

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX063021\  
 Data File : VX023054.D  
 Acq On : 01 Jul 2021 00:21  
 Operator : JC/MD  
 Sample : VX0630WBSD02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0630WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 7/5/2021 1:56:09 PM

Quant Time: Jul 01 03:29:45 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062321W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 23 19:12:26 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 5.562  | 168   | 64108    | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene      | 6.769  | 114   | 131957   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 10.061 | 117   | 120438   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 47932    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 5.964  | 65    | 61067    | 52.489   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | = 104.980% |          |
| 35) Dibromofluoromethane     | 5.397  | 113   | 41923    | 50.030   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | = 100.060% |          |
| 50) Toluene-d8               | 8.653  | 98    | 159922   | 48.696   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | = 97.400%  |          |
| 62) 4-Bromofluorobenzene     | 11.085 | 95    | 59260    | 48.349   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | = 96.700%  |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.173  | 85    | 16405    | 18.137   | ug/l       | 100      |
| 3) Chloromethane             | 1.294  | 50    | 18345    | 18.470   | ug/l       | 97       |
| 4) Vinyl Chloride            | 1.374  | 62    | 16955    | 18.500   | ug/l       | 96       |
| 5) Bromomethane              | 1.599  | 94    | 8990     | 17.805   | ug/l       | 97       |
| 6) Chloroethane              | 1.685  | 64    | 11308    | 19.964   | ug/l       | 94       |
| 7) Trichlorofluoromethane    | 1.886  | 101   | 25993    | 19.523   | ug/l       | 96       |
| 8) Diethyl Ether             | 2.142  | 74    | 10216    | 19.880   | ug/l       | 85       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101   | 15926    | 19.105   | ug/l       | 89       |
| 10) Methyl Iodide            | 2.453  | 142   | 16041    | 18.641   | ug/l       | 94       |
| 11) Tert butyl alcohol       | 2.971  | 59    | 29155    | 120.240  | ug/l       | 97       |
| 12) 1,1-Dichloroethene       | 2.319  | 96    | 16290    | 19.587   | ug/l       | 89       |
| 13) Acrolein                 | 2.239  | 56    | 11716    | 77.689   | ug/l       | 99       |
| 14) Allyl chloride           | 2.666  | 41    | 30695    | 19.426   | ug/l       | # 93     |
| 15) Acrylonitrile            | 3.075  | 53    | 58998    | 106.438  | ug/l       | 99       |
| 16) Acetone                  | 2.386  | 43    | 53183    | 103.112  | ug/l       | 94       |
| 17) Carbon Disulfide         | 2.514  | 76    | 35322    | 18.007   | ug/l       | 100      |
| 18) Methyl Acetate           | 2.709  | 43    | 27825    | 21.921   | ug/l       | # 89     |
| 19) Methyl tert-butyl Ether  | 3.123  | 73    | 61712    | 20.691   | ug/l       | 97       |
| 20) Methylene Chloride       | 2.794  | 84    | 19896    | 19.677   | ug/l       | # 82     |
| 21) trans-1,2-Dichloroethene | 3.093  | 96    | 16824    | 18.235   | ug/l       | 90       |
| 22) Diisopropyl ether        | 3.770  | 45    | 68791    | 20.930   | ug/l       | # 93     |
| 23) Vinyl Acetate            | 3.733  | 43    | 292333   | 106.027  | ug/l       | 95       |
| 24) 1,1-Dichloroethane       | 3.617  | 63    | 35963    | 20.481   | ug/l       | 98       |
| 25) 2-Butanone               | 4.568  | 43    | 83856    | 104.550  | ug/l       | 91       |
| 26) 2,2-Dichloropropane      | 4.489  | 77    | 21426    | 16.080   | ug/l       | 96       |
| 27) cis-1,2-Dichloroethene   | 4.495  | 96    | 20637    | 20.153   | ug/l       | 93       |
| 28) Bromochloromethane       | 4.910  | 49    | 16469    | 19.908   | ug/l       | # 74     |
| 29) Tetrahydrofuran          | 5.019  | 42    | 53915    | 104.506  | ug/l       | 88       |
| 30) Chloroform               | 5.105  | 83    | 35318    | 19.996   | ug/l       | 93       |
| 31) Cyclohexane              | 5.483  | 56    | 31786    | 19.352   | ug/l       | 91       |
| 32) 1,1,1-Trichloroethane    | 5.391  | 97    | 28030    | 19.753   | ug/l       | 94       |
| 36) 1,1-Dichloropropene      | 5.702  | 75    | 25796    | 18.405   | ug/l       | 96       |
| 37) Ethyl Acetate            | 4.727  | 43    | 32675    | 20.126   | ug/l       | 93       |
| 38) Carbon Tetrachloride     | 5.684  | 117   | 22397    | 19.052   | ug/l       | 95       |
| 39) Methylcyclohexane        | 7.385  | 83    | 28914    | 17.685   | ug/l       | 90       |
| 40) Benzene                  | 6.050  | 78    | 77531    | 19.183   | ug/l       | 98       |

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 Data File : VX023054.D  
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 Operator : JC/MD  
 Sample : VX0630WBSD02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0630WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 7/5/2021 1:56:09 PM

Quant Time: Jul 01 03:29:45 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062321W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 23 19:12:26 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.934  | 41   | 17701    | 19.790  | ug/l   | 91       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 31230    | 21.002  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 6.348  | 43   | 51713    | 19.811  | ug/l # | 92       |
| 44) Trichloroethene           | 7.135  | 130  | 16788    | 17.516  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 21017    | 20.161  | ug/l   | 96       |
| 46) Dibromomethane            | 7.586  | 93   | 13756    | 19.890  | ug/l # | 82       |
| 47) Bromodichloromethane      | 7.830  | 83   | 23931    | 18.964  | ug/l   | 100      |
| 48) Methyl methacrylate       | 7.702  | 41   | 24441    | 20.232  | ug/l   | 86       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 10489    | 403.344 | ug/l # | 92       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43   | 170841   | 105.163 | ug/l   | 90       |
| 52) Toluene                   | 8.720  | 92   | 45369    | 18.570  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 25650    | 17.958  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.372  | 75   | 28265    | 17.703  | ug/l # | 90       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 19227    | 19.615  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 32171    | 19.437  | ug/l # | 79       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 34462    | 19.341  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 82911    | 95.474  | ug/l   | 93       |
| 59) 2-Hexanone                | 9.433  | 43   | 128926   | 104.609 | ug/l   | 86       |
| 60) Dibromochloromethane      | 9.525  | 129  | 15217    | 18.342  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.616  | 107  | 18955    | 19.040  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 15100    | 17.841  | ug/l # | 88       |
| 65) Chlorobenzene             | 10.086 | 112  | 47324    | 18.658  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 15821    | 19.301  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 89665    | 19.198  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.305 | 106  | 65467    | 37.745  | ug/l   | 91       |
| 69) o-Xylene                  | 10.646 | 106  | 31880    | 18.885  | ug/l   | 92       |
| 70) Styrene                   | 10.659 | 104  | 53431    | 19.070  | ug/l   | 97       |
| 71) Bromoform                 | 10.805 | 173  | 8198     | 17.263  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 83987    | 20.708  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.848 | 43   | 43568    | 20.305  | ug/l   | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 30290    | 21.744  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 26649m   | 21.049  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 17076    | 20.247  | ug/l   | 80       |
| 78) n-propylbenzene           | 11.311 | 91   | 101496   | 20.683  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 61683    | 20.818  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 11.457 | 105  | 70802    | 21.260  | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-b... | 11.024 | 75   | 6951     | 19.411  | ug/l # | 77       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 69420    | 20.274  | ug/l   | 94       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 62988    | 20.028  | ug/l   | 85       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 70369    | 20.994  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 11.896 | 105  | 85952    | 20.265  | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 67144    | 19.922  | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 32299    | 19.850  | ug/l   | 94       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 32591    | 19.155  | ug/l   | 94       |
| 89) n-Butylbenzene            | 12.335 | 91   | 63082    | 19.685  | ug/l   | 96       |
| 90) Hexachloroethane          | 12.542 | 117  | 9563     | 17.913  | ug/l   | 76       |
| 91) 1,2-Dichlorobenzene       | 12.341 | 146  | 31578    | 19.884  | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 5825     | 20.271  | ug/l   | 71       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 16798    | 19.072  | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 13.731 | 225  | 6440     | 18.660  | ug/l   | 99       |
| 95) Naphthalene               | 13.780 | 128  | 72872    | 19.856  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 17571    | 19.806  | ug/l   | 96       |

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Sample : VX0630WBSD02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0630WBSD02

Manual Integrations  
APPROVED

MMDadoda  
7/5/2021 1:56:09 PM

Quant Time: Jul 01 03:29:45 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062321W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 23 19:12:26 2021  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

