

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060721\  
 Data File : VX022527.D  
 Acq On : 07 Jun 2021 11:42  
 Operator : JC/MD  
 Sample : VSTDIC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

Manual Integrations  
 APPROVED

MMDadoda  
 6/8/2021 6:58:06 PM

Quant Time: Jun 07 12:35:37 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X060721W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 07 12:33:21 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.562  | 168   | 59051    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769  | 114   | 130255   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 117693   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 51520    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958  | 65    | 20746    | 22.126   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =      | 44.260%# |
| 35) Dibromofluoromethane     | 5.403  | 113   | 14298    | 17.221   | ug/l   | 0.01     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 34.440%# |
| 50) Toluene-d8               | 8.652  | 98    | 56672    | 17.621   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =      | 35.240%# |
| 62) 4-Bromofluorobenzene     | 11.085 | 95    | 20355    | 17.253   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 34.500%# |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166  | 85    | 11556    | 16.041   | ug/l   | 99       |
| 3) Chloromethane             | 1.294  | 50    | 17002    | 21.826   | ug/l   | 97       |
| 4) Vinyl Chloride            | 1.373  | 62    | 14241    | 17.470   | ug/l   | 95       |
| 5) Bromomethane              | 1.599  | 94    | 8895     | 18.839   | ug/l   | 99       |
| 6) Chloroethane              | 1.678  | 64    | 10384    | 21.309   | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 1.879  | 101   | 19028    | 16.138   | ug/l   | 98       |
| 8) Diethyl Ether             | 2.135  | 74    | 9816     | 19.525   | ug/l   | 81       |
| 9) 1,1,2-Trichlorotrifluo... | 2.324  | 101   | 11169    | 15.855   | ug/l   | 90       |
| 10) Methyl Iodide            | 2.452  | 142   | 15970    | 20.833   | ug/l   | 95       |
| 11) Tert butyl alcohol       | 2.983  | 59    | 23727    | 111.238  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 2.318  | 96    | 13169    | 19.236   | ug/l   | 94       |
| 13) Acrolein                 | 2.239  | 56    | 11137    | 83.535   | ug/l   | 96       |
| 14) Allyl chloride           | 2.666  | 41    | 27649    | 21.842   | ug/l # | 94       |
| 15) Acrylonitrile            | 3.074  | 53    | 51237    | 121.518  | ug/l   | 99       |
| 16) Acetone                  | 2.385  | 43    | 48196    | 118.177  | ug/l   | 96       |
| 17) Carbon Disulfide         | 2.507  | 76    | 27293    | 15.424   | ug/l   | 98       |
| 18) Methyl Acetate           | 2.708  | 43    | 26785    | 24.403   | ug/l   | 92       |
| 19) Methyl tert-butyl Ether  | 3.123  | 73    | 51250    | 21.875   | ug/l   | 97       |
| 20) Methylene Chloride       | 2.794  | 84    | 18609    | 20.834   | ug/l   | 92       |
| 21) trans-1,2-Dichloroethene | 3.093  | 96    | 15299    | 20.515   | ug/l   | 91       |
| 22) Diisopropyl ether        | 3.769  | 45    | 55955    | 22.895   | ug/l   | 92       |
| 23) Vinyl Acetate            | 3.733  | 43    | 263554   | 111.949  | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 3.611  | 63    | 31425    | 21.997   | ug/l   | 99       |
| 25) 2-Butanone               | 4.568  | 43    | 80382    | 121.660  | ug/l   | 94       |
| 26) 2,2-Dichloropropane      | 4.483  | 77    | 22997    | 18.438   | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.495  | 96    | 19416    | 21.516   | ug/l   | 97       |
| 28) Bromochloromethane       | 4.909  | 49    | 15016    | 21.632   | ug/l # | 81       |
| 29) Tetrahydrofuran          | 5.019  | 42    | 45986    | 116.495  | ug/l   | 91       |
| 30) Chloroform               | 5.098  | 83    | 31684    | 21.576   | ug/l   | 92       |
| 31) Cyclohexane              | 5.476  | 56    | 19737    | 16.797   | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 5.391  | 97    | 23302    | 18.670   | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 5.696  | 75    | 21331    | 17.546   | ug/l   | 96       |
| 37) Ethyl Acetate            | 4.726  | 43    | 30920    | 20.551   | ug/l   | 95       |
| 38) Carbon Tetrachloride     | 5.684  | 117   | 16960    | 14.607   | ug/l   | 89       |
| 39) Methylcyclohexane        | 7.384  | 83    | 18209    | 13.255   | ug/l   | 96       |
| 40) Benzene                  | 6.043  | 78    | 71732    | 19.199   | ug/l   | 99       |

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 Sample : VSTDIC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

Manual Integrations  
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MMDadoda  
 6/8/2021 6:58:06 PM

Quant Time: Jun 07 12:35:37 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X060721W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 07 12:33:21 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 16281    | 20.295  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 6.098  | 62   | 27012    | 20.486  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.354  | 43   | 49169    | 20.042  | ug/l   | 94       |
| 44) Trichloroethene           | 7.128  | 130  | 16358    | 17.798  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 7.439  | 63   | 19426    | 20.467  | ug/l   | 98       |
| 46) Dibromomethane            | 7.586  | 93   | 12705    | 19.828  | ug/l # | 80       |
| 47) Bromodichloromethane      | 7.823  | 83   | 21303    | 16.782  | ug/l   | 95       |
| 48) Methyl methacrylate       | 7.701  | 41   | 22371    | 19.810  | ug/l   | 91       |
| 49) 1,4-Dioxane               | 7.671  | 88   | 10072    | 457.030 | ug/l # | 96       |
| 51) 4-Methyl-2-Pentanone      | 8.579  | 43   | 160272   | 108.550 | ug/l   | 89       |
| 52) Toluene                   | 8.726  | 92   | 44728    | 19.030  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 24974    | 16.986  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.372  | 75   | 27737    | 17.479  | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane     | 9.159  | 97   | 18848    | 19.753  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 29471    | 19.128  | ug/l # | 84       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 33748    | 20.570  | ug/l   | 95       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 82199    | 97.679  | ug/l   | 95       |
| 59) 2-Hexanone                | 9.433  | 43   | 120329   | 108.144 | ug/l   | 89       |
| 60) Dibromochloromethane      | 9.524  | 129  | 14289    | 15.783  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 18956    | 19.931  | ug/l   | 96       |
| 64) Tetrachloroethene         | 9.274  | 164  | 14022    | 18.022  | ug/l # | 86       |
| 65) Chlorobenzene             | 10.079 | 112  | 46606    | 19.018  | ug/l   | 94       |
| 66) 1,1,1,2-Tetrachloroethane | 10.164 | 131  | 14483    | 17.171  | ug/l   | 96       |
| 67) Ethyl Benzene             | 10.195 | 91   | 81825    | 18.076  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.305 | 106  | 61266    | 35.943  | ug/l   | 97       |
| 69) o-Xylene                  | 10.646 | 106  | 30576    | 18.453  | ug/l   | 99       |
| 70) Styrene                   | 10.658 | 104  | 50085    | 18.443  | ug/l   | 97       |
| 71) Bromoform                 | 10.805 | 173  | 8173     | 14.418  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.963 | 105  | 75910    | 17.374  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.847 | 43   | 42600    | 20.189  | ug/l   | 91       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 29439    | 20.140  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.243 | 75   | 26572m   | 20.673  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 16904    | 18.368  | ug/l   | 86       |
| 78) n-propylbenzene           | 11.304 | 91   | 88690    | 17.325  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 11.365 | 91   | 55663    | 17.967  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.457 | 105  | 64710    | 17.908  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.024 | 75   | 7512     | 14.380  | ug/l # | 83       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 65909    | 18.382  | ug/l   | 95       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 56161    | 16.294  | ug/l   | 91       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 66900    | 18.370  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 11.896 | 105  | 70840    | 16.114  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 60033    | 16.194  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.975 | 146  | 31444    | 17.698  | ug/l   | 94       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 32879    | 17.877  | ug/l   | 95       |
| 89) n-Butylbenzene            | 12.335 | 91   | 52950    | 15.372  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.542 | 117  | 7961     | 13.353  | ug/l   | 72       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 31497    | 18.455  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.944 | 75   | 5085     | 16.407  | ug/l   | 80       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 16540    | 16.111  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 13.731 | 225  | 5330     | 13.465  | ug/l   | 96       |
| 95) Naphthalene               | 13.780 | 128  | 73883    | 18.264  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 17516    | 16.866  | ug/l   | 96       |

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Sample : VSTDICC020  
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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
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Manual Integrations  
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Quant Time: Jun 07 12:35:37 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X060721W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 07 12:33:21 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

