

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082322\  
 Data File : VX030723.D  
 Acq On : 23 Aug 2022 11:44  
 Operator : JC/MD  
 Sample : VX0823WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0823WBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 08/24/2022  
 Supervised By :Mahesh Dadoda 08/24/2022

Quant Time: Aug 24 00:45:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072522W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 25 16:49:17 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 136132     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769          | 114  | 232560     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 234839     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 150255     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 131669     | 48.122   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 96.240%  |        |          |
| 35) Dibromofluoromethane     | 5.391          | 113  | 119044     | 53.547   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 107.100% |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 433872     | 50.395   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 100.780% |        |          |
| 62) 4-Bromofluorobenzene     | 11.085         | 95   | 159751     | 49.997   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 100.000% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 46450      | 20.794   | ug/l   | 97       |
| 3) Chloromethane             | 1.288          | 50   | 42496      | 19.238   | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.374          | 62   | 45441      | 20.382   | ug/l   | 96       |
| 5) Bromomethane              | 1.611          | 94   | 15459      | 15.834   | ug/l   | 97       |
| 6) Chloroethane              | 1.684          | 64   | 28176      | 22.010   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 66854      | 22.760   | ug/l   | 95       |
| 8) Diethyl Ether             | 2.136          | 74   | 27224      | 23.668   | ug/l   | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 45355      | 20.847   | ug/l   | 99       |
| 10) Methyl Iodide            | 2.453          | 142  | 26260      | 13.532   | ug/l   | 94       |
| 11) Tert butyl alcohol       | 2.983          | 59   | 65032      | 97.436   | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.318          | 96   | 40543      | 19.065   | ug/l   | 97       |
| 13) Acrolein                 | 2.239          | 56   | 3120       | 19.019   | ug/l   | 94       |
| 14) Allyl chloride           | 2.666          | 41   | 72556      | 16.534   | ug/l   | 96       |
| 15) Acrylonitrile            | 3.068          | 53   | 145647     | 88.305   | ug/l   | 98       |
| 16) Acetone                  | 2.386          | 43   | 111961     | 79.924   | ug/l   | 97       |
| 17) Carbon Disulfide         | 2.507          | 76   | 99195      | 17.280   | ug/l   | 98       |
| 18) Methyl Acetate           | 2.709          | 43   | 73594      | 17.762   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 146042     | 20.048   | ug/l   | 97       |
| 20) Methylene Chloride       | 2.788          | 84   | 51842      | 20.073   | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 44321      | 18.882   | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.763          | 45   | 152872     | 18.412   | ug/l   | 92       |
| 23) Vinyl Acetate            | 3.727          | 43   | 607653     | 84.369   | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 87491      | 19.830   | ug/l   | 98       |
| 25) 2-Butanone               | 4.562          | 43   | 192076     | 81.595   | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 63715      | 19.971   | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 54614      | 19.786   | ug/l   | 99       |
| 28) Bromochloromethane       | 4.897          | 49   | 39850      | 21.380   | ug/l   | 100      |
| 29) Tetrahydrofuran          | 5.013          | 42   | 122734     | 77.490   | ug/l   | 96       |
| 30) Chloroform               | 5.098          | 83   | 91933      | 21.045   | ug/l   | 95       |
| 31) Cyclohexane              | 5.476          | 56   | 69183      | 17.415   | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 76634      | 21.582   | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 61517      | 19.228   | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.720          | 43   | 73212      | 16.159   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 64926      | 21.738   | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.379          | 83   | 75515      | 18.286   | ug/l   | 93       |
| 40) Benzene                  | 6.043          | 78   | 194803     | 19.352   | ug/l   | 99       |

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 Quant Title : SW846 8260  
 QLast Update : Mon Jul 25 16:49:17 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 38945    | 16.036  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 64863    | 18.648  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 111320   | 16.761  | ug/l   | 98       |
| 44) Trichloroethene           | 7.129  | 130  | 54493    | 19.812  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 7.433  | 63   | 52765    | 19.653  | ug/l   | 98       |
| 46) Dibromomethane            | 7.586  | 93   | 37598    | 20.593  | ug/l   | 94       |
| 47) Bromodichloromethane      | 7.824  | 83   | 74389    | 22.412  | ug/l   | 94       |
| 48) Methyl methacrylate       | 7.696  | 41   | 55526    | 16.985  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 7.683  | 88   | 28866    | 382.306 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 375730   | 83.329  | ug/l   | 95       |
| 52) Toluene                   | 8.720  | 92   | 121040   | 19.709  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 72660    | 20.308  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 81204    | 20.827  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 54306    | 20.768  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 79125    | 19.142  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 86296    | 19.993  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 215751   | 105.167 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 288076   | 80.981  | ug/l   | 96       |
| 60) Dibromochloromethane      | 9.524  | 129  | 56567    | 23.369  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 55088    | 20.176  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.275  | 164  | 48200    | 19.065  | ug/l   | 95       |
| 65) Chlorobenzene             | 10.079 | 112  | 133817   | 20.977  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 49170    | 22.674  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 234914   | 24.030  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.305 | 106  | 178339   | 41.268  | ug/l   | 96       |
| 69) o-Xylene                  | 10.646 | 106  | 87915    | 20.641  | ug/l   | 95       |
| 70) Styrene                   | 10.658 | 104  | 147951   | 21.143  | ug/l   | 99       |
| 71) Bromoform                 | 10.805 | 173  | 39278    | 24.637  | ug/l # | 96       |
| 73) Isopropylbenzene          | 10.963 | 105  | 230705   | 19.668  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 89204    | 15.647  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 82064    | 19.114  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 76685m   | 19.362  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 52621    | 19.113  | ug/l   | 93       |
| 78) n-propylbenzene           | 11.305 | 91   | 276059   | 19.719  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 169336   | 19.154  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 198921   | 20.253  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 26015    | 19.705  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 187522   | 19.413  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.719 | 119  | 188528   | 20.709  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 201917   | 20.606  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 258732   | 20.764  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 211439   | 21.210  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 104302   | 19.480  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 110581   | 20.288  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.335 | 91   | 195966   | 21.114  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.542 | 117  | 41904    | 24.414  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 109591   | 20.853  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 21096    | 20.487  | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 65809    | 21.593  | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 26576    | 21.717  | ug/l   | 99       |
| 95) Naphthalene               | 13.780 | 128  | 250861   | 21.072  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 68582    | 21.942  | ug/l   | 99       |

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Reviewed By :Krupa Patel 08/24/2022  
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Quant Time: Aug 24 00:45:43 2022  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

