Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080621\
Data File : VL037347.D
Acq On : 6 Aug 2021 15:47
Operator : SY/AP
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 06 17:49:59 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 0
QLast Update : Fri Aug 06 17:29:12 2021
Response via : Initial Calibration

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

**Manual Integrations APPROVED**
MMDadoda
8/10/2021 6:09:37 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.66 | 49 | 940304 | 10.00 | ppbv | 0.00 |
| 33) 1,4-Difluorobenzene | 7.17 | 114 | 3188419 | 10.00 | ppbv | 0.00 |
| 55) Chlorobenzene-d5 | 12.08 | 117 | 2722753m | 10.00 | ppbv | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.40 | 95 | 1958361 | 10.36 | ppbv | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 103.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.04 | 85 | 2665536 | 12.512 | ppbv | 99 |
| 3) Chlorodifluoromethane | 2.99 | 51 | 2702446 | 14.411 | ppbv | 99 |
| 4) Chloromethane | 3.14 | 50 | 958049 | 14.948 | ppbv | 98 |
| 5) Vinyl Chloride | 3.25 | 62 | 1068332 | 13.805 | ppbv | 97 |
| 6) Bromomethane | 3.47 | 94 | 588979 | 15.258 | ppbv | 93 |
| 7) Chloroethane | 3.55 | 64 | 377274 | 14.549 | ppbv | 99 |
| 8) Dichlorotetrafluoroethane | 3.18 | 85 | 2676405 | 14.634 | ppbv | 98 |
| 9) Propene | 3.01 | 41 | 923579 | 14.675 | ppbv | 100 |
| 10) Heptane | 8.12 | 43 | 2262539 | 15.469 | ppbv | 98 |
| 11) Trichlorofluoromethane | 3.94 | 101 | 2623812 | 14.363 | ppbv | 99 |
| 12) 1,1,2-Trichlorotrifluoroet | 4.48 | 101 | 1939927 | 14.284 | ppbv | 99 |
| 13) Ethanol | 3.61 | 45 | 131019 | 11.288 | ppbv | 98 |
| 14) Bromoethene | 3.74 | 108 | 898292 | 15.546 | ppbv | 98 |
| 15) Acetone | 3.84 | 43 | 1230432 | 12.557 | ppbv | 99 |
| 16) 1,3-Butadiene | 3.32 | 39 | 970574 | 14.736 | ppbv | 99 |
| 17) tert-Butyl alcohol | 4.28 | 59 | 1497653 | 14.359 | ppbv | 99 |
| 18) 1,1-Dichloroethene | 4.28 | 96 | 903700 | 15.293 | ppbv | 96 |
| 19) Isopropyl Alcohol | 3.96 | 45 | 822229 | 13.864 | ppbv | 99 |
| 20) Methylene Chloride | 4.34 | 84 | 763787 | 9.216 | ppbv | 98 |
| 21) Allyl Chloride | 4.41 | 41 | 1168591 | 14.423 | ppbv | 97 |
| 22) trans-1,2-Dichloroethene | 4.88 | 96 | 886532 | 15.413 | ppbv | 98 |
| 23) Vinyl Acetate | 5.07 | 43 | 2323177 | 17.083 | ppbv | 98 |
| 24) 1,1-Dichloroethane | 5.01 | 63 | 1723690 | 14.729 | ppbv | 100 |
| 25) Ethyl Acetate | 5.67 | 43 | 3491443 | 14.405 | ppbv | 99 |
| 26) Hexane | 5.68 | 57 | 1792250 | 13.087 | ppbv | 98 |
| 27) Carbon Disulfide | 4.54 | 76 | 2091653 | 17.592 | ppbv | 100 |
| 28) Methyl tert-Butyl Ether | 5.03 | 73 | 2051114 | 15.037 | ppbv | 99 |
| 29) Chloroform | 5.74 | 83 | 2752826 | 14.983 | ppbv | 99 |
| 30) Cyclohexane | 7.12 | 84 | 1608829 | 15.063 | ppbv | 98 |
| 31) cis-1,2-Dichloroethene | 5.54 | 61 | 1731727 | 16.020 | ppbv | 97 |
| 32) 1,1,1-Trichloroethane | 6.50 | 97 | 2847589 | 14.619 | ppbv | 99 |
| 34) 2-Butanone | 5.24 | 43 | 1577049 | 14.731 | ppbv | 99 |
| 35) Carbon Tetrachloride | 7.01 | 117 | 3033056 | 15.201 | ppbv | 99 |
| 36) Benzene | 6.88 | 78 | 3779688 | 15.467 | ppbv | 99 |
| 37) 1,2-Dichloroethane | 6.30 | 62 | 1962954 | 15.360 | ppbv | 99 |
| 38) Trichloroethene | 7.83 | 130 | 1617133 | 13.506 | ppbv | 97 |
| 39) 1,2-Dichloropropane | 7.61 | 63 | 1418243 | 15.928 | ppbv | 97 |
| 40) 1,4-Dioxane | 7.83 | 88 | 324581 | 12.297 | ppbv # | 100 |
| 41) Tetrahydrofuran | 6.04 | 42 | 858557 | 16.302 | ppbv | 97 |
| 42) Bromodichloromethane | 7.78 | 83 | 2960206 | 16.111 | ppbv | 99 |
| 43) Methyl Methacrylate | 8.01 | 69 | 1334547 | 16.783 | ppbv | 98 |

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Instrument :
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ClientSampleId :
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Quant Time: Aug 06 17:49:59 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 0
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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,2,4-Trimethylpentane | 7.86 | 57 | 6033324 | 14.765 | ppbv | | 99 |
| 45) t-1,3-Dichloropropene | 9.27 | 75 | 1045496 | 20.276 | ppbv | | 98 |
| 46) cis-1,3-Dichloropropene | 8.70 | 75 | 1364215 | 18.591 | ppbv | | 98 |
| 47) 1,1,2-Trichloroethane | 9.46 | 97 | 1557912 | 15.146 | ppbv | | 98 |
| 48) Dibromochloromethane | 10.29 | 129 | 2679014 | 16.866 | ppbv | | 96 |
| 49) Bromoform | 13.03 | 173 | 1994980 | 17.164 | ppbv | | 89 |
| 50) 4-Methyl-2-Pentanone | 8.74 | 43 | 2341967 | 15.952 | ppbv | | 99 |
| 51) 2-Hexanone | 10.13 | 43 | 1243426 | 16.903 | ppbv | # | 98 |
| 52) Tetrachloroethene | 11.21 | 164 | 1547118 | 13.275 | ppbv | | 99 |
| 53) Toluene | 9.80 | 91 | 4465916 | 15.678 | ppbv | | 99 |
| 54) 1,2-Dibromoethane | 10.60 | 107 | 2236249 | 15.738 | ppbv | | 99 |
| 56) 1,1,1,2-Tetrachloroethane | 12.11 | 131 | 1760840 | 15.580 | ppbv | # | 64 |
| 57) Chlorobenzene | 12.14 | 112 | 3234951 | 15.469 | ppbv | | 99 |
| 58) Ethyl Benzene | 12.70 | 91 | 5525383 | 15.848 | ppbv | | 99 |
| 59) m/p-Xylene | 12.99 | 91 | 9717851m | 31.972 | ppbv | | |
| 60) o-Xylene | 13.68 | 91 | 4119586 | 14.655 | ppbv | | 91 |
| 61) Styrene | 13.52 | 104 | 2406545 | 16.656 | ppbv | | 96 |
| 62) Isopropylbenzene | 14.66 | 105 | 6309538 | 15.236 | ppbv | | 98 |
| 63) 1,1,2,2-Tetrachloroethane | 13.67 | 83 | 3032406 | 13.651 | ppbv | | 97 |
| 64) n-propylbenzene | 15.55 | 120 | 1681516 | 16.030 | ppbv | | 87 |
| 65) tert-Butylbenzene | 16.74 | 119 | 5866470 | 15.447 | ppbv | | 100 |
| 66) Benzyl Chloride | 16.98 | 91 | 290991 | 19.231 | ppbv | | 96 |
| 67) sec-Butylbenzene | 17.28 | 105 | 7906116 | 15.731 | ppbv | | 99 |
| 69) p-Isopropyltoluene | 17.64 | 119 | 6959933 | 16.039 | ppbv | | 99 |
| 70) n-Butylbenzene | 18.54 | 91 | 6594106 | 17.039 | ppbv | | 99 |
| 71) 2-Chlorotoluene | 15.44 | 91 | 4332881 | 15.618 | ppbv | | 94 |
| 72) 4-Ethyltoluene | 15.83 | 105 | 5463964 | 16.449 | ppbv | | 98 |
| 73) 1,3,5-Trimethylbenzene | 15.99 | 105 | 5144282 | 16.383 | ppbv | | 98 |
| 74) 1,2,4-Trimethylbenzene | 16.75 | 105 | 5254084 | 15.939 | ppbv | | 99 |
| 75) 1,3-Dichlorobenzene | 16.99 | 146 | 3394542 | 16.268 | ppbv | | 100 |
| 76) 1,4-Dichlorobenzene | 17.13 | 146 | 3416316 | 16.696 | ppbv | | 99 |
| 77) 1,2-Dichlorobenzene | 17.81 | 146 | 3305765 | 16.324 | ppbv | | 99 |
| 78) Hexachloro-1,3-Butadiene | 23.36 | 225 | 2383225 | 14.861 | ppbv | | 100 |
| 79) Naphthalene | 22.18 | 128 | 4759364 | 20.477 | ppbv | | 99 |
| 80) Naphthalene,2-methyl- | 24.96 | 142 | 1198896 | 28.472 | ppbv | | 95 |
| 81) 1,2,4-Trichlorobenzene | 21.91 | 180 | 2781502 | 18.449 | ppbv | | 99 |

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

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