

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050124\  
 Data File : VX041316.D  
 Acq On : 01 May 2024 11:16  
 Operator : JC/MD  
 Sample : VX0501WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0501WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 05/02/2024  
 Supervised By : Semsettin Yesilyurt 05/02/2024

Quant Time: May 02 03:05:59 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 01 02:38:17 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|-------|----------|
| -----                        |                |      |                     |         |       |          |
| Internal Standards           |                |      |                     |         |       |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 226455              | 50.000  | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 314393              | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 241049              | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 160953              | 50.000  | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 136045              | 55.184  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 110.360% |         |       |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 111987              | 52.562  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 105.120% |         |       |          |
| 50) Toluene-d8               | 8.647          | 98   | 334817              | 49.651  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 99.300%  |         |       |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 129549              | 49.628  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 99.260%  |         |       |          |
| Target Compounds             |                |      |                     |         |       |          |
|                              |                |      |                     |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 41954               | 22.546  | ug/l  | 100      |
| 3) Chloromethane             | 1.294          | 50   | 38770               | 20.135  | ug/l  | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 38407               | 20.924  | ug/l  | 98       |
| 5) Bromomethane              | 1.599          | 94   | 21203               | 18.426  | ug/l  | 93       |
| 6) Chloroethane              | 1.666          | 64   | 16704               | 19.600  | ug/l  | 97       |
| 7) Trichlorofluoromethane    | 1.867          | 101  | 60304               | 19.052  | ug/l  | 99       |
| 8) Diethyl Ether             | 2.136          | 74   | 21037               | 18.857  | ug/l  | 86       |
| 9) 1,1,2-Trichlorotrifluo... | 2.318          | 101  | 32470               | 18.252  | ug/l  | # 86     |
| 10) Methyl Iodide            | 2.446          | 142  | 31436               | 16.419  | ug/l  | 90       |
| 11) Tert butyl alcohol       | 3.001          | 59   | 49297               | 99.906  | ug/l  | # 93     |
| 12) 1,1-Dichloroethene       | 2.306          | 96   | 30972               | 17.649  | ug/l  | 87       |
| 13) Acrolein                 | 2.239          | 56   | 30959               | 79.088  | ug/l  | 99       |
| 14) Allyl chloride           | 2.660          | 41   | 51598               | 17.501  | ug/l  | 95       |
| 15) Acrylonitrile            | 3.068          | 53   | 108015              | 95.914  | ug/l  | 98       |
| 16) Acetone                  | 2.386          | 43   | 95241               | 85.150  | ug/l  | 95       |
| 17) Carbon Disulfide         | 2.501          | 76   | 70354               | 17.055  | ug/l  | 99       |
| 18) Methyl Acetate           | 2.709          | 43   | 42398               | 16.810  | ug/l  | 96       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 126120              | 19.715  | ug/l  | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 40327               | 18.843  | ug/l  | 90       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 37489               | 19.116  | ug/l  | 91       |
| 22) Diisopropyl ether        | 3.763          | 45   | 121896              | 19.509  | ug/l  | 91       |
| 23) Vinyl Acetate            | 3.721          | 43   | 558407              | 99.906  | ug/l  | 96       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 68497               | 19.404  | ug/l  | 97       |
| 25) 2-Butanone               | 4.568          | 43   | 159753              | 100.122 | ug/l  | 97       |
| 26) 2,2-Dichloropropane      | 4.464          | 77   | 59132               | 20.035  | ug/l  | 97       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 46798               | 20.154  | ug/l  | 90       |
| 28) Bromochloromethane       | 4.897          | 49   | 20889               | 16.581  | ug/l  | # 75     |
| 29) Tetrahydrofuran          | 5.007          | 42   | 100061              | 95.889  | ug/l  | 95       |
| 30) Chloroform               | 5.092          | 83   | 73283               | 19.954  | ug/l  | 99       |
| 31) Cyclohexane              | 5.464          | 56   | 59402               | 19.964  | ug/l  | 93       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 64737               | 19.375  | ug/l  | 96       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 48471               | 19.026  | ug/l  | 95       |
| 37) Ethyl Acetate            | 4.714          | 43   | 60043               | 18.889  | ug/l  | 98       |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 55986               | 19.183  | ug/l  | 98       |
| 39) Methylcyclohexane        | 7.379          | 83   | 54822               | 18.317  | ug/l  | 90       |
| 40) Benzene                  | 6.037          | 78   | 153101              | 19.494  | ug/l  | 99       |

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 Sample : VX0501WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0501WBS01

Manual Integrations  
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Reviewed By : John Carlone 05/02/2024  
 Supervised By : Semsettin Yesilyurt 05/02/2024

Quant Time: May 02 03:05:59 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 01 02:38:17 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 31603    | 19.317  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 57676    | 20.038  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 93611    | 19.586  | ug/l   | 98       |
| 44) Trichloroethene           | 7.122  | 130  | 39978    | 19.277  | ug/l   | 85       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 31552    | 17.981  | ug/l   | 99       |
| 46) Dibromomethane            | 7.580  | 93   | 25528    | 18.275  | ug/l # | 78       |
| 47) Bromodichloromethane      | 7.817  | 83   | 48409    | 19.447  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.696  | 41   | 42210    | 19.266  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 18219m   | 384.619 | ug/l   |          |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 266728   | 93.004  | ug/l   | 100      |
| 52) Toluene                   | 8.714  | 92   | 84453    | 17.579  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 44934    | 18.219  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 48599    | 17.759  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 33932    | 18.340  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 53225    | 18.588  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 54643    | 17.696  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 142327   | 102.512 | ug/l   | 93       |
| 59) 2-Hexanone                | 9.433  | 43   | 211091   | 92.048  | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.518  | 129  | 37848    | 17.377  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 36155    | 17.763  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 35629    | 20.412  | ug/l   | 89       |
| 65) Chlorobenzene             | 10.079 | 112  | 97167    | 19.857  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 33830    | 19.566  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 161584   | 20.014  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 129468   | 40.046  | ug/l   | 92       |
| 69) o-Xylene                  | 10.640 | 106  | 63782    | 20.604  | ug/l   | 93       |
| 70) Styrene                   | 10.652 | 104  | 106518   | 20.970  | ug/l   | 96       |
| 71) Bromoform                 | 10.799 | 173  | 30657    | 19.812  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 168050   | 17.105  | ug/l   | 97       |
| 74) N-amyl acetate            | 10.841 | 43   | 72290    | 16.841  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 55337    | 17.189  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 45057m   | 17.177  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 48550    | 17.508  | ug/l   | 77       |
| 78) n-propylbenzene           | 11.305 | 91   | 185483   | 17.975  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 117173   | 17.621  | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 152013   | 18.980  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 15545    | 16.143  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 142375   | 18.860  | ug/l   | 93       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 170220   | 19.847  | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 162811   | 20.203  | ug/l   | 94       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 202657   | 20.618  | ug/l   | 95       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 183285   | 20.763  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 101059   | 20.050  | ug/l   | 94       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 102274   | 19.695  | ug/l   | 95       |
| 89) n-Butylbenzene            | 12.329 | 91   | 143172   | 20.170  | ug/l   | 96       |
| 90) Hexachloroethane          | 12.536 | 117  | 28174    | 19.085  | ug/l # | 57       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 104303   | 19.592  | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 14097    | 18.949  | ug/l   | 57       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 70563    | 18.962  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 34566    | 18.601  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 215073   | 19.503  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 72631    | 19.097  | ug/l   | 96       |

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ALS Vial : 5 Sample Multiplier: 1

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MSVOA\_X  
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APPROVED

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Quant Time: May 02 03:05:59 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 01 02:38:17 2024  
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

