

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091621\  
 Data File : VX024289.D  
 Acq On : 16 Sep 2021 15:42  
 Operator : JC/MD  
 Sample : VX0916MBS02  
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0916MBS02

Manual Integrations  
 APPROVED

MMDadoda  
 9/22/2021 7:39:11 PM

Quant Time: Sep 22 08:37:27 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091421W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 21 10:52:48 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 5.562  | 168   | 172391   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769  | 114   | 272269   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 254365   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 113598   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 5.964  | 65    | 127227   | 51.755   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | = 103.520% |          |
| 35) Dibromofluoromethane     | 5.397  | 113   | 93046    | 50.958   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | = 101.920% |          |
| 50) Toluene-d8               | 8.653  | 98    | 341967   | 51.409   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | = 102.820% |          |
| 62) 4-Bromofluorobenzene     | 11.085 | 95    | 113058   | 43.674   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | = 87.340%  |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.173  | 85    | 31798    | 19.188   | ug/l       | 100      |
| 3) Chloromethane             | 1.294  | 50    | 32682    | 18.886   | ug/l       | 99       |
| 4) Vinyl Chloride            | 1.374  | 62    | 32244    | 18.722   | ug/l       | 98       |
| 5) Bromomethane              | 1.605  | 94    | 23674    | 23.090   | ug/l       | 95       |
| 6) Chloroethane              | 1.691  | 64    | 19209    | 16.886   | ug/l       | 97       |
| 7) Trichlorofluoromethane    | 1.892  | 101   | 50740    | 17.563   | ug/l       | 98       |
| 8) Diethyl Ether             | 2.142  | 74    | 17705    | 17.711   | ug/l       | 88       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101   | 34494    | 20.324   | ug/l       | 98       |
| 10) Methyl Iodide            | 2.453  | 142   | 45111    | 19.212   | ug/l       | 91       |
| 11) Tert butyl alcohol       | 2.971  | 59    | 49709    | 81.592   | ug/l       | 99       |
| 12) 1,1-Dichloroethene       | 2.319  | 96    | 30459    | 19.163   | ug/l       | 85       |
| 13) Acrolein                 | 2.239  | 56    | 12682    | 78.275   | ug/l       | 99       |
| 14) Allyl chloride           | 2.666  | 41    | 56196    | 19.454   | ug/l       | 90       |
| 15) Acrylonitrile            | 3.069  | 53    | 104202   | 103.636  | ug/l       | 97       |
| 16) Acetone                  | 2.386  | 43    | 95545    | 91.153   | ug/l       | 90       |
| 17) Carbon Disulfide         | 2.514  | 76    | 67420    | 16.925   | ug/l       | 98       |
| 18) Methyl Acetate           | 2.709  | 43    | 68180    | 20.747   | ug/l       | 91       |
| 19) Methyl tert-butyl Ether  | 3.123  | 73    | 121388   | 20.780   | ug/l       | 99       |
| 20) Methylene Chloride       | 2.794  | 84    | 41002    | 20.371   | ug/l       | 90       |
| 21) trans-1,2-Dichloroethene | 3.099  | 96    | 34199    | 19.653   | ug/l       | 95       |
| 22) Diisopropyl ether        | 3.770  | 45    | 119375   | 21.040   | ug/l       | 93       |
| 23) Vinyl Acetate            | 3.727  | 43    | 488539   | 106.048  | ug/l       | 94       |
| 24) 1,1-Dichloroethane       | 3.617  | 63    | 65109    | 19.557   | ug/l       | 97       |
| 25) 2-Butanone               | 4.568  | 43    | 153212   | 99.241   | ug/l       | 92       |
| 26) 2,2-Dichloropropane      | 4.483  | 77    | 53409    | 18.316   | ug/l       | 98       |
| 27) cis-1,2-Dichloroethene   | 4.495  | 96    | 40575    | 20.190   | ug/l       | 95       |
| 28) Bromochloromethane       | 4.904  | 49    | 24030    | 17.715   | ug/l       | 94       |
| 29) Tetrahydrofuran          | 5.019  | 42    | 99077    | 102.532  | ug/l       | 89       |
| 30) Chloroform               | 5.105  | 83    | 70793    | 19.996   | ug/l       | 99       |
| 31) Cyclohexane              | 5.477  | 56    | 58293    | 20.273   | ug/l       | 94       |
| 32) 1,1,1-Trichloroethane    | 5.391  | 97    | 61838    | 19.516   | ug/l       | 98       |
| 36) 1,1-Dichloropropene      | 5.702  | 75    | 50452    | 20.155   | ug/l       | 98       |
| 37) Ethyl Acetate            | 4.721  | 43    | 60109    | 20.608   | ug/l       | 94       |
| 38) Carbon Tetrachloride     | 5.684  | 117   | 52894    | 18.774   | ug/l       | 95       |
| 39) Methylcyclohexane        | 7.385  | 83    | 59830    | 20.019   | ug/l       | 95       |
| 40) Benzene                  | 6.044  | 78    | 146857   | 20.455   | ug/l       | 98       |

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 Sample : VX0916MBS02  
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 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0916MBS02

Manual Integrations  
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MMDadoda  
 9/22/2021 7:39:11 PM

Quant Time: Sep 22 08:37:27 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091421W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 21 10:52:48 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 32274    | 20.748  | ug/l   | 91       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 62980    | 21.036  | ug/l   | 93       |
| 43) Isopropyl Acetate         | 6.348  | 43   | 95241    | 20.512  | ug/l   | 93       |
| 44) Trichloroethene           | 7.129  | 130  | 39955    | 19.807  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 7.440  | 63   | 39155    | 20.663  | ug/l   | 95       |
| 46) Dibromomethane            | 7.586  | 93   | 28193    | 20.326  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.824  | 83   | 50380    | 19.533  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.702  | 41   | 46434    | 20.043  | ug/l   | 87       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 18747    | 386.469 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43   | 311551   | 105.299 | ug/l   | 90       |
| 52) Toluene                   | 8.720  | 92   | 95003    | 20.189  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 56280    | 19.241  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.372  | 75   | 60542    | 20.002  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 9.159  | 97   | 40905    | 20.411  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 62155    | 19.436  | ug/l # | 84       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 67532    | 20.692  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 162774   | 112.237 | ug/l   | 98       |
| 59) 2-Hexanone                | 9.433  | 43   | 240570   | 104.349 | ug/l   | 87       |
| 60) Dibromochloromethane      | 9.525  | 129  | 38431    | 18.052  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.616  | 107  | 42646    | 19.971  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 41255    | 20.936  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.079 | 112  | 104966   | 20.058  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 37889    | 19.536  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 185550   | 20.269  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.305 | 106  | 130202   | 37.150  | ug/l   | 97       |
| 69) o-Xylene                  | 10.646 | 106  | 61887    | 17.690  | ug/l   | 99       |
| 70) Styrene                   | 10.659 | 104  | 99777    | 17.581  | ug/l   | 96       |
| 71) Bromoform                 | 10.805 | 173  | 24981    | 16.213  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 168281   | 19.893  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.848 | 43   | 71021    | 19.943  | ug/l   | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 54737    | 20.001  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 49950m   | 19.123  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 41478    | 19.510  | ug/l   | 93       |
| 78) n-propylbenzene           | 11.305 | 91   | 186447   | 19.510  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 112190   | 18.900  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.457 | 105  | 145378   | 20.388  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.024 | 75   | 14551    | 16.383  | ug/l # | 82       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 137026   | 20.289  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 139155   | 20.219  | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 141618   | 20.190  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.896 | 105  | 176560   | 20.476  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 148461   | 20.511  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 78234    | 20.544  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 76080    | 19.572  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.335 | 91   | 124149   | 19.823  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.542 | 117  | 20305    | 17.412  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 77350    | 20.704  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 11238    | 17.899  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 45203    | 20.532  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 22209    | 20.201  | ug/l   | 99       |
| 95) Naphthalene               | 13.780 | 128  | 146643   | 18.885  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 45104    | 20.325  | ug/l   | 99       |

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Quant Time: Sep 22 08:37:27 2021  
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 QLast Update : Tue Sep 21 10:52:48 2021  
 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

