

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060322\  
 Data File : VX029184.D  
 Acq On : 03 Jun 2022 12:55  
 Operator : JC/MD  
 Sample : VX0603WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0603WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 06/06/2022  
 Supervised By : Mahesh Dadoda 06/06/2022

Quant Time: Jun 06 02:34:15 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X053122W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 01 04:45:42 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 288573              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 475548              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 436474              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 216763              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 173313              | 53.260  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 106.520% |         |        |          |
| 35) Dibromofluoromethane     | 5.391          | 113  | 153491              | 48.593  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 97.180%  |         |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 565229              | 48.926  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 97.860%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 213573              | 47.825  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 95.660%  |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 53785               | 21.436  | ug/l   | 99       |
| 3) Chloromethane             | 1.288          | 50   | 50427               | 19.207  | ug/l   | 96       |
| 4) Vinyl Chloride            | 1.373          | 62   | 56613               | 19.609  | ug/l   | 98       |
| 5) Bromomethane              | 1.611          | 94   | 30501               | 20.547  | ug/l   | 98       |
| 6) Chloroethane              | 1.684          | 64   | 35805               | 15.872  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 88509               | 19.725  | ug/l   | 96       |
| 8) Diethyl Ether             | 2.135          | 74   | 35205               | 20.471  | ug/l   | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 56357               | 21.177  | ug/l   | 99       |
| 10) Methyl Iodide            | 2.452          | 142  | 62739               | 21.832  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 2.977          | 59   | 85544               | 113.480 | ug/l   | 96       |
| 12) 1,1-Dichloroethene       | 2.318          | 96   | 52532               | 20.198  | ug/l   | 92       |
| 13) Acrolein                 | 2.239          | 56   | 31786               | 93.063  | ug/l   | 97       |
| 14) Allyl chloride           | 2.666          | 41   | 81187               | 20.784  | ug/l   | 95       |
| 15) Acrylonitrile            | 3.068          | 53   | 175371              | 112.988 | ug/l   | 100      |
| 16) Acetone                  | 2.385          | 43   | 149219              | 116.453 | ug/l   | 98       |
| 17) Carbon Disulfide         | 2.513          | 76   | 119483              | 16.749  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.709          | 43   | 77940               | 23.518  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 191806              | 21.736  | ug/l   | 98       |
| 20) Methylene Chloride       | 2.788          | 84   | 67643               | 22.642  | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 59492               | 20.275  | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.763          | 45   | 176103              | 22.540  | ug/l   | 91       |
| 23) Vinyl Acetate            | 3.727          | 43   | 751285              | 115.141 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 103417              | 21.395  | ug/l   | 99       |
| 25) 2-Butanone               | 4.562          | 43   | 234442              | 113.421 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.483          | 77   | 77250               | 19.480  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 70773               | 20.225  | ug/l   | 94       |
| 28) Bromochloromethane       | 4.903          | 49   | 47869               | 24.612  | ug/l   | 98       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 150839              | 113.796 | ug/l   | 97       |
| 30) Chloroform               | 5.092          | 83   | 113186              | 21.122  | ug/l   | 95       |
| 31) Cyclohexane              | 5.470          | 56   | 90856               | 21.476  | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 96897               | 19.969  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 81531               | 20.060  | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.720          | 43   | 84984               | 21.575  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.684          | 117  | 83028               | 17.875  | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.385          | 83   | 101231              | 20.149  | ug/l   | 98       |
| 40) Benzene                  | 6.043          | 78   | 242704              | 20.162  | ug/l   | 98       |

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 Sample : VX0603WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0603WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 06/06/2022  
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Quant Time: Jun 06 02:34:15 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X053122W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 01 04:45:42 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 46839    | 22.016  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 85362    | 20.911  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 126116   | 20.466  | ug/l   | 99       |
| 44) Trichloroethene           | 7.128  | 130  | 68285    | 18.695  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.433  | 63   | 62609    | 21.582  | ug/l   | 100      |
| 46) Dibromomethane            | 7.580  | 93   | 45546    | 20.154  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.823  | 83   | 84725    | 19.018  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.695  | 41   | 65999    | 22.018  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 7.683  | 88   | 36220    | 394.884 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 440062   | 107.369 | ug/l   | 99       |
| 52) Toluene                   | 8.720  | 92   | 164548   | 20.464  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 82019    | 17.913  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 97286    | 19.419  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 9.152  | 97   | 69696    | 20.830  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 99231    | 20.894  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 110680   | 20.753  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 234655   | 104.263 | ug/l   | 96       |
| 59) 2-Hexanone                | 9.433  | 43   | 339314   | 106.378 | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.524  | 129  | 64059    | 16.822  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 72256    | 19.967  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.274  | 164  | 62691    | 19.076  | ug/l   | 95       |
| 65) Chlorobenzene             | 10.079 | 112  | 174908   | 19.507  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 63614    | 18.405  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 303645   | 20.154  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.305 | 106  | 239624   | 39.604  | ug/l   | 99       |
| 69) o-Xylene                  | 10.646 | 106  | 116303   | 19.450  | ug/l   | 99       |
| 70) Styrene                   | 10.658 | 104  | 197983   | 19.894  | ug/l   | 99       |
| 71) Bromoform                 | 10.805 | 173  | 44313    | 14.850  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 309003   | 21.213  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.847 | 43   | 101691   | 21.560  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 104797   | 21.341  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 94632m   | 21.536  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 71918    | 18.511  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.305 | 91   | 351928   | 21.722  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 213818   | 20.880  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 265860   | 21.319  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 25492    | 17.020  | ug/l   | 87       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 243442   | 20.767  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.719 | 119  | 254411   | 19.960  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 263935   | 21.203  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 316359   | 21.142  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 271821   | 20.777  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 138904   | 18.970  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 140970   | 18.683  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.335 | 91   | 225943   | 21.282  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.542 | 117  | 39107    | 16.441  | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 140156   | 19.431  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.944 | 75   | 21757    | 19.844  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 84169    | 18.712  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 35231    | 18.371  | ug/l   | 93       |
| 95) Naphthalene               | 13.780 | 128  | 307616   | 21.386  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 86456    | 19.464  | ug/l   | 96       |

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Sample : VX0603WBSD01  
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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0603WBSD01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 06/06/2022  
Supervised By :Mahesh Dadoda 06/06/2022

Quant Time: Jun 06 02:34:15 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X053122W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 01 04:45:42 2022  
Response via : Initial Calibration

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

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

