

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030223\  
 Data File : VX034299.D  
 Acq On : 02 Mar 2023 11:00  
 Operator : JC/MD  
 Sample : VX0302WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0302WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 03/03/2023  
 Supervised By : Mahesh Dadoda 03/03/2023

Quant Time: Mar 03 00:20:37 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 17 12:33:35 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 277398     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 454235     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 403565     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 201758     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 170177     | 45.552   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 91.100%  |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 145394     | 49.161   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 98.320%  |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 534525     | 50.339   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 100.680% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 201714     | 49.663   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 99.320%  |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 45951      | 19.170   | ug/l   | 97       |
| 3) Chloromethane             | 1.301          | 50   | 64852      | 18.801   | ug/l   | 97       |
| 4) Vinyl Chloride            | 1.374          | 62   | 66580      | 21.194   | ug/l   | 99       |
| 5) Bromomethane              | 1.605          | 94   | 39863      | 30.970   | ug/l   | 97       |
| 6) Chloroethane              | 1.685          | 64   | 38613      | 24.450   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 97300      | 22.894   | ug/l   | 97       |
| 8) Diethyl Ether             | 2.136          | 74   | 35651      | 20.821   | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 52004      | 17.375   | ug/l   | 95       |
| 10) Methyl Iodide            | 2.453          | 142  | 61976      | 17.006   | ug/l   | 93       |
| 11) Tert butyl alcohol       | 2.959          | 59   | 67618      | 80.923   | ug/l # | 85       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 52087      | 17.360   | ug/l   | 96       |
| 13) Acrolein                 | 2.233          | 56   | 44571      | 116.853  | ug/l   | 99       |
| 14) Allyl chloride           | 2.666          | 41   | 100568     | 15.801   | ug/l   | 90       |
| 15) Acrylonitrile            | 3.062          | 53   | 159043     | 87.250   | ug/l   | 99       |
| 16) Acetone                  | 2.380          | 43   | 167005     | 86.659   | ug/l   | 95       |
| 17) Carbon Disulfide         | 2.514          | 76   | 144318     | 16.730   | ug/l   | 99       |
| 18) Methyl Acetate           | 2.703          | 43   | 102110     | 17.124   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 181612     | 17.150   | ug/l   | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 59937      | 17.261   | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 55732      | 17.727   | ug/l   | 100      |
| 22) Diisopropyl ether        | 3.764          | 45   | 200901     | 18.005   | ug/l   | 94       |
| 23) Vinyl Acetate            | 3.721          | 43   | 788712     | 88.227   | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 104087     | 16.993   | ug/l   | 99       |
| 25) 2-Butanone               | 4.556          | 43   | 239030     | 85.722   | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 91472      | 16.484   | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 65964      | 17.718   | ug/l   | 96       |
| 28) Bromochloromethane       | 4.897          | 49   | 53780      | 19.681   | ug/l   | 88       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 146612     | 86.188   | ug/l   | 100      |
| 30) Chloroform               | 5.099          | 83   | 103081     | 17.525   | ug/l   | 99       |
| 31) Cyclohexane              | 5.471          | 56   | 97684      | 17.513   | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 91326      | 17.321   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 77031      | 17.612   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.715          | 43   | 87462      | 17.892   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 79920      | 17.757   | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.379          | 83   | 101369     | 18.009   | ug/l   | 97       |
| 40) Benzene                  | 6.037          | 78   | 238975     | 18.437   | ug/l   | 97       |

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 Sample : VX0302WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0302WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 03/03/2023  
 Supervised By : Mahesh Dadoda 03/03/2023

Quant Time: Mar 03 00:20:37 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 17 12:33:35 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 47201    | 17.331  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 81215    | 17.815  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.336  | 43   | 150056   | 17.396  | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 62346    | 18.743  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 62571    | 18.134  | ug/l   | 100      |
| 46) Dibromomethane            | 7.580  | 93   | 41475    | 18.264  | ug/l   | 89       |
| 47) Bromodichloromethane      | 7.818  | 83   | 79919    | 17.149  | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.690  | 41   | 70302    | 17.171  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.653  | 88   | 30975    | 379.299 | ug/l # | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 450114   | 94.843  | ug/l   | 99       |
| 52) Toluene                   | 8.720  | 92   | 149795   | 19.073  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 91776    | 17.108  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 99310    | 17.293  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 60425    | 19.061  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 96329    | 17.962  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 103345   | 18.737  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 234494   | 100.938 | ug/l   | 95       |
| 59) 2-Hexanone                | 9.427  | 43   | 349401   | 96.603  | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.519  | 129  | 63477    | 18.122  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 63294    | 18.878  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 53529    | 18.794  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.079 | 112  | 160489   | 19.078  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 58795    | 18.054  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 283660   | 18.769  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 219784   | 38.001  | ug/l   | 96       |
| 69) o-Xylene                  | 10.640 | 106  | 109605   | 19.036  | ug/l   | 96       |
| 70) Styrene                   | 10.659 | 104  | 178347   | 19.045  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 46518    | 17.500  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 280262   | 18.227  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 132384   | 17.137  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 93463    | 17.771  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 74533m   | 14.681  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 68547    | 18.524  | ug/l   | 89       |
| 78) n-propylbenzene           | 11.305 | 91   | 321147   | 17.958  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 196512   | 17.921  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 233994   | 18.100  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 30990    | 15.681  | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 220993   | 17.694  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 240124   | 18.136  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 235437   | 18.012  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 290413   | 18.062  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 242180   | 18.200  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 130921   | 18.865  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 128064   | 18.296  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.335 | 91   | 206326   | 17.409  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.536 | 117  | 44609    | 16.034  | ug/l   | 85       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 124713   | 18.367  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 18443    | 14.706  | ug/l   | 86       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 76136    | 17.466  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 31284    | 17.312  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 254078   | 17.302  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 75748    | 17.503  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030223\  
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Sample : VX0302WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0302WBS01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 03/03/2023  
Supervised By :Mahesh Dadoda 03/03/2023

Quant Time: Mar 03 00:20:37 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021723W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 17 12:33:35 2023  
Response via : Initial Calibration

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

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

