Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061419\
Data File : VX010292.D
Acq On : 14 Jun 2019 11:59
Operator : JC/SP
Sample : VX0614WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** VX0614WBS01

**Manual Integrations APPROVED**
MMDadoda
6/17/2019 10:35:56 AM

Quant Time: Jun 15 01:33:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.66 | 168 | 300384 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 440729 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 401393 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 211335 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.06 | 65 | 137528 | 46.90 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 93.80% | | | | |
| 35) Dibromofluoromethane | 5.49 | 113 | 137920 | 50.73 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.46% | | | | |
| 50) Toluene-d8 | 8.71 | 98 | 521133 | 51.15 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.30% | | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 191872 | 50.43 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.86% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.20 | 85 | 54683 | 19.784 | ug/l | | 98 |
| 3) Chloromethane | 1.32 | 50 | 50808 | 18.510 | ug/l | | 99 |
| 4) Vinyl Chloride | 1.41 | 62 | 55957 | 21.690 | ug/l | | 97 |
| 5) Bromomethane | 1.64 | 94 | 27935 | 28.695 | ug/l | | 97 |
| 6) Chloroethane | 1.72 | 64 | 32604 | 25.066 | ug/l | | 99 |
| 7) Trichlorofluoromethane | 1.93 | 101 | 88252 | 23.029 | ug/l | | 97 |
| 8) Diethyl Ether | 2.19 | 74 | 31129 | 23.568 | ug/l | | 77 |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 52163 | 19.747 | ug/l | | 91 |
| 10) Methyl Iodide | 2.51 | 142 | 66213 | 16.178 | ug/l | | 97 |
| 11) Tert butyl alcohol | 3.04 | 59 | 74735 | 104.047 | ug/l | | 98 |
| 12) 1,1-Dichloroethene | 2.37 | 96 | 50349 | 18.661 | ug/l | # | 80 |
| 13) Acrolein | 2.29 | 56 | 8869 | 67.717 | ug/l | | 96 |
| 14) Allyl chloride | 2.73 | 41 | 72938 | 17.909 | ug/l | # | 87 |
| 15) Acrylonitrile | 3.14 | 53 | 144088 | 98.142 | ug/l | | 98 |
| 16) Acetone | 2.44 | 43 | 136595 | 99.048 | ug/l | # | 86 |
| 17) Carbon Disulfide | 2.57 | 76 | 123125 | 15.793 | ug/l | | 99 |
| 18) Methyl Acetate | 2.77 | 43 | 61516 | 20.283 | ug/l | # | 84 |
| 19) Methyl tert-butyl Ether | 3.19 | 73 | 162639 | 18.763 | ug/l | | 93 |
| 20) Methylene Chloride | 2.86 | 84 | 56720 | 18.728 | ug/l | # | 76 |
| 21) trans-1,2-Dichloroethene | 3.17 | 96 | 53768 | 18.007 | ug/l | # | 77 |
| 22) Diisopropyl ether | 3.85 | 45 | 153605 | 19.726 | ug/l | # | 91 |
| 23) Vinyl Acetate | 3.81 | 43 | 666464 | 95.941 | ug/l | # | 89 |
| 24) 1,1-Dichloroethane | 3.70 | 63 | 90298 | 19.099 | ug/l | # | 93 |
| 25) 2-Butanone | 4.67 | 43 | 203140 | 98.920 | ug/l | # | 81 |
| 26) 2,2-Dichloropropane | 4.58 | 77 | 78723 | 18.252 | ug/l | | 93 |
| 27) cis-1,2-Dichloroethene | 4.60 | 96 | 64241 | 19.340 | ug/l | | 76 |
| 28) Bromochloromethane | 5.01 | 49 | 36944 | 17.436 | ug/l | # | 48 |
| 29) Tetrahydrofuran | 5.13 | 42 | 122439 | 94.871 | ug/l | # | 74 |
| 30) Chloroform | 5.21 | 83 | 92670 | 18.874 | ug/l | | 97 |
| 31) Cyclohexane | 5.58 | 56 | 81479 | 19.096 | ug/l | # | 76 |
| 32) 1,1,1-Trichloroethane | 5.49 | 97 | 84669 | 18.343 | ug/l | | 94 |
| 36) 1,1-Dichloropropene | 5.80 | 75 | 67965 | 18.902 | ug/l | | 92 |
| 37) Ethyl Acetate | 4.83 | 43 | 71652 | 19.152 | ug/l | # | 90 |
| 38) Carbon Tetrachloride | 5.78 | 117 | 76072 | 18.691 | ug/l | | 99 |

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Quant Title : SW846 8260
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| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 39) Methylcyclohexane | 7.46 | 83 | 93817 | 19.161 ug/l | # | 82 |
| 40) Benzene | 6.14 | 78 | 220530 | 19.834 ug/l | | 99 |
| 41) Methacrylonitrile | 5.04 | 41 | 39887 | 19.710 ug/l | # | 84 |
| 42) 1,2-Dichloroethane | 6.19 | 62 | 68335 | 19.252 ug/l | | 93 |
| 43) Isopropyl Acetate | 6.44 | 43 | 120938 | 19.334 ug/l | # | 90 |
| 44) Trichloroethene | 7.21 | 130 | 65410 | 19.517 ug/l | | 85 |
| 45) 1,2-Dichloropropane | 7.51 | 63 | 56104 | 20.160 ug/l | | 95 |
| 46) Dibromomethane | 7.66 | 93 | 39585 | 18.987 ug/l | | 91 |
| 47) Bromodichloromethane | 7.90 | 83 | 73192 | 18.788 ug/l | # | 99 |
| 48) Methyl methacrylate | 7.77 | 41 | 55174 | 18.860 ug/l | # | 73 |
| 49) 1,4-Dioxane | 7.74 | 88 | 32371 | 388.111 ug/l | # | 80 |
| 51) 4-Methyl-2-Pentanone | 8.64 | 43 | 388718 | 104.022 ug/l | | 90 |
| 52) Toluene | 8.78 | 92 | 143426 | 19.624 ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 9.04 | 75 | 82158 | 18.232 ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.43 | 75 | 90113 | 18.654 ug/l | # | 89 |
| 55) 1,1,2-Trichloroethane | 9.21 | 97 | 60127 | 20.088 ug/l | | 98 |
| 56) Ethyl methacrylate | 9.18 | 69 | 91864 | 19.429 ug/l | # | 82 |
| 57) 1,3-Dichloropropane | 9.37 | 76 | 94122 | 19.973 ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.31 | 63 | 175718 | 78.832 ug/l | # | 86 |
| 59) 2-Hexanone | 9.49 | 43 | 305654 | 102.587 ug/l | | 87 |
| 60) Dibromochloromethane | 9.58 | 129 | 66463 | 18.772 ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.67 | 107 | 63967 | 19.188 ug/l | | 98 |
| 64) Tetrachloroethene | 9.34 | 164 | 64682 | 21.696 ug/l | | 99 |
| 65) Chlorobenzene | 10.13 | 112 | 166467 | 20.094 ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.22 | 131 | 60689 | 19.049 ug/l | | 98 |
| 67) Ethyl Benzene | 10.25 | 91 | 278944 | 19.779 ug/l | | 93 |
| 68) m/p-Xylenes | 10.36 | 106 | 220336 | 40.374 ug/l | | 89 |
| 69) o-Xylene | 10.69 | 106 | 106920 | 19.709 ug/l | | 89 |
| 70) Styrene | 10.71 | 104 | 180889 | 19.687 ug/l | | 94 |
| 71) Bromoform | 10.85 | 173 | 53080 | 18.123 ug/l | # | 99 |
| 73) Isopropylbenzene | 11.02 | 105 | 283473 | 19.215 ug/l | | 95 |
| 74) N-amyl acetate | 10.90 | 43 | 106974 | 18.344 ug/l | # | 89 |
| 75) 1,1,2,2-Tetrachloroethane | 11.27 | 83 | 94889 | 18.790 ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.29 | 75 | 78177m | 18.494 ug/l | | |
| 77) Bromobenzene | 11.26 | 156 | 77616 | 19.132 ug/l | | 80 |
| 78) n-propylbenzene | 11.36 | 91 | 313927 | 19.114 ug/l | | 93 |
| 79) 2-Chlorotoluene | 11.42 | 91 | 184025 | 18.656 ug/l | | 89 |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105 | 236925 | 19.067 ug/l | | 96 |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75 | 31390 | 16.407 ug/l | | 86 |
| 82) 4-Chlorotoluene | 11.51 | 91 | 211169 | 18.845 ug/l | | 90 |
| 83) tert-Butylbenzene | 11.77 | 119 | 237760 | 18.905 ug/l | | 94 |
| 84) 1,2,4-Trimethylbenzene | 11.80 | 105 | 239552 | 19.086 ug/l | | 96 |
| 85) sec-Butylbenzene | 11.94 | 105 | 282570 | 19.285 ug/l | | 95 |
| 86) p-Isopropyltoluene | 12.06 | 119 | 260875 | 19.476 ug/l | | 96 |
| 87) 1,3-Dichlorobenzene | 12.02 | 146 | 137711 | 19.271 ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.10 | 146 | 138298 | 19.199 ug/l | | 98 |
| 89) n-Butylbenzene | 12.38 | 91 | 224523 | 19.473 ug/l | | 97 |
| 90) Hexachloroethane | 12.59 | 117 | 44854 | 16.810 ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.39 | 146 | 140148 | 20.174 ug/l | | 96 |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75 | 19953 | 16.791 ug/l | | 67 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180 | 98744 | 19.418 | ug/l | 98 |
| 94) Hexachlorobutadiene | 13.78 | 225 | 47550 | 21.025 | ug/l | 98 |
| 95) Naphthalene | 13.83 | 128 | 303689 | 18.971 | ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180 | 100023 | 19.893 | ug/l | 99 |

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

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