

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX020722\  
 Data File : VX026777.D  
 Acq On : 07 Feb 2022 12:10  
 Operator : JC/MD  
 Sample : VX0207WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0207WBS01

Quant Time: Feb 07 23:27:15 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011122W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 11 14:45:13 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/08/2022  
 Supervised By : Mahesh Dadoda 02/08/2022

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 97225      | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 153810     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 139729     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 64673      | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 59392      | 43.730   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 87.460%  |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 49208      | 49.542   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 99.080%  |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 180073     | 50.310   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 100.620% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 68631      | 53.977   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 107.960% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.172          | 85   | 16622      | 14.478   | ug/l   | 99       |
| 3) Chloromethane             | 1.294          | 50   | 16271      | 15.460   | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.380          | 62   | 16881      | 15.277   | ug/l   | 100      |
| 5) Bromomethane              | 1.617          | 94   | 9828       | 19.281   | ug/l   | 90       |
| 6) Chloroethane              | 1.691          | 64   | 9443       | 16.900   | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 1.892          | 101  | 27508      | 15.768   | ug/l   | 98       |
| 8) Diethyl Ether             | 2.136          | 74   | 10103      | 16.365   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.337          | 101  | 19227      | 18.085   | ug/l   | 97       |
| 10) Methyl Iodide            | 2.459          | 142  | 21845      | 21.835   | ug/l   | 95       |
| 11) Tert butyl alcohol       | 2.989          | 59   | 17568m     | 92.984   | ug/l   |          |
| 12) 1,1-Dichloroethene       | 2.325          | 96   | 17467      | 17.202   | ug/l   | 96       |
| 13) Acrolein                 | 2.245          | 56   | 13515      | 67.318   | ug/l   | 100      |
| 14) Allyl chloride           | 2.666          | 41   | 32008      | 17.141   | ug/l   | 96       |
| 15) Acrylonitrile            | 3.068          | 53   | 57268      | 98.467   | ug/l   | 99       |
| 16) Acetone                  | 2.392          | 43   | 59098      | 85.327   | ug/l   | 94       |
| 17) Carbon Disulfide         | 2.520          | 76   | 40242      | 13.575   | ug/l   | 98       |
| 18) Methyl Acetate           | 2.709          | 43   | 27079      | 19.666   | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 65908      | 17.889   | ug/l   | 95       |
| 20) Methylene Chloride       | 2.794          | 84   | 20528      | 17.939   | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 3.099          | 96   | 18961      | 17.249   | ug/l   | 93       |
| 22) Diisopropyl ether        | 3.757          | 45   | 69731      | 18.384   | ug/l # | 84       |
| 23) Vinyl Acetate            | 3.721          | 43   | 280475     | 89.832   | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 36864      | 17.996   | ug/l   | 99       |
| 25) 2-Butanone               | 4.562          | 43   | 83423      | 92.618   | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.483          | 77   | 27700      | 18.243   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.495          | 96   | 23273      | 18.551   | ug/l   | 97       |
| 28) Bromochloromethane       | 4.903          | 49   | 13193      | 15.685   | ug/l   | 96       |
| 29) Tetrahydrofuran          | 5.013          | 42   | 51479      | 96.231   | ug/l   | 99       |
| 30) Chloroform               | 5.099          | 83   | 38883      | 18.269   | ug/l   | 100      |
| 31) Cyclohexane              | 5.470          | 56   | 31340      | 15.645   | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 33368      | 17.823   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.702          | 75   | 26874      | 17.139   | ug/l   | 97       |
| 37) Ethyl Acetate            | 4.721          | 43   | 31030      | 19.563   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.684          | 117  | 29788      | 18.469   | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.379          | 83   | 33081      | 17.491   | ug/l   | 97       |
| 40) Benzene                  | 6.043          | 78   | 80490      | 18.572   | ug/l   | 99       |

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 Sample : VX0207WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0207WBS01

Quant Time: Feb 07 23:27:15 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011122W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 11 14:45:13 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/08/2022  
 Supervised By : Mahesh Dadoda 02/08/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 17474    | 19.448  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 30830    | 18.182  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 49783    | 19.430  | ug/l   | 99       |
| 44) Trichloroethene           | 7.129  | 130  | 24709    | 20.092  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 7.433  | 63   | 21471    | 19.847  | ug/l   | 100      |
| 46) Dibromomethane            | 7.580  | 93   | 14872    | 19.502  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.824  | 83   | 30177    | 19.585  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.696  | 41   | 24609    | 19.381  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.696  | 88   | 7240     | 347.447 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 159603   | 105.022 | ug/l   | 99       |
| 52) Toluene                   | 8.720  | 92   | 53226    | 20.027  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 29715    | 19.241  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 33100    | 20.000  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 22170    | 21.376  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 33119    | 20.837  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 37100    | 20.633  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 78554    | 94.253  | ug/l   | 98       |
| 59) 2-Hexanone                | 9.433  | 43   | 118717   | 102.065 | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.518  | 129  | 23414    | 21.664  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 22518    | 20.836  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 27611    | 20.918  | ug/l   | 93       |
| 65) Chlorobenzene             | 10.079 | 112  | 57721    | 19.616  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 22298    | 20.395  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 102253   | 19.123  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.305 | 106  | 78467    | 39.212  | ug/l   | 97       |
| 69) o-Xylene                  | 10.640 | 106  | 37924    | 19.641  | ug/l   | 99       |
| 70) Styrene                   | 10.658 | 104  | 64446    | 20.454  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 16001    | 20.509  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 102449   | 19.326  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 37912    | 18.525  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 26633    | 18.717  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 28395m   | 19.941  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 24078    | 19.826  | ug/l   | 96       |
| 78) n-propylbenzene           | 11.305 | 91   | 115240   | 19.063  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 69939    | 19.079  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 85685    | 19.606  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 8119     | 21.170  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 79912    | 18.967  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 77820    | 19.074  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 84771    | 19.393  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 104812   | 19.861  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 88658    | 20.024  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 43944    | 19.304  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 44237    | 19.199  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.335 | 91   | 74521    | 19.614  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.542 | 117  | 13252    | 19.332  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 42338    | 19.681  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 6033     | 17.543  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 26897    | 19.502  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 12166    | 20.896  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 89222    | 19.395  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 26922    | 19.849  | ug/l   | 99       |

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Manual Integrations  
APPROVED

Reviewed By :John Carlone 02/08/2022  
Supervised By :Mahesh Dadoda 02/08/2022

Quant Time: Feb 07 23:27:15 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011122W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 11 14:45:13 2022  
Response via : Initial Calibration

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

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

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