Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090722\
Data File : VX031158.D
Acq On : 07 Sep 2022 14:26
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 07 23:24:37 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090722W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 07 23:22:41 2022
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX090722

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/08/2022
Supervised By :Mahesh Dadoda 09/08/2022

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.556 | 168 | 59051 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 95286 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 99971 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 62804 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 70066 | 50.117 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 100.240% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 53835 | 51.846 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 103.700% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 190410 | 50.472 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 100.940% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 73195 | 52.943 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 105.880% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 44858 | 47.270 | ug/l | 98 |
| 3) Chloromethane | 1.288 | 50 | 31798 | 43.605 | ug/l | 97 |
| 4) Vinyl Chloride | 1.374 | 62 | 38903 | 45.193 | ug/l | 99 |
| 5) Bromomethane | 1.611 | 94 | 27311 | 49.656 | ug/l | 96 |
| 6) Chloroethane | 1.685 | 64 | 23572 | 48.814 | ug/l | 95 |
| 7) Trichlorofluoromethane | 1.886 | 101 | 88386 | 47.120 | ug/l | 99 |
| 8) Diethyl Ether | 2.130 | 74 | 25790 | 48.406 | ug/l | 74 |
| 9) 1,1,2-Trichlorotrifluo... | 2.325 | 101 | 51680 | 48.721 | ug/l | 96 |
| 10) Methyl Iodide | 2.453 | 142 | 62206 | 47.426 | ug/l # | 86 |
| 11) Tert butyl alcohol | 2.995 | 59 | 65477m | 263.125 | ug/l | |
| 12) 1,1-Dichloroethene | 2.319 | 96 | 47395 | 47.538 | ug/l | 92 |
| 13) Acrolein | 2.239 | 56 | 46560 | 239.796 | ug/l | 98 |
| 14) Allyl chloride | 2.660 | 41 | 64680 | 48.293 | ug/l # | 80 |
| 15) Acrylonitrile | 3.062 | 53 | 129211 | 242.719 | ug/l | 96 |
| 16) Acetone | 2.386 | 43 | 111291 | 229.903 | ug/l | 98 |
| 17) Carbon Disulfide | 2.508 | 76 | 121344 | 49.505 | ug/l | 98 |
| 18) Methyl Acetate | 2.703 | 43 | 59392 | 47.394 | ug/l # | 88 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 174994 | 49.417 | ug/l | 91 |
| 20) Methylene Chloride | 2.788 | 84 | 53489 | 47.013 | ug/l | 90 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 51690 | 46.792 | ug/l | 95 |
| 22) Diisopropyl ether | 3.757 | 45 | 133428 | 47.442 | ug/l # | 96 |
| 23) Vinyl Acetate | 3.721 | 43 | 588769 | 249.409 | ug/l # | 92 |
| 24) 1,1-Dichloroethane | 3.611 | 63 | 91506 | 49.053 | ug/l | 98 |
| 25) 2-Butanone | 4.562 | 43 | 169356 | 236.191 | ug/l | 95 |
| 26) 2,2-Dichloropropane | 4.477 | 77 | 86541 | 51.843 | ug/l | 92 |
| 27) cis-1,2-Dichloroethene | 4.489 | 96 | 60257 | 47.511 | ug/l | 98 |
| 28) Bromochloromethane | 4.897 | 49 | 34791 | 51.433 | ug/l # | 80 |
| 29) Tetrahydrofuran | 5.007 | 42 | 102812 | 242.863 | ug/l # | 81 |
| 30) Chloroform | 5.093 | 83 | 104673 | 47.436 | ug/l | 99 |
| 31) Cyclohexane | 5.471 | 56 | 73168 | 46.834 | ug/l | 90 |
| 32) 1,1,1-Trichloroethane | 5.385 | 97 | 97321 | 48.934 | ug/l | 97 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 75600 | 48.617 | ug/l | 95 |
| 37) Ethyl Acetate | 4.715 | 43 | 66561 | 48.250 | ug/l | 96 |
| 38) Carbon Tetrachloride | 5.678 | 117 | 83884 | 51.271 | ug/l | 95 |
| 39) Methylcyclohexane | 7.379 | 83 | 90181 | 50.777 | ug/l | 95 |
| 40) Benzene | 6.038 | 78 | 205552 | 48.660 | ug/l | 99 |

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**Instrument :**
MSVOA_X
**ClientSampleId :**
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.916 | 41 | 36295 | 50.317 | ug/l | # | 91 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 87300 | 50.476 | ug/l | | 94 |
| 43) Isopropyl Acetate | 6.336 | 43 | 108920 | 50.078 | ug/l | # | 96 |
| 44) Trichloroethene | 7.123 | 130 | 56668 | 47.723 | ug/l | | 95 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 50582 | 48.724 | ug/l | | 97 |
| 46) Dibromomethane | 7.580 | 93 | 40768 | 49.523 | ug/l | | 93 |
| 47) Bromodichloromethane | 7.824 | 83 | 82388 | 51.450 | ug/l | | 97 |
| 48) Methyl methacrylate | 7.690 | 41 | 53121 | 50.155 | ug/l | | 87 |
| 49) 1,4-Dioxane | 7.696 | 88 | 27855 | 952.690 | ug/l | | 97 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 329873 | 247.679 | ug/l | | 91 |
| 52) Toluene | 8.720 | 92 | 134804 | 48.383 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 90839 | 54.453 | ug/l | | 95 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 92739 | 51.782 | ug/l | | 96 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 56436 | 49.267 | ug/l | | 96 |
| 56) Ethyl methacrylate | 9.116 | 69 | 89159 | 52.830 | ug/l | | 89 |
| 57) 1,3-Dichloropropane | 9.311 | 76 | 94787 | 47.889 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 192759 | 242.345 | ug/l | | 94 |
| 59) 2-Hexanone | 9.433 | 43 | 251937 | 250.140 | ug/l | | 92 |
| 60) Dibromochloromethane | 9.525 | 129 | 62308 | 52.759 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 62315 | 48.952 | ug/l | | 97 |
| 64) Tetrachloroethene | 9.275 | 164 | 51999 | 49.965 | ug/l | | 96 |
| 65) Chlorobenzene | 10.079 | 112 | 145302 | 49.365 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131 | 56298 | 48.968 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.195 | 91 | 272277 | 51.045 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.305 | 106 | 202045 | 102.183 | ug/l | | 90 |
| 69) o-Xylene | 10.640 | 106 | 99849 | 50.597 | ug/l | | 89 |
| 70) Styrene | 10.659 | 104 | 166903 | 52.741 | ug/l | | 93 |
| 71) Bromoform | 10.799 | 173 | 43470 | 56.748 | ug/l | # | 98 |
| 73) Isopropylbenzene | 10.963 | 105 | 270134 | 49.533 | ug/l | | 98 |
| 74) N-amyl acetate | 10.842 | 43 | 84112 | 48.444 | ug/l | # | 85 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 79667 | 46.796 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 78975m | 46.076 | ug/l | | |
| 77) Bromobenzene | 11.201 | 156 | 58649 | 49.480 | ug/l | | 97 |
| 78) n-propylbenzene | 11.305 | 91 | 313386 | 50.412 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 186295 | 48.371 | ug/l | | 96 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 227906 | 49.708 | ug/l | | 95 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 27586 | 51.902 | ug/l | | 95 |
| 82) 4-Chlorotoluene | 11.457 | 91 | 221539 | 49.717 | ug/l | | 95 |
| 83) tert-Butylbenzene | 11.713 | 119 | 220883 | 48.871 | ug/l | | 94 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 225184 | 50.521 | ug/l | | 95 |
| 85) sec-Butylbenzene | 11.890 | 105 | 283583 | 50.661 | ug/l | | 97 |
| 86) p-Isopropyltoluene | 12.012 | 119 | 231142 | 51.113 | ug/l | | 95 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 111068 | 50.419 | ug/l | | 97 |
| 88) 1,4-Dichlorobenzene | 12.043 | 146 | 111382 | 49.165 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.335 | 91 | 209811 | 53.811 | ug/l | | 98 |
| 90) Hexachloroethane | 12.536 | 117 | 40889 | 52.624 | ug/l | | 94 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 105110 | 48.655 | ug/l | | 96 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 21178 | 45.295 | ug/l | | 89 |
| 93) 1,2,4-Trichlorobenzene | 13.591 | 180 | 68134 | 53.933 | ug/l | | 96 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 27651 | 51.544 | ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 250977 | 50.714 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 66899 | 52.013 | ug/l | | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

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

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