

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122623\  
 Data File : VX039459.D  
 Acq On : 26 Dec 2023 12:01  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Dec 26 15:50:49 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  | 119548   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 214429   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 196082   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 95920    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 105596   | 48.217   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 96.440%  |
| 35) Dibromofluoromethane    | 5.379  | 113   | 76197    | 51.437   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 102.880% |
| 50) Toluene-d8              | 8.647  | 98    | 284328   | 51.699   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 103.400% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 111197   | 49.004   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 98.000%  |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.166 | 85  | 81250   | 48.367  | ug/l   | 98  |
| 3) Chloromethane             | 1.294 | 50  | 88585   | 47.567  | ug/l   | 98  |
| 4) Vinyl Chloride            | 1.374 | 62  | 83511   | 48.216  | ug/l   | 99  |
| 5) Bromomethane              | 1.599 | 94  | 42557   | 42.708  | ug/l   | 95  |
| 6) Chloroethane              | 1.678 | 64  | 51588   | 49.425  | ug/l   | 97  |
| 7) Trichlorofluoromethane    | 1.880 | 101 | 123864  | 48.839  | ug/l   | 97  |
| 8) Diethyl Ether             | 2.130 | 74  | 44900   | 51.152  | ug/l   | 97  |
| 9) 1,1,2-Trichlorotrifluo... | 2.325 | 101 | 76047   | 49.136  | ug/l   | 98  |
| 10) Methyl Iodide            | 2.453 | 142 | 73503   | 45.948  | ug/l   | 94  |
| 11) Tert butyl alcohol       | 2.959 | 59  | 133235  | 242.266 | ug/l # | 92  |
| 12) 1,1-Dichloroethene       | 2.319 | 96  | 72902   | 47.421  | ug/l   | 93  |
| 13) Acrolein                 | 2.233 | 56  | 102105  | 232.727 | ug/l   | 100 |
| 14) Allyl chloride           | 2.660 | 41  | 146949  | 47.185  | ug/l   | 97  |
| 15) Acrylonitrile            | 3.062 | 53  | 281751  | 255.951 | ug/l   | 99  |
| 16) Acetone                  | 2.373 | 43  | 416192  | 336.710 | ug/l   | 94  |
| 17) Carbon Disulfide         | 2.508 | 76  | 200135  | 44.486  | ug/l   | 100 |
| 18) Methyl Acetate           | 2.697 | 43  | 245482  | 51.823  | ug/l   | 100 |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 270468  | 48.646  | ug/l   | 98  |
| 20) Methylene Chloride       | 2.788 | 84  | 86034   | 47.125  | ug/l   | 97  |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 78415   | 46.875  | ug/l   | 98  |
| 22) Diisopropyl ether        | 3.757 | 45  | 282582  | 49.847  | ug/l   | 89  |
| 23) Vinyl Acetate            | 3.715 | 43  | 1074925 | 254.697 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 153719  | 47.968  | ug/l   | 99  |
| 25) 2-Butanone               | 4.550 | 43  | 486346  | 257.348 | ug/l   | 99  |
| 26) 2,2-Dichloropropane      | 4.471 | 77  | 127641  | 45.623  | ug/l   | 98  |
| 27) cis-1,2-Dichloroethene   | 4.489 | 96  | 88516   | 47.940  | ug/l   | 98  |
| 28) Bromochloromethane       | 4.891 | 49  | 85007   | 54.365  | ug/l   | 92  |
| 29) Tetrahydrofuran          | 4.995 | 42  | 274886  | 263.388 | ug/l   | 99  |
| 30) Chloroform               | 5.086 | 83  | 153938  | 48.069  | ug/l   | 99  |
| 31) Cyclohexane              | 5.464 | 56  | 135348  | 47.849  | ug/l   | 98  |
| 32) 1,1,1-Trichloroethane    | 5.379 | 97  | 133973  | 48.190  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 5.690 | 75  | 111208  | 47.572  | ug/l   | 99  |
| 37) Ethyl Acetate            | 4.708 | 43  | 151133  | 52.330  | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 5.672 | 117 | 106731  | 47.843  | ug/l   | 95  |
| 39) Methylcyclohexane        | 7.379 | 83  | 141122  | 50.257  | ug/l   | 99  |
| 40) Benzene                  | 6.031 | 78  | 328959  | 49.747  | ug/l   | 97  |

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 Acq On : 26 Dec 2023 12:01  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Dec 26 15:50:49 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         | 4.916  | 41   | 81738    | 53.044   | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 130890   | 48.899   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 242673   | 51.672   | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 78655    | 47.136   | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 89901    | 50.657   | ug/l   | 97       |
| 46) Dibromomethane            | 7.580  | 93   | 62476    | 50.079   | ug/l   | 95       |
| 47) Bromodichloromethane      | 7.818  | 83   | 120128   | 50.361   | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.690  | 41   | 143607   | 52.304   | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.653  | 88   | 44010    | 1189.155 | ug/l # | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 808405   | 270.161  | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 200059   | 50.125   | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 132779   | 50.561   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 141975   | 50.245   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 86191    | 51.728   | ug/l   | 96       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 109318   | 53.743   | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 147340   | 51.150   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 292705   | 245.066  | ug/l   | 94       |
| 59) 2-Hexanone                | 9.427  | 43   | 694305   | 268.852  | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.518  | 129  | 86133    | 51.114   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 91217    | 51.281   | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.269  | 164  | 61364    | 47.891   | ug/l   | 93       |
| 65) Chlorobenzene             | 10.079 | 112  | 207730   | 48.537   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 76812    | 50.809   | ug/l   | 97       |
| 67) Ethyl Benzene             | 10.189 | 91   | 399397   | 50.133   | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 287053   | 100.493  | ug/l   | 94       |
| 69) o-Xylene                  | 10.640 | 106  | 141693   | 51.305   | ug/l   | 95       |
| 70) Styrene                   | 10.652 | 104  | 208684   | 51.686   | ug/l   | 96       |
| 71) Bromoform                 | 10.799 | 173  | 58417    | 51.986   | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.963 | 105  | 381547   | 51.556   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 213616   | 57.050   | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 151040   | 54.862   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 130402m  | 52.547   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 83661    | 51.121   | ug/l   | 92       |
| 78) n-propylbenzene           | 11.305 | 91   | 462391   | 50.711   | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 275842   | 50.013   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 325978   | 51.705   | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 46094    | 52.398   | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 323120   | 49.879   | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 312873   | 52.145   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 331495   | 51.273   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 389889   | 51.066   | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 324839   | 50.696   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 158370   | 49.258   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 159873   | 47.757   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 312822   | 49.663   | ug/l   | 96       |
| 90) Hexachloroethane          | 12.536 | 117  | 58882    | 50.872   | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 154313   | 50.162   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 38983    | 53.759   | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 94825    | 47.074   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 36368    | 47.908   | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 369932   | 52.734   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 93996    | 48.337   | ug/l   | 98       |

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Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Quant Time: Dec 26 15:50:49 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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
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