

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011723\  
 Data File : VX033757.D  
 Acq On : 17 Jan 2023 13:38  
 Operator : JC/MD  
 Sample : VX0117WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0117WBS01

Quant Time: Jan 18 04:06:32 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011123W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 11 14:48:42 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 01/18/2023  
 Supervised By : Mahesh Dadoda 01/18/2023

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 178796     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 255766     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 230885     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 120180     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 86485      | 45.940  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 91.880% |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 77240      | 48.635  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 97.260% |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 280166     | 48.417  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 96.840% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 103075     | 47.977  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 95.960% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 24345      | 17.230  | ug/l   | 97       |
| 3) Chloromethane             | 1.294          | 50   | 22294      | 14.282  | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.374          | 62   | 22278      | 14.709  | ug/l   | 97       |
| 5) Bromomethane              | 1.618          | 94   | 16688      | 19.176  | ug/l   | 96       |
| 6) Chloroethane              | 1.691          | 64   | 17586      | 18.780  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 45703      | 18.607  | ug/l   | 98       |
| 8) Diethyl Ether             | 2.130          | 74   | 15847      | 19.704  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 21686      | 15.818  | ug/l   | 99       |
| 10) Methyl Iodide            | 2.453          | 142  | 30027      | 15.120  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 3.020          | 59   | 27403      | 83.792  | ug/l # | 93       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 19809      | 13.616  | ug/l   | 94       |
| 13) Acrolein                 | 2.239          | 56   | 32147      | 106.538 | ug/l   | 96       |
| 14) Allyl chloride           | 2.660          | 41   | 38323      | 13.966  | ug/l   | 100      |
| 15) Acrylonitrile            | 3.069          | 53   | 78650      | 91.380  | ug/l   | 100      |
| 16) Acetone                  | 2.398          | 43   | 64909      | 86.787  | ug/l   | 97       |
| 17) Carbon Disulfide         | 2.514          | 76   | 47928      | 14.365  | ug/l   | 96       |
| 18) Methyl Acetate           | 2.709          | 43   | 39544      | 15.051  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 94424      | 18.687  | ug/l   | 98       |
| 20) Methylene Chloride       | 2.788          | 84   | 24823      | 13.327  | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 29714      | 17.471  | ug/l   | 95       |
| 22) Diisopropyl ether        | 3.751          | 45   | 100013     | 18.116  | ug/l # | 86       |
| 23) Vinyl Acetate            | 3.721          | 43   | 381777     | 91.860  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 53151      | 17.597  | ug/l   | 100      |
| 25) 2-Butanone               | 4.568          | 43   | 108860     | 88.502  | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 36908      | 17.059  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 35275      | 18.041  | ug/l   | 98       |
| 28) Bromochloromethane       | 4.897          | 49   | 25789      | 18.744  | ug/l   | 95       |
| 29) Tetrahydrofuran          | 5.013          | 42   | 68173      | 87.937  | ug/l   | 98       |
| 30) Chloroform               | 5.086          | 83   | 54551      | 17.633  | ug/l   | 98       |
| 31) Cyclohexane              | 5.471          | 56   | 47182      | 17.032  | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 44989      | 17.033  | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 40072      | 17.288  | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.708          | 43   | 41800      | 17.014  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 40577      | 16.903  | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.379          | 83   | 50776      | 17.739  | ug/l   | 98       |
| 40) Benzene                  | 6.037          | 78   | 120398     | 17.821  | ug/l   | 100      |

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 Sample : VX0117WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0117WBS01

Manual Integrations  
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Reviewed By : John Carlone 01/18/2023  
 Supervised By : Mahesh Dadoda 01/18/2023

Quant Time: Jan 18 04:06:32 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011123W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 11 14:48:42 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 24480    | 19.165  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 43132    | 18.015  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.336  | 43   | 64675    | 17.675  | ug/l   | 98       |
| 44) Trichloroethene           | 7.123  | 130  | 34900    | 18.473  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 31013    | 18.325  | ug/l   | 100      |
| 46) Dibromomethane            | 7.580  | 93   | 21399    | 18.102  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.818  | 83   | 41091    | 18.037  | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.690  | 41   | 33621    | 18.240  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 7.726  | 88   | 14344    | 351.805 | ug/l # | 100      |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 207863   | 92.496  | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 79358    | 18.189  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 41563    | 18.243  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 46986    | 18.405  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 32530    | 18.836  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 46389    | 19.087  | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 53890    | 19.244  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 106599   | 89.057  | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 155928   | 99.689  | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 33732    | 18.840  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 34134    | 19.805  | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.275  | 164  | 31266    | 18.268  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.079 | 112  | 87478    | 18.302  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 32193    | 18.301  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 149660   | 18.236  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 119374   | 37.189  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 57928    | 18.197  | ug/l   | 99       |
| 70) Styrene                   | 10.653 | 104  | 96701    | 18.679  | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 25602    | 17.369  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 152336   | 17.636  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 54637    | 17.313  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 46426    | 17.919  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 37221m   | 16.856  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 41326    | 17.903  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.305 | 91   | 169443   | 17.278  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 100951   | 17.094  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 126957   | 17.556  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 11549    | 16.255  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 116834   | 17.324  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 129962   | 18.100  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 128377   | 18.767  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 157591   | 18.350  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 137456   | 18.694  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 75416    | 18.572  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 75591    | 18.273  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 109975   | 18.282  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 20520    | 16.966  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 73422    | 18.737  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 8654     | 17.646  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 50462    | 19.118  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 24355    | 18.837  | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 147044   | 19.364  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 50946    | 19.289  | ug/l   | 99       |

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Manual Integrations  
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Quant Title : SW846 8260  
QLast Update : Wed Jan 11 14:48:42 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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