

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042324\  
 Data File : VX041217.D  
 Acq On : 23 Apr 2024 16:04  
 Operator : JC/MD  
 Sample : VX0423MBS01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0423MBS01

Manual Integrations  
 APPROVED

Reviewed By :John  
 Carlone  
 04/24/2024

Supervised By :Mahesh  
 Dadoda  
 04/24/2024

Quant Time: Apr 24 01:48:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042224W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 23 05:30:28 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) | Qvalue |
|------------------------------|--------|-------|----------|----------|-------------|----------|--------|
| -----                        |        |       |          |          |             |          |        |
| Internal Standards           |        |       |          |          |             |          |        |
| 1) Pentafluorobenzene        | 5.544  | 168   | 286007   | 50.000   | ug/l        | # 0.00   |        |
| 34) 1,4-Difluorobenzene      | 6.757  | 114   | 334518   | 50.000   | ug/l        | 0.00     |        |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 348481   | 50.000   | ug/l        | 0.00     |        |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 155941   | 50.000   | ug/l        | 0.00     |        |
| System Monitoring Compounds  |        |       |          |          |             |          |        |
| 33) 1,2-Dichloroethane-d4    | 5.952  | 65    | 144996   | 53.257   | ug/l        | 0.00     |        |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | = 106.520%  |          |        |
| 35) Dibromofluoromethane     | 5.379  | 113   | 127482   | 62.650   | ug/l        | 0.00     |        |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | = 125.300%# |          |        |
| 50) Toluene-d8               | 8.647  | 98    | 436981   | 63.651   | ug/l        | 0.00     |        |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | = 127.300%# |          |        |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 157878   | 62.304   | ug/l        | 0.00     |        |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | = 124.600%# |          |        |
| Target Compounds             |        |       |          |          |             |          |        |
| 2) Dichlorodifluoromethane   | 1.167  | 85    | 40428    | 17.871   | ug/l        | 99       |        |
| 3) Chloromethane             | 1.301  | 50    | 39686    | 16.204   | ug/l        | 97       |        |
| 4) Vinyl Chloride            | 1.374  | 62    | 42239    | 17.246   | ug/l        | 98       |        |
| 5) Bromomethane              | 1.593  | 94    | 20158    | 14.618   | ug/l        | 97       |        |
| 6) Chloroethane              | 1.660  | 64    | 13237    | 14.226   | ug/l        | 97       |        |
| 7) Trichlorofluoromethane    | 1.862  | 101   | 69846    | 18.405   | ug/l        | 99       |        |
| 8) Diethyl Ether             | 2.136  | 74    | 24308    | 17.405   | ug/l        | 87       |        |
| 9) 1,1,2-Trichlorotrifluo... | 2.313  | 101   | 37445    | 16.770   | ug/l        | # 87     |        |
| 10) Methyl Iodide            | 2.441  | 142   | 22161    | 8.230    | ug/l        | 90       |        |
| 11) Tert butyl alcohol       | 3.032  | 59    | 45996    | 94.303   | ug/l        | # 92     |        |
| 12) 1,1-Dichloroethene       | 2.307  | 96    | 34055    | 16.338   | ug/l        | 90       |        |
| 13) Acrolein                 | 2.240  | 56    | 39255    | 71.744   | ug/l        | 99       |        |
| 14) Allyl chloride           | 2.654  | 41    | 67296    | 19.875   | ug/l        | # 95     |        |
| 15) Acrylonitrile            | 3.069  | 53    | 116108   | 93.158   | ug/l        | 99       |        |
| 16) Acetone                  | 2.392  | 43    | 102660   | 103.592  | ug/l        | 93       |        |
| 17) Carbon Disulfide         | 2.502  | 76    | 84136    | 19.323   | ug/l        | 97       |        |
| 18) Methyl Acetate           | 2.709  | 43    | 53780    | 18.345   | ug/l        | 94       |        |
| 19) Methyl tert-butyl Ether  | 3.117  | 73    | 141619   | 19.006   | ug/l        | 100      |        |
| 20) Methylene Chloride       | 2.782  | 84    | 45422    | 18.767   | ug/l        | 91       |        |
| 21) trans-1,2-Dichloroethene | 3.081  | 96    | 41769    | 18.134   | ug/l        | 85       |        |
| 22) Diisopropyl ether        | 3.764  | 45    | 138458   | 18.913   | ug/l        | # 88     |        |
| 23) Vinyl Acetate            | 3.721  | 43    | 620745   | 99.113   | ug/l        | 96       |        |
| 24) 1,1-Dichloroethane       | 3.599  | 63    | 77490    | 18.935   | ug/l        | 98       |        |
| 25) 2-Butanone               | 4.568  | 43    | 165560   | 97.823   | ug/l        | 96       |        |
| 26) 2,2-Dichloropropane      | 4.465  | 77    | 64994    | 18.791   | ug/l        | 97       |        |
| 27) cis-1,2-Dichloroethene   | 4.483  | 96    | 52400    | 18.354   | ug/l        | 88       |        |
| 28) Bromochloromethane       | 4.891  | 49    | 24653    | 15.874   | ug/l        | # 71     |        |
| 29) Tetrahydrofuran          | 5.007  | 42    | 108273   | 93.906   | ug/l        | 94       |        |
| 30) Chloroform               | 5.087  | 83    | 83455    | 18.999   | ug/l        | 100      |        |
| 31) Cyclohexane              | 5.458  | 56    | 65701    | 17.930   | ug/l        | 90       |        |
| 32) 1,1,1-Trichloroethane    | 5.379  | 97    | 73367    | 18.632   | ug/l        | 96       |        |
| 36) 1,1-Dichloropropene      | 5.684  | 75    | 53038    | 20.371   | ug/l        | 94       |        |
| 37) Ethyl Acetate            | 4.721  | 43    | 67424    | 23.603   | ug/l        | 100      |        |
| 38) Carbon Tetrachloride     | 5.666  | 117   | 64537    | 22.193   | ug/l        | 95       |        |
| 39) Methylcyclohexane        | 7.373  | 83    | 62692    | 18.154   | ug/l        | 91       |        |
| 40) Benzene                  | 6.032  | 78    | 171122   | 21.281   | ug/l        | 99       |        |

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 Quant Title : SW846 8260  
 QLast Update : Tue Apr 23 05:30:28 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 33768    | 22.707  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 62121    | 22.281  | ug/l   | 94       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 100328   | 21.803  | ug/l   | 97       |
| 44) Trichloroethene           | 7.123  | 130  | 43662    | 18.677  | ug/l   | 86       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 36096    | 18.722  | ug/l   | 99       |
| 46) Dibromomethane            | 7.580  | 93   | 26983    | 18.769  | ug/l # | 78       |
| 47) Bromodichloromethane      | 7.818  | 83   | 49423    | 18.651  | ug/l # | 98       |
| 48) Methyl methacrylate       | 7.696  | 41   | 43709    | 20.082  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 7.671  | 88   | 17980m   | 383.811 | ug/l   |          |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 336407   | 116.798 | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 113433   | 22.388  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 58110    | 22.356  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 54985    | 18.608  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 45760    | 23.146  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 69667    | 23.050  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 72839    | 22.256  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 139684   | 94.958  | ug/l   | 94       |
| 59) 2-Hexanone                | 9.433  | 43   | 262503   | 118.850 | ug/l   | 96       |
| 60) Dibromochloromethane      | 9.519  | 129  | 51769    | 22.683  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 47982    | 22.621  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 48367    | 18.097  | ug/l   | 91       |
| 65) Chlorobenzene             | 10.080 | 112  | 131573   | 18.346  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 46051    | 18.746  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.189 | 91   | 214073   | 18.704  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 171012   | 37.013  | ug/l   | 92       |
| 69) o-Xylene                  | 10.640 | 106  | 83238    | 18.523  | ug/l   | 95       |
| 70) Styrene                   | 10.653 | 104  | 139997   | 19.150  | ug/l   | 95       |
| 71) Bromoform                 | 10.799 | 173  | 40651    | 19.356  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.964 | 105  | 222902   | 22.973  | ug/l   | 96       |
| 74) N-amyl acetate            | 10.842 | 43   | 89425    | 23.451  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83   | 62468    | 20.415  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 50297m   | 20.019  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 55378    | 19.613  | ug/l   | 78       |
| 78) n-propylbenzene           | 11.305 | 91   | 215301   | 20.550  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 129502   | 19.533  | ug/l   | 91       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 148404   | 18.385  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 18188    | 20.424  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 135916   | 18.091  | ug/l   | 93       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 160648   | 18.585  | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 150682   | 18.808  | ug/l   | 93       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 189350   | 18.969  | ug/l   | 95       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 168967   | 19.208  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene       | 11.970 | 146  | 92139    | 18.166  | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 92859    | 17.844  | ug/l   | 96       |
| 89) n-Butylbenzene            | 12.329 | 91   | 132316   | 19.811  | ug/l   | 96       |
| 90) Hexachloroethane          | 12.536 | 117  | 27765    | 19.135  | ug/l   | 60       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 95205    | 18.741  | ug/l   | 94       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 14728    | 22.939  | ug/l   | 58       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 83229    | 23.630  | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 42765    | 23.764  | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 243042   | 24.016  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 85542    | 23.057  | ug/l   | 95       |

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

