

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122324\  
 Data File : VX044477.D  
 Acq On : 23 Dec 2024 14:06  
 Operator : JC/MD  
 Sample : VX1223WBS02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1223WBS02

Quant Time: Dec 23 21:56:27 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 12 04:28:14 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 12/26/2024  
 Supervised By : Mahesh Dadoda 12/26/2024

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 132708     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.751          | 114  | 224038     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 188412     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 87889      | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 90921      | 39.075  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 78.160% |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 70872      | 45.675  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 91.340% |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 245226     | 46.845  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 93.680% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 80642      | 44.086  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 88.180% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 35098      | 17.104  | ug/l   | 94       |
| 3) Chloromethane             | 1.294          | 50   | 34673      | 17.670  | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.374          | 62   | 33581      | 16.427  | ug/l   | 98       |
| 5) Bromomethane              | 1.599          | 94   | 23179      | 15.982  | ug/l   | 96       |
| 6) Chloroethane              | 1.666          | 64   | 22719      | 17.847  | ug/l   | 90       |
| 7) Trichlorofluoromethane    | 1.873          | 101  | 51878      | 12.963  | ug/l   | 97       |
| 8) Diethyl Ether             | 2.130          | 74   | 19971      | 14.619  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 2.319          | 101  | 27336      | 16.880  | ug/l   | 95       |
| 10) Methyl Iodide            | 2.447          | 142  | 38531      | 18.052  | ug/l   | 94       |
| 11) Tert butyl alcohol       | 2.989          | 59   | 25040      | 76.358  | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 2.312          | 96   | 25702      | 17.279  | ug/l   | 88       |
| 13) Acrolein                 | 2.233          | 56   | 32876      | 69.258  | ug/l   | 100      |
| 14) Allyl chloride           | 2.654          | 41   | 40184      | 16.219  | ug/l   | 97       |
| 15) Acrylonitrile            | 3.062          | 53   | 69116      | 76.087  | ug/l   | 98       |
| 16) Acetone                  | 2.380          | 43   | 60209      | 63.471  | ug/l   | 94       |
| 17) Carbon Disulfide         | 2.508          | 76   | 41355      | 14.626  | ug/l   | 98       |
| 18) Methyl Acetate           | 2.703          | 43   | 35652      | 14.577  | ug/l   | 96       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 90341      | 15.563  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.782          | 84   | 30642      | 17.198  | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 26093      | 16.505  | ug/l   | 94       |
| 22) Diisopropyl ether        | 3.757          | 45   | 90256      | 16.177  | ug/l   | 93       |
| 23) Vinyl Acetate            | 3.715          | 43   | 363772     | 80.199  | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 52028      | 16.730  | ug/l   | 97       |
| 25) 2-Butanone               | 4.562          | 43   | 92029      | 68.242  | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 42702      | 16.902  | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 32997      | 16.435  | ug/l   | 96       |
| 28) Bromochloromethane       | 4.897          | 49   | 22353      | 14.658  | ug/l   | 94       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 58745      | 67.866  | ug/l   | 98       |
| 30) Chloroform               | 5.086          | 83   | 56718      | 16.232  | ug/l   | 96       |
| 31) Cyclohexane              | 5.458          | 56   | 40600      | 16.167  | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 47761      | 16.467  | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 36177      | 18.037  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.708          | 43   | 38410      | 15.492  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.665          | 117  | 35849      | 16.601  | ug/l   | 96       |
| 39) Methylcyclohexane        | 7.372          | 83   | 44230      | 18.446  | ug/l   | 96       |
| 40) Benzene                  | 6.031          | 78   | 114610     | 18.820  | ug/l   | 99       |

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 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1223WBS02

Manual Integrations  
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Reviewed By : John Carlone 12/26/2024  
 Supervised By : Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 21:56:27 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 12 04:28:14 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 19597    | 14.885  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 44902    | 17.899  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 62949    | 16.244  | ug/l   | 99       |
| 44) Trichloroethene           | 7.116  | 130  | 29473    | 19.408  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 28265    | 18.167  | ug/l   | 97       |
| 46) Dibromomethane            | 7.580  | 93   | 20988    | 17.388  | ug/l   | 91       |
| 47) Bromodichloromethane      | 7.818  | 83   | 35873    | 17.209  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.690  | 41   | 29948    | 15.920  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.671  | 88   | 9300     | 298.190 | ug/l # | 81       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 189522   | 76.063  | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 70540    | 18.446  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 35559    | 17.112  | ug/l   | 91       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 40760    | 17.958  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 28849    | 18.989  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 40823    | 17.021  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 48145    | 18.206  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 86326    | 71.362  | ug/l   | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 136667   | 75.778  | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.518  | 129  | 24557    | 16.581  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 29424    | 19.027  | ug/l   | 95       |
| 64) Tetrachloroethene         | 9.269  | 164  | 25600    | 20.471  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.079 | 112  | 76936    | 19.057  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 24341    | 18.760  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.189 | 91   | 130434   | 18.698  | ug/l   | 94       |
| 68) m/p-Xylenes               | 10.299 | 106  | 99488    | 38.868  | ug/l   | 94       |
| 69) o-Xylene                  | 10.640 | 106  | 49182    | 18.990  | ug/l   | 94       |
| 70) Styrene                   | 10.652 | 104  | 79223    | 19.082  | ug/l   | 96       |
| 71) Bromoform                 | 10.799 | 173  | 14161    | 17.604  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.963 | 105  | 124350   | 18.482  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 47819    | 15.378  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 41632    | 17.815  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 32907m   | 16.769  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 31946    | 19.580  | ug/l   | 93       |
| 78) n-propylbenzene           | 11.299 | 91   | 136117   | 18.304  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 86396    | 17.964  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 104469   | 18.723  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 8957     | 17.199  | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 99013    | 18.591  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 101854   | 18.471  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 105424   | 19.239  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 124128   | 18.543  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 103419   | 18.562  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 53968    | 18.936  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 56577    | 19.312  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.329 | 91   | 83365    | 17.794  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 13814    | 16.985  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 58131    | 19.644  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 6202     | 13.671  | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 31237    | 19.254  | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 13.719 | 225  | 12985    | 19.898  | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 101125   | 15.969  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 32210    | 18.718  | ug/l   | 99       |

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Quant Title : SW846 8260  
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Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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