

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122623\  
 Data File : VX039483.D  
 Acq On : 26 Dec 2023 21:09  
 Operator : JC/MD  
 Sample : VSTDC0050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: Dec 27 04:45:16 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 14 01:28:15 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 107727   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.763  | 114  | 203870   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 194214   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 96096    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 98298    | 49.809   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 99.620%  |
| 35) Dibromofluoromethane    | 5.385  | 113   | 71483    | 50.754   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 101.500% |
| 50) Toluene-d8              | 8.647  | 98    | 269202   | 51.484   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 102.960% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 107596   | 49.873   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 99.740%  |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        | Qvalue  |        |     |
| 2) Dichlorodifluoromethane   | 1.166 | 85  | 75635  | 49.965  | ug/l   | 99  |
| 3) Chloromethane             | 1.294 | 50  | 86958  | 51.817  | ug/l   | 98  |
| 4) Vinyl Chloride            | 1.374 | 62  | 80150  | 51.353  | ug/l   | 100 |
| 5) Bromomethane              | 1.599 | 94  | 47081  | 52.432  | ug/l   | 100 |
| 6) Chloroethane              | 1.685 | 64  | 48176  | 51.221  | ug/l   | 95  |
| 7) Trichlorofluoromethane    | 1.886 | 101 | 115837 | 50.685  | ug/l   | 99  |
| 8) Diethyl Ether             | 2.130 | 74  | 43548  | 55.056  | ug/l   | 98  |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 70079  | 50.249  | ug/l   | 96  |
| 10) Methyl Iodide            | 2.453 | 142 | 70679  | 49.030  | ug/l   | 95  |
| 11) Tert butyl alcohol       | 2.959 | 59  | 128249 | 258.789 | ug/l # | 92  |
| 12) 1,1-Dichloroethene       | 2.319 | 96  | 68096  | 49.155  | ug/l   | 96  |
| 13) Acrolein                 | 2.233 | 56  | 78423  | 198.363 | ug/l   | 98  |
| 14) Allyl chloride           | 2.660 | 41  | 139364 | 49.660  | ug/l   | 96  |
| 15) Acrylonitrile            | 3.062 | 53  | 268107 | 270.282 | ug/l   | 99  |
| 16) Acetone                  | 2.374 | 43  | 270539 | 234.968 | ug/l   | 93  |
| 17) Carbon Disulfide         | 2.514 | 76  | 181446 | 44.758  | ug/l   | 100 |
| 18) Methyl Acetate           | 2.703 | 43  | 238046 | 55.768  | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 252272 | 50.352  | ug/l   | 97  |
| 20) Methylene Chloride       | 2.788 | 84  | 83229  | 50.591  | ug/l   | 95  |
| 21) trans-1,2-Dichloroethene | 3.093 | 96  | 73193  | 48.555  | ug/l   | 99  |
| 22) Diisopropyl ether        | 3.757 | 45  | 269470 | 52.750  | ug/l   | 95  |
| 23) Vinyl Acetate            | 3.721 | 43  | 990909 | 260.553 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 146887 | 50.866  | ug/l   | 99  |
| 25) 2-Butanone               | 4.550 | 43  | 401695 | 235.880 | ug/l   | 100 |
| 26) 2,2-Dichloropropane      | 4.477 | 77  | 109181 | 43.307  | ug/l   | 97  |
| 27) cis-1,2-Dichloroethene   | 4.489 | 96  | 86143  | 51.774  | ug/l   | 99  |
| 28) Bromochloromethane       | 4.891 | 49  | 78335  | 55.596  | ug/l   | 93  |
| 29) Tetrahydrofuran          | 5.001 | 42  | 263760 | 280.460 | ug/l   | 98  |
| 30) Chloroform               | 5.093 | 83  | 144980 | 50.240  | ug/l   | 95  |
| 31) Cyclohexane              | 5.471 | 56  | 127213 | 49.908  | ug/l   | 96  |
| 32) 1,1,1-Trichloroethane    | 5.379 | 97  | 123643 | 49.355  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 5.690 | 75  | 104378 | 46.963  | ug/l   | 99  |
| 37) Ethyl Acetate            | 4.708 | 43  | 144404 | 52.590  | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 5.678 | 117 | 100213 | 47.248  | ug/l   | 98  |
| 39) Methylcyclohexane        | 7.379 | 83  | 129464 | 48.494  | ug/l   | 97  |
| 40) Benzene                  | 6.038 | 78  | 311540 | 49.553  | ug/l   | 99  |

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 Data File : VX039483.D  
 Acq On : 26 Dec 2023 21:09  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Dec 27 04:45:16 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 14 01:28:15 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 77686    | 53.026   | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 123597   | 48.566   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.336  | 43   | 228168   | 51.100   | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 74206    | 46.773   | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 87180    | 51.668   | ug/l   | 98       |
| 46) Dibromomethane            | 7.580  | 93   | 58830    | 49.599   | ug/l   | 94       |
| 47) Bromodichloromethane      | 7.818  | 83   | 113527   | 50.059   | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.690  | 41   | 135920   | 52.069   | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 41253    | 1172.392 | ug/l # | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 775051   | 272.430  | ug/l   | 98       |
| 52) Toluene                   | 8.720  | 92   | 190692   | 50.253   | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 118246   | 47.359   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 128909   | 47.984   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 80687    | 50.933   | ug/l   | 93       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 103224   | 53.376   | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 139026   | 50.763   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 314960   | 277.357  | ug/l   | 93       |
| 59) 2-Hexanone                | 9.427  | 43   | 625320   | 254.681  | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 79494    | 49.617   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 86691    | 51.261   | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 59278    | 46.708   | ug/l   | 93       |
| 65) Chlorobenzene             | 10.079 | 112  | 199746   | 47.120   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 71982    | 48.072   | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 381351   | 48.328   | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 275211   | 97.274   | ug/l   | 95       |
| 69) o-Xylene                  | 10.640 | 106  | 133696   | 48.875   | ug/l   | 95       |
| 70) Styrene                   | 10.653 | 104  | 197598   | 49.411   | ug/l   | 96       |
| 71) Bromoform                 | 10.799 | 173  | 53284    | 47.874   | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 359063   | 48.429   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 199401   | 53.156   | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 142139   | 51.535   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 122394m  | 49.230   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 78401    | 47.819   | ug/l   | 90       |
| 78) n-propylbenzene           | 11.305 | 91   | 439081   | 48.066   | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 260088   | 47.070   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 311289   | 49.285   | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 40441    | 45.887   | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 303515   | 46.767   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 290830   | 48.383   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 317825   | 49.069   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 370097   | 48.385   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 311572   | 48.537   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 149342   | 46.365   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 150139   | 44.767   | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 303163   | 48.042   | ug/l   | 95       |
| 90) Hexachloroethane          | 12.536 | 117  | 55050    | 47.474   | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 145788   | 47.304   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 36522    | 50.273   | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 90263    | 44.728   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 35911    | 47.220   | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 349230   | 49.691   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 90646    | 46.529   | ug/l   | 99       |

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Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Dec 27 04:45:16 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 14 01:28:15 2023  
Response via : Initial Calibration

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

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

