Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031023\
Data File : VX034416.D
Acq On : 10 Mar 2023 14:10
Operator : JC/MD
Sample : IBLK
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
IBLK

Quant Time: Mar 11 04:24:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 11 04:19:20 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 294917 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 510857 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 448603 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 200017 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 210591 | 49.084 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 98.160% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 161922 | 48.006 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 96.020% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 614222 | 48.781 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 97.560% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 224824 | 44.205 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 88.420% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 984 | 0.363 | ug/l | 98 |
| 3) Chloromethane | 1.294 | 50 | 2567 | 0.582 | ug/l | 91 |
| 4) Vinyl Chloride | 1.374 | 62 | 991 | 0.268 | ug/l # | 1 |
| 5) Bromomethane | 1.611 | 94 | 1385 | 0.732 | ug/l | 95 |
| 6) Chloroethane | 1.691 | 64 | 640 | 0.291 | ug/l # | 82 |
| 7) Trichlorofluoromethane | 1.886 | 101 | 1422 | 0.255 | ug/l # | 76 |
| 8) Diethyl Ether | 2.136 | 74 | 98 | 0.048 | ug/l # | 1 |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 1539 | 0.468 | ug/l | 97 |
| 10) Methyl Iodide | 2.459 | 142 | 2628 | 0.611 | ug/l | 93 |
| 11) Tert butyl alcohol | 2.946 | 59 | 7478 | 8.370 | ug/l # | 76 |
| 12) 1,1-Dichloroethene | 2.319 | 96 | 1177 | 0.366 | ug/l # | 79 |
| 13) Acrolein | 2.233 | 56 | 1385 | 1.960 | ug/l | 84 |
| 14) Allyl chloride | 2.672 | 41 | 2067 | 0.316 | ug/l # | 80 |
| 15) Acrylonitrile | 3.068 | 53 | 2502 | 1.272 | ug/l | 97 |
| 16) Acetone | 2.373 | 43 | 2859 | 1.431 | ug/l # | 73 |
| 17) Carbon Disulfide | 2.514 | 76 | 16098 | 1.801 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 1440 | 0.213 | ug/l # | 83 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 352 | 0.030 | ug/l # | 52 |
| 20) Methylene Chloride | 2.794 | 84 | 1774 | 0.442 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 2600 | 0.721 | ug/l # | 87 |
| 22) Diisopropyl ether | 3.757 | 45 | 584 | 0.047 | ug/l # | 1 |
| 23) Vinyl Acetate | 3.727 | 43 | 4136 | 0.436 | ug/l | 94 |
| 24) 1,1-Dichloroethane | 3.617 | 63 | 550 | 0.082 | ug/l # | 81 |
| 25) 2-Butanone | 4.580 | 43 | 1346 | 0.458 | ug/l # | 86 |
| 26) 2,2-Dichloropropane | 4.477 | 77 | 324 | 0.056 | ug/l # | 53 |
| 27) cis-1,2-Dichloroethene | 4.495 | 96 | 1337 | 0.315 | ug/l | 85 |
| 28) Bromochloromethane | 4.897 | 49 | 767 | 0.242 | ug/l # | 15 |
| 29) Tetrahydrofuran | 5.019 | 42 | 393 | 0.217 | ug/l # | 64 |
| 30) Chloroform | 5.092 | 83 | 728 | 0.108 | ug/l # | 81 |
| 31) Cyclohexane | 5.476 | 56 | 1992 | 0.331 | ug/l # | 87 |
| 32) 1,1,1-Trichloroethane | 5.385 | 97 | 141 | 0.024 | ug/l # | 23 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 2720 | 0.528 | ug/l | 95 |
| 37) Ethyl Acetate | 4.696 | 43 | 247 | 0.043 | ug/l # | 70 |
| 38) Carbon Tetrachloride | 5.684 | 117 | 1023 | 0.201 | ug/l # | 64 |
| 39) Methylcyclohexane | 7.385 | 83 | 2305 | 0.376 | ug/l # | 81 |
| 40) Benzene | 6.043 | 78 | 2701 | 0.179 | ug/l | 100 |

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
IBLK

Quant Time: Mar 11 04:24:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 11 04:19:20 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.903 | 41 | 36 | 0.012 | ug/l | # | 24 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 1322 | 0.237 | ug/l | # | 75 |
| 43) Isopropyl Acetate | 6.318 | 43 | 48 | 0.005 | ug/l | # | 62 |
| 44) Trichloroethene | 7.129 | 130 | 1944 | 0.498 | ug/l | | 92 |
| 45) 1,2-Dichloropropane | 7.433 | 63 | 290 | 0.073 | ug/l | # | 44 |
| 46) Dibromomethane | 7.586 | 93 | 845 | 0.312 | ug/l | # | 49 |
| 47) Bromodichloromethane | 7.824 | 83 | 468 | 0.089 | ug/l | # | 88 |
| 48) Methyl methacrylate | 7.720 | 41 | 616 | 0.133 | ug/l | # | 38 |
| 49) 1,4-Dioxane | 7.671 | 88 | 107 | 1.104 | ug/l | # | 30 |
| 51) 4-Methyl-2-Pentanone | 8.580 | 43 | 1111 | 0.199 | ug/l | | 95 |
| 52) Toluene | 8.726 | 92 | 2036 | 0.217 | ug/l | | 96 |
| 53) t-1,3-Dichloropropene | 8.994 | 75 | 1686 | 0.287 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.378 | 75 | 1386 | 0.218 | ug/l | # | 92 |
| 55) 1,1,2-Trichloroethane | 9.165 | 97 | 318 | 0.084 | ug/l | # | 70 |
| 56) Ethyl methacrylate | 9.134 | 69 | 272 | 0.045 | ug/l | # | 87 |
| 57) 1,3-Dichloropropane | 9.311 | 76 | 606 | 0.092 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.256 | 63 | 1252 | 0.404 | ug/l | | 99 |
| 59) 2-Hexanone | 9.439 | 43 | 1533 | 0.359 | ug/l | | 86 |
| 60) Dibromochloromethane | 9.525 | 129 | 545 | 0.139 | ug/l | # | 52 |
| 61) 1,2-Dibromoethane | 9.616 | 107 | 925 | 0.229 | ug/l | | 82 |
| 64) Tetrachloroethene | 9.281 | 164 | 1546 | 0.501 | ug/l | | 88 |
| 65) Chlorobenzene | 10.079 | 112 | 2876 | 0.291 | ug/l | | 94 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 280 | 0.079 | ug/l | # | 53 |
| 67) Ethyl Benzene | 10.201 | 91 | 4342 | 0.248 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.305 | 106 | 3643 | 0.538 | ug/l | | 85 |
| 69) o-Xylene | 10.646 | 106 | 1258 | 0.190 | ug/l | | 90 |
| 70) Styrene | 10.658 | 104 | 2852 | 0.260 | ug/l | | 94 |
| 71) Bromoform | 10.799 | 173 | 201 | 0.073 | ug/l | # | 29 |
| 73) Isopropylbenzene | 10.963 | 105 | 4129 | 0.269 | ug/l | | 96 |
| 74) N-amyl acetate | 10.854 | 43 | 884 | 0.120 | ug/l | # | 78 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 601 | 0.116 | ug/l | # | 94 |
| 77) Bromobenzene | 11.201 | 156 | 1510 | 0.402 | ug/l | | 91 |
| 78) n-propylbenzene | 11.305 | 91 | 7089 | 0.392 | ug/l | | 97 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 3893 | 0.348 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 3970 | 0.304 | ug/l | | 93 |
| 82) 4-Chlorotoluene | 11.457 | 91 | 6185 | 0.480 | ug/l | | 92 |
| 83) tert-Butylbenzene | 11.719 | 119 | 3522 | 0.272 | ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 11.756 | 105 | 4394 | 0.333 | ug/l | | 97 |
| 85) sec-Butylbenzene | 11.890 | 105 | 6015 | 0.381 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.012 | 119 | 5471 | 0.411 | ug/l | | 88 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 4403 | 0.601 | ug/l | | 96 |
| 88) 1,4-Dichlorobenzene | 11.969 | 146 | 4403 | 0.589 | ug/l | | 97 |
| 89) n-Butylbenzene | 12.335 | 91 | 7245 | 0.607 | ug/l | | 96 |
| 90) Hexachloroethane | 12.542 | 117 | 608 | 0.249 | ug/l | | 95 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 2908 | 0.409 | ug/l | | 95 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 222 | 0.192 | ug/l | | 79 |
| 93) 1,2,4-Trichlorobenzene | 13.591 | 180 | 5242 | 1.152 | ug/l | | 97 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 6011 | 3.342 | ug/l | | 96 |
| 95) Naphthalene | 13.780 | 128 | 11974 | 0.806 | ug/l | | 97 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 4862 | 1.103 | ug/l | | 92 |

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