

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021023\  
 Data File : VX034086.D  
 Acq On : 08 Feb 2023 15:29  
 Operator : JC/MD  
 Sample : VX0210MBS01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0210MBS01

Quant Time: Feb 09 04:52:11 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020423W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 03 23:25:45 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 02/09/2023  
 Supervised By : Semsettin Yesilyurt 02/09/2023

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 133437     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 181978     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 160678     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 85800      | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 60292      | 46.869  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 93.740% |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 54301      | 46.885  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 93.780% |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 193138     | 46.285  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 92.580% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 70387      | 47.229  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 94.460% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 20667      | 19.053  | ug/l   | 97       |
| 3) Chloromethane             | 1.294          | 50   | 18457      | 18.031  | ug/l   | 97       |
| 4) Vinyl Chloride            | 1.374          | 62   | 18997      | 17.721  | ug/l   | 96       |
| 5) Bromomethane              | 1.605          | 94   | 11991      | 21.722  | ug/l   | 96       |
| 6) Chloroethane              | 1.685          | 64   | 10763      | 18.156  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 32999      | 19.347  | ug/l   | 98       |
| 8) Diethyl Ether             | 2.130          | 74   | 10726      | 18.283  | ug/l   | 88       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 20978      | 18.421  | ug/l   | 91       |
| 10) Methyl Iodide            | 2.453          | 142  | 26586      | 16.479  | ug/l   | 93       |
| 11) Tert butyl alcohol       | 2.947          | 59   | 21090      | 117.019 | ug/l # | 85       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 19373      | 17.732  | ug/l   | 92       |
| 13) Acrolein                 | 2.233          | 56   | 21741      | 89.938  | ug/l   | 100      |
| 14) Allyl chloride           | 2.666          | 41   | 31693      | 17.791  | ug/l   | 92       |
| 15) Acrylonitrile            | 3.056          | 53   | 52913      | 91.525  | ug/l   | 99       |
| 16) Acetone                  | 2.373          | 43   | 54467      | 100.248 | ug/l   | 93       |
| 17) Carbon Disulfide         | 2.514          | 76   | 45966      | 16.582  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.703          | 43   | 32504      | 19.232  | ug/l   | 94       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 65531      | 19.451  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 21865      | 17.590  | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 21459      | 18.033  | ug/l   | 95       |
| 22) Diisopropyl ether        | 3.757          | 45   | 64777      | 18.427  | ug/l   | 96       |
| 23) Vinyl Acetate            | 3.721          | 43   | 250001     | 93.392  | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 37868      | 18.689  | ug/l   | 100      |
| 25) 2-Butanone               | 4.550          | 43   | 74585      | 94.275  | ug/l   | 92       |
| 26) 2,2-Dichloropropane      | 4.483          | 77   | 28404      | 19.217  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 4.495          | 96   | 25423      | 18.573  | ug/l   | 96       |
| 28) Bromochloromethane       | 4.897          | 49   | 16306      | 18.304  | ug/l   | 82       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 46181      | 91.779  | ug/l   | 93       |
| 30) Chloroform               | 5.093          | 83   | 40599      | 19.225  | ug/l   | 96       |
| 31) Cyclohexane              | 5.471          | 56   | 33350      | 17.802  | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 36111      | 19.856  | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 29503      | 18.580  | ug/l   | 97       |
| 37) Ethyl Acetate            | 4.715          | 43   | 26940      | 18.212  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 32283      | 19.062  | ug/l   | 94       |
| 39) Methylcyclohexane        | 7.379          | 83   | 37081      | 18.552  | ug/l   | 95       |
| 40) Benzene                  | 6.037          | 78   | 85798      | 18.674  | ug/l   | 99       |

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 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0210MBS01

Manual Integrations  
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 Supervised By :Semsettin Yesilyurt 02/09/2023

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 Quant Title : SW846 8260  
 QLast Update : Fri Feb 03 23:25:45 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 15744    | 18.912  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 31534    | 20.198  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.336  | 43   | 44520    | 19.298  | ug/l   | 97       |
| 44) Trichloroethene           | 7.123  | 130  | 26661    | 18.881  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 21520    | 18.971  | ug/l   | 96       |
| 46) Dibromomethane            | 7.580  | 93   | 16331    | 20.095  | ug/l   | 95       |
| 47) Bromodichloromethane      | 7.818  | 83   | 29441    | 19.118  | ug/l   | 93       |
| 48) Methyl methacrylate       | 7.696  | 41   | 23310    | 19.570  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 10609    | 462.728 | ug/l # | 90       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 141484   | 97.776  | ug/l   | 96       |
| 52) Toluene                   | 8.720  | 92   | 57538    | 19.324  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 29920    | 19.327  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 33994    | 19.301  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 23410    | 19.684  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 32836    | 19.768  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 37753    | 19.432  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 73069    | 94.544  | ug/l   | 95       |
| 59) 2-Hexanone                | 9.427  | 43   | 108579   | 102.535 | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.519  | 129  | 25965    | 19.698  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 24655    | 19.279  | ug/l   | 96       |
| 64) Tetrachloroethene         | 9.275  | 164  | 24686    | 18.400  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.079 | 112  | 64642    | 19.479  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 24542    | 19.571  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 107573   | 19.152  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 87769    | 39.093  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 42735    | 19.819  | ug/l   | 100      |
| 70) Styrene                   | 10.653 | 104  | 70147    | 19.752  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 20454    | 19.996  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.963 | 105  | 111432   | 19.433  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 38036    | 20.135  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 33327    | 19.316  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 29948m   | 20.328  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 30959    | 19.470  | ug/l   | 96       |
| 78) n-propylbenzene           | 11.305 | 91   | 121788   | 19.209  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 74582    | 19.428  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 94594    | 19.819  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 8631     | 18.042  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 85188    | 19.620  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 97953    | 19.864  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 94559    | 19.830  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 115792   | 19.626  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 101551   | 19.625  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 55346    | 18.969  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 56932    | 19.220  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 77540    | 19.113  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.536 | 117  | 15340    | 18.831  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 55362    | 19.456  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 6637     | 19.563  | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 38207    | 19.003  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 18441    | 18.530  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 107780   | 19.512  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 37625    | 18.630  | ug/l   | 98       |

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

