Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091420\
Data File : VL035596.D
Acq On : 14 Sep 2020 10:11
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 15 06:49:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Sep 14
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

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

**Manual Integrations APPROVED**
MMDadoda
9/17/2020 5:39:56 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.66 | 49 | 1109526 | 10.00 | ppbv | 0.00 |
| 33) 1,4-Difluorobenzene | 7.18 | 114 | 4509345 | 10.00 | ppbv | 0.00 |
| 55) Chlorobenzene-d5 | 12.10 | 117 | 4720631 | 10.00 | ppbv | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.43 | 95 | 3464441 | 10.33 | ppbv | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 103.30% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.03 | 85 | 1474459 | 7.668 | ppbv | 98 |
| 3) Chlorodifluoromethane | 2.97 | 51 | 1161646 | 9.466 | ppbv | 99 |
| 4) Chloromethane | 3.13 | 50 | 620106 | 9.432 | ppbv | 99 |
| 5) Vinyl Chloride | 3.24 | 62 | 740268 | 9.133 | ppbv | 99 |
| 6) Bromomethane | 3.46 | 94 | 650873 | 9.560 | ppbv | 99 |
| 7) Chloroethane | 3.55 | 64 | 279431 | 9.751 | ppbv | 95 |
| 8) Dichlorotetrafluoroethane | 3.18 | 85 | 2112014 | 9.070 | ppbv | 94 |
| 9) Propene | 3.00 | 41 | 450415 | 9.521 | ppbv | 97 |
| 10) Heptane | 8.13 | 43 | 1278698 | 10.063 | ppbv | 99 |
| 11) Trichlorofluoromethane | 3.94 | 101 | 2537303 | 9.049 | ppbv | 100 |
| 12) 1,1,2-Trichlorotrifluoroet | 4.48 | 101 | 1913926 | 9.043 | ppbv | 93 |
| 13) Ethanol | 3.60 | 45 | 102376 | 8.728 | ppbv | 96 |
| 14) Bromoethene | 3.73 | 108 | 871669 | 9.569 | ppbv | 100 |
| 15) Acetone | 3.84 | 43 | 1018257 | 8.321 | ppbv | 99 |
| 16) 1,3-Butadiene | 3.32 | 39 | 456180 | 10.014 | ppbv | 100 |
| 17) tert-Butyl alcohol | 4.28 | 59 | 1443837 | 9.693 | ppbv | 100 |
| 18) 1,1-Dichloroethene | 4.28 | 96 | 902335 | 9.682 | ppbv | 95 |
| 19) Isopropyl Alcohol | 3.96 | 45 | 701431 | 9.608 | ppbv # | 97 |
| 20) Methylene Chloride | 4.34 | 84 | 800603 | 8.784 | ppbv | 96 |
| 21) Allyl Chloride | 4.40 | 41 | 601718 | 10.496 | ppbv | 99 |
| 22) trans-1,2-Dichloroethene | 4.88 | 96 | 926013 | 9.333 | ppbv | 95 |
| 23) Vinyl Acetate | 5.07 | 43 | 1530692 | 9.746 | ppbv | 99 |
| 24) 1,1-Dichloroethane | 5.01 | 63 | 1527449 | 9.450 | ppbv | 99 |
| 25) Ethyl Acetate | 5.67 | 43 | 2095973 | 9.695 | ppbv | 99 |
| 26) Hexane | 5.68 | 57 | 1205456 | 9.841 | ppbv | 98 |
| 27) Carbon Disulfide | 4.54 | 76 | 1955759 | 11.126 | ppbv | 100 |
| 28) Methyl tert-Butyl Ether | 5.03 | 73 | 2031143 | 9.514 | ppbv | 99 |
| 29) Chloroform | 5.75 | 83 | 2401581 | 9.623 | ppbv | 99 |
| 30) Cyclohexane | 7.13 | 84 | 1324512 | 10.094 | ppbv | 97 |
| 31) cis-1,2-Dichloroethene | 5.55 | 61 | 1256465 | 9.998 | ppbv | 97 |
| 32) 1,1,1-Trichloroethane | 6.51 | 97 | 2338456 | 9.659 | ppbv | 98 |
| 34) 2-Butanone | 5.24 | 43 | 1428653 | 10.676 | ppbv | 99 |
| 35) Carbon Tetrachloride | 7.02 | 117 | 2460535 | 10.857 | ppbv | 100 |
| 36) Benzene | 6.89 | 78 | 3029030 | 10.377 | ppbv | 99 |
| 37) 1,2-Dichloroethane | 6.30 | 62 | 1469579 | 10.560 | ppbv | 99 |
| 38) Trichloroethene | 7.84 | 130 | 1571592 | 9.269 | ppbv | 96 |
| 39) 1,2-Dichloropropane | 7.61 | 63 | 1032214 | 10.468 | ppbv | 98 |
| 40) 1,4-Dioxane | 7.83 | 88 | 504755 | 10.247 | ppbv | 77 |
| 41) Tetrahydrofuran | 6.04 | 42 | 806000 | 11.358 | ppbv | 98 |
| 42) Bromodichloromethane | 7.80 | 83 | 2502449 | 11.120 | ppbv | 100 |
| 43) Methyl Methacrylate | 8.02 | 69 | 1273592 | 11.284 | ppbv | 98 |

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091420\
Data File : VL035596.D
Acq On : 14 Sep 2020 10:11
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
MMDadoda
9/17/2020 5:39:56 PM

Quant Time: Sep 15 06:49:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Sep 14
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,2,4-Trimethylpentane | 7.87 | 57 | 4004490 | 10.426 | ppbv | | 99 |
| 45) t-1,3-Dichloropropene | 9.29 | 75 | 1413586 | 12.363 | ppbv | | 100 |
| 46) cis-1,3-Dichloropropene | 8.71 | 75 | 1693711 | 11.931 | ppbv | | 99 |
| 47) 1,1,2-Trichloroethane | 9.48 | 97 | 1504702 | 10.342 | ppbv | | 98 |
| 48) Dibromochloromethane | 10.31 | 129 | 2558207 | 11.171 | ppbv | | 100 |
| 49) Bromoform | 13.05 | 173 | 2317683 | 11.168 | ppbv | | 100 |
| 50) 4-Methyl-2-Pentanone | 8.74 | 43 | 2172782 | 11.213 | ppbv | | 99 |
| 51) 2-Hexanone | 10.14 | 43 | 1856827 | 11.681 | ppbv | # | 99 |
| 52) Tetrachloroethene | 11.23 | 164 | 1494098 | 8.762 | ppbv | | 97 |
| 53) Toluene | 9.81 | 91 | 3844989 | 10.475 | ppbv | | 100 |
| 54) 1,2-Dibromoethane | 10.62 | 107 | 2371222 | 10.314 | ppbv | | 98 |
| 56) 1,1,1,2-Tetrachloroethane | 12.14 | 131 | 2001105 | 10.418 | ppbv | | 99 |
| 57) Chlorobenzene | 12.16 | 112 | 3299489 | 9.497 | ppbv | | 97 |
| 58) Ethyl Benzene | 12.72 | 91 | 5028872 | 10.331 | ppbv | | 99 |
| 59) m/p-Xylene | 13.01 | 91 | 8668361m | 21.311 | ppbv | | |
| 60) o-Xylene | 13.71 | 91 | 4233135 | 10.333 | ppbv | | 98 |
| 61) Styrene | 13.54 | 104 | 3374572 | 10.770 | ppbv | | 98 |
| 62) Isopropylbenzene | 14.68 | 105 | 6386604 | 9.705 | ppbv | | 99 |
| 63) 1,1,2,2-Tetrachloroethane | 13.69 | 83 | 3097268 | 9.751 | ppbv | | 100 |
| 64) n-propylbenzene | 15.58 | 120 | 2018191 | 10.049 | ppbv | | 92 |
| 65) tert-Butylbenzene | 16.76 | 119 | 6059030 | 9.904 | ppbv | | 97 |
| 66) Benzyl Chloride | 17.00 | 91 | 2107939 | 13.865 | ppbv | | 96 |
| 67) sec-Butylbenzene | 17.31 | 105 | 7961453 | 9.768 | ppbv | | 97 |
| 69) p-Isopropyltoluene | 17.67 | 119 | 6927951 | 9.690 | ppbv | | 98 |
| 70) n-Butylbenzene | 18.57 | 91 | 6924589 | 10.055 | ppbv | | 98 |
| 71) 2-Chlorotoluene | 15.47 | 91 | 4959444 | 10.349 | ppbv | | 96 |
| 72) 4-Ethyltoluene | 15.85 | 105 | 5297676 | 10.172 | ppbv | | 99 |
| 73) 1,3,5-Trimethylbenzene | 16.01 | 105 | 4970528 | 10.318 | ppbv | | 99 |
| 74) 1,2,4-Trimethylbenzene | 16.78 | 105 | 5234628 | 9.895 | ppbv | | 95 |
| 75) 1,3-Dichlorobenzene | 17.01 | 146 | 3588966 | 9.159 | ppbv | | 98 |
| 76) 1,4-Dichlorobenzene | 17.16 | 146 | 3586036 | 9.279 | ppbv | | 98 |
| 77) 1,2-Dichlorobenzene | 17.83 | 146 | 3530237 | 9.299 | ppbv | | 98 |
| 78) Hexachloro-1,3-Butadiene | 23.40 | 225 | 2199012 | 9.073 | ppbv | | 100 |
| 79) Naphthalene | 22.22 | 128 | 6037199 | 10.285 | ppbv | | 99 |
| 80) Naphthalene,2-methyl- | 24.99 | 142 | 2452469 | 12.241 | ppbv | | 99 |
| 81) 1,2,4-Trichlorobenzene | 21.95 | 180 | 3340916 | 9.504 | ppbv | | 100 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091420\
Data File : VL035596.D
Acq On : 14 Sep 2020 10:11
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 15 06:49:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Sep
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

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

**Manual Integrations APPROVED**
MMDadoda
9/17/2020 5:39:56 PM