hexanone | 11.61 | 43 | 125533 | 1.06 | ppbv | # | 99 |
| 52) Tetrachloroethene | 12.76 | 164 | 94117 | 1.09 | ppbv | | 95 |
| 53) Toluene | 11.21 | 91 | 261938 | 1.17 | ppbv | | 99 |
| 54) 1,2-Dibromoethane | 12.11 | 107 | 128815 | 1.11 | ppbv | | 99 |
| 56) 1,1,1,2-Tetrachloroethane | 13.75 | 131 | 105109 | 1.20 | ppbv | # | 1 |
| 57) Chlorobenzene | 13.78 | 112 | 226758 | 1.15 | ppbv | | 99 |
| 58) Ethyl Benzene | 14.38 | 91 | 380479 | 1.20 | ppbv | | 99 |
| 59) m/p-Xylene | 14.69 | 91 | 603100m | 2.37 | ppbv | | |
| 60) o-Xylene | 15.46 | 91 | 318916 | 1.20 | ppbv | | 99 |
| 61) Styrene | 15.28 | 104 | 133977 | 1.22 | ppbv | | 99 |
| 62) Isopropylbenzene | 16.50 | 105 | 435658 | 1.23 | ppbv | | 99 |
| 63) 1,1,2,2-Tetrachloroethane | 15.44 | 83 | 199445 | 1.01 | ppbv | | 100 |
| 64) n-propylbenzene | 17.49 | 120 | 117666 | 1.23 | ppbv | | 91 |
| 65) tert-Butylbenzene | 18.78 | 119 | 407335 | 1.30 | ppbv | | 98 |
| 66) Benzyl Chloride | 19.07 | 91 | 157119 | 1.60 | ppbv | | 99 |
| 67) sec-Butylbenzene | 19.38 | 105 | 558780 | 1.28 | ppbv | | 100 |
| 69) p-Isopropyltoluene | 19.75 | 119 | 466587 | 1.33 | ppbv | | 98 |
| 70) n-Butylbenzene | 20.72 | 91 | 423055 | 1.27 | ppbv | | 99 |
| 71) 2-Chlorotoluene | 17.39 | 91 | 317534 | 1.23 | ppbv | | 100 |
| 72) 4-Ethyltoluene | 17.79 | 105 | 360744 | 1.26 | ppbv | | 99 |
| 73) 1,3,5-Trimethylbenzene | 17.95 | 105 | 337270 | 1.25 | ppbv | | 99 |
| 74) 1,2,4-Trimethylbenzene | 18.79 | 105 | 360857 | 1.28 | ppbv | # | 92 |
| 75) 1,3-Dichlorobenzene | 19.08 | 146 | 234074 | 1.29 | ppbv | | 98 |
| 76) 1,4-Dichlorobenzene | 19.24 | 146 | 235613 | 1.28 | ppbv | | 99 |
| 77) 1,2-Dichlorobenzene | 19.99 | 146 | 231612 | 1.30 | ppbv | | 99 |
| 78) Hexachloro-1,3-Butadiene | 24.64 | 225 | 125093 | 1.95 | ppbv | | 99 |
| 79) Naphthalene | 23.91 | 128 | 301804 | 1.91 | ppbv | | 97 |
| 80) Naphthalene,2-methyl- | 26.02 | 142 | 43312 | 0.90 | ppbv | # | 95 |
| 81) 1,2,4-Trichlorobenzene | 23.71 | 180 | 150861 | 1.90 | ppbv | | 99 |

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

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