

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061721\  
 Data File : VX022729.D  
 Acq On : 17 Jun 2021 10:45  
 Operator : JC/MD  
 Sample : VX0617WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0617WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 6/18/2021 8:59:07 AM

Quant Time: Jun 18 01:15:40 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061021W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 10 12:20:00 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| -----                        |        |       |          |          |       |          |
| Internal Standards           |        |       |          |          |       |          |
| 1) Pentafluorobenzene        | 5.562  | 168   | 67474    | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 6.763  | 114   | 133815   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 122392   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 53038    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds  |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.964  | 65    | 56979    | 46.954   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =     | 93.900%  |
| 35) Dibromofluoromethane     | 5.385  | 113   | 41311    | 48.387   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =     | 96.780%  |
| 50) Toluene-d8               | 8.653  | 98    | 160892   | 47.805   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =     | 95.600%  |
| 62) 4-Bromofluorobenzene     | 11.085 | 95    | 58741    | 46.148   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =     | 92.300%  |
| Target Compounds             |        |       |          |          |       |          |
|                              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.173  | 85    | 14279    | 18.034   | ug/l  | 97       |
| 3) Chloromethane             | 1.294  | 50    | 15811    | 16.525   | ug/l  | 100      |
| 4) Vinyl Chloride            | 1.374  | 62    | 15350    | 16.328   | ug/l  | 100      |
| 5) Bromomethane              | 1.599  | 94    | 8755     | 17.119   | ug/l  | 94       |
| 6) Chloroethane              | 1.685  | 64    | 10342    | 18.168   | ug/l  | 99       |
| 7) Trichlorofluoromethane    | 1.886  | 101   | 24971    | 18.445   | ug/l  | 95       |
| 8) Diethyl Ether             | 2.136  | 74    | 9067     | 16.578   | ug/l  | 76       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101   | 15695    | 19.003   | ug/l  | 90       |
| 10) Methyl Iodide            | 2.453  | 142   | 12668    | 13.680   | ug/l  | 92       |
| 11) Tert butyl alcohol       | 2.977  | 59    | 22828    | 81.246   | ug/l  | 99       |
| 12) 1,1-Dichloroethene       | 2.319  | 96    | 14792    | 18.057   | ug/l  | 86       |
| 13) Acrolein                 | 2.239  | 56    | 11032    | 93.693   | ug/l  | 96       |
| 14) Allyl chloride           | 2.666  | 41    | 28177    | 17.792   | ug/l  | 93       |
| 15) Acrylonitrile            | 3.068  | 53    | 51015    | 92.446   | ug/l  | 99       |
| 16) Acetone                  | 2.386  | 43    | 46903    | 86.318   | ug/l  | 92       |
| 17) Carbon Disulfide         | 2.514  | 76    | 29665    | 16.093   | ug/l  | 100      |
| 18) Methyl Acetate           | 2.709  | 43    | 27970    | 17.101   | ug/l  | 92       |
| 19) Methyl tert-butyl Ether  | 3.123  | 73    | 51994    | 18.292   | ug/l  | 100      |
| 20) Methylene Chloride       | 2.788  | 84    | 18779    | 17.719   | ug/l  | 93       |
| 21) trans-1,2-Dichloroethene | 3.093  | 96    | 16477    | 18.152   | ug/l  | 96       |
| 22) Diisopropyl ether        | 3.770  | 45    | 57811    | 18.445   | ug/l  | 95       |
| 23) Vinyl Acetate            | 3.727  | 43    | 261439   | 90.513   | ug/l  | 95       |
| 24) 1,1-Dichloroethane       | 3.611  | 63    | 33507    | 18.423   | ug/l  | 97       |
| 25) 2-Butanone               | 4.568  | 43    | 79208    | 89.881   | ug/l  | 92       |
| 26) 2,2-Dichloropropane      | 4.483  | 77    | 25318    | 18.253   | ug/l  | 99       |
| 27) cis-1,2-Dichloroethene   | 4.489  | 96    | 19414    | 17.554   | ug/l  | 94       |
| 28) Bromochloromethane       | 4.904  | 49    | 16736    | 19.030   | ug/l  | # 78     |
| 29) Tetrahydrofuran          | 5.013  | 42    | 46305    | 90.244   | ug/l  | 87       |
| 30) Chloroform               | 5.105  | 83    | 33503    | 18.480   | ug/l  | 92       |
| 31) Cyclohexane              | 5.477  | 56    | 25266    | 17.259   | ug/l  | 92       |
| 32) 1,1,1-Trichloroethane    | 5.385  | 97    | 27357    | 18.361   | ug/l  | 97       |
| 36) 1,1-Dichloropropene      | 5.696  | 75    | 23707    | 17.781   | ug/l  | 95       |
| 37) Ethyl Acetate            | 4.727  | 43    | 29719    | 17.537   | ug/l  | # 94     |
| 38) Carbon Tetrachloride     | 5.678  | 117   | 21693    | 19.020   | ug/l  | 92       |
| 39) Methylcyclohexane        | 7.385  | 83    | 25995    | 18.689   | ug/l  | 98       |
| 40) Benzene                  | 6.044  | 78    | 72886    | 18.374   | ug/l  | 100      |

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 Quant Title : SW846 8260  
 QLast Update : Thu Jun 10 12:20:00 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.934  | 41   | 16541    | 18.214  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 27821    | 19.068  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.348  | 43   | 48844    | 18.251  | ug/l # | 93       |
| 44) Trichloroethene           | 7.135  | 130  | 17592    | 18.892  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 20035    | 18.720  | ug/l   | 100      |
| 46) Dibromomethane            | 7.580  | 93   | 12527    | 18.258  | ug/l # | 86       |
| 47) Bromodichloromethane      | 7.830  | 83   | 23202    | 18.356  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.696  | 41   | 22674    | 17.648  | ug/l   | 90       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 8723     | 356.730 | ug/l # | 91       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43   | 160107   | 94.248  | ug/l   | 89       |
| 52) Toluene                   | 8.720  | 92   | 45808    | 18.555  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 25713    | 17.698  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.372  | 75   | 28318    | 17.587  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 19025    | 18.833  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 30265    | 18.097  | ug/l # | 84       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 33790    | 19.233  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 84603    | 92.902  | ug/l   | 95       |
| 59) 2-Hexanone                | 9.433  | 43   | 120891   | 93.141  | ug/l   | 89       |
| 60) Dibromochloromethane      | 9.525  | 129  | 15460    | 17.763  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 18108    | 17.960  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 15555    | 20.097  | ug/l # | 91       |
| 65) Chlorobenzene             | 10.079 | 112  | 47810    | 18.743  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 15831    | 18.340  | ug/l   | 97       |
| 67) Ethyl Benzene             | 10.195 | 91   | 88451    | 18.835  | ug/l   | 97       |
| 68) m/p-Xylenes               | 10.305 | 106  | 65610    | 38.573  | ug/l   | 97       |
| 69) o-Xylene                  | 10.646 | 106  | 31435    | 19.074  | ug/l   | 97       |
| 70) Styrene                   | 10.659 | 104  | 53885    | 18.643  | ug/l   | 96       |
| 71) Bromoform                 | 10.799 | 173  | 8659     | 17.686  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 85137    | 19.549  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.848 | 43   | 42302    | 18.061  | ug/l   | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 29534    | 19.066  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 27237m   | 19.369  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 17844    | 19.180  | ug/l   | 83       |
| 78) n-propylbenzene           | 11.305 | 91   | 101549   | 19.305  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 61634    | 19.363  | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 72118    | 19.880  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 7443     | 18.055  | ug/l # | 80       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 69628    | 19.115  | ug/l   | 95       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 67110    | 19.697  | ug/l   | 91       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 72059    | 19.583  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 85957    | 19.315  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 71768    | 19.535  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 35127    | 19.893  | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 34125    | 18.773  | ug/l   | 94       |
| 89) n-Butylbenzene            | 12.335 | 91   | 68054    | 19.349  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.542 | 117  | 9690     | 18.377  | ug/l   | 74       |
| 91) 1,2-Dichlorobenzene       | 12.341 | 146  | 34555    | 20.083  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 5486     | 17.772  | ug/l   | 80       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 18855    | 18.266  | ug/l   | 94       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 7224     | 19.515  | ug/l   | 95       |
| 95) Naphthalene               | 13.780 | 128  | 76973    | 18.047  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 19126    | 19.006  | ug/l   | 97       |

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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

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