

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX020624\  
 Data File : VX040138.D  
 Acq On : 06 Feb 2024 14:53  
 Operator : JC/MD  
 Sample : VX0206WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0206WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/07/2024  
 Supervised By : Mahesh Dadoda 02/07/2024

Quant Time: Feb 07 00:35:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X013024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 01 05:44:39 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 103524     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 178692     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 156561     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 82422      | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 61162      | 36.710   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 73.420%# |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 53731      | 44.172   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 88.340%  |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 158048     | 34.743   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 69.480%# |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 81640      | 46.608   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 93.220%  |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 26236      | 22.500   | ug/l   | 97       |
| 3) Chloromethane             | 1.294          | 50   | 19226      | 17.386   | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 16716      | 16.345   | ug/l   | 100      |
| 5) Bromomethane              | 1.605          | 94   | 12698      | 12.772   | ug/l   | 96       |
| 6) Chloroethane              | 1.684          | 64   | 10499      | 15.550   | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 24506      | 15.060   | ug/l   | 100      |
| 8) Diethyl Ether             | 2.130          | 74   | 9573       | 16.641   | ug/l   | 91       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 23544      | 19.392   | ug/l   | 97       |
| 10) Methyl Iodide            | 2.453          | 142  | 26248      | 20.309   | ug/l   | 89       |
| 11) Tert butyl alcohol       | 2.953          | 59   | 32374      | 107.089  | ug/l # | 92       |
| 12) 1,1-Dichloroethene       | 2.318          | 96   | 22450      | 19.281   | ug/l   | 89       |
| 13) Acrolein                 | 2.239          | 56   | 23368      | 80.679   | ug/l   | 100      |
| 14) Allyl chloride           | 2.666          | 41   | 42510      | 20.254   | ug/l   | 97       |
| 15) Acrylonitrile            | 3.062          | 53   | 81461      | 107.571  | ug/l   | 99       |
| 16) Acetone                  | 2.379          | 43   | 73282      | 93.874   | ug/l   | 94       |
| 17) Carbon Disulfide         | 2.514          | 76   | 57902      | 17.008   | ug/l   | 100      |
| 18) Methyl Acetate           | 2.703          | 43   | 47620      | 25.750   | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 83549      | 20.947   | ug/l   | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 28036      | 20.209   | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 24965      | 19.469   | ug/l   | 92       |
| 22) Diisopropyl ether        | 3.757          | 45   | 80483      | 19.796   | ug/l   | 97       |
| 23) Vinyl Acetate            | 3.721          | 43   | 344053     | 94.560   | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 45068      | 19.355   | ug/l   | 98       |
| 25) 2-Butanone               | 4.550          | 43   | 101432     | 93.471   | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.483          | 77   | 27213      | 14.978   | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 4.495          | 96   | 21808      | 15.242   | ug/l   | 99       |
| 28) Bromochloromethane       | 4.897          | 49   | 22276      | 20.516   | ug/l   | 100      |
| 29) Tetrahydrofuran          | 5.007          | 42   | 70337      | 101.940  | ug/l   | 97       |
| 30) Chloroform               | 5.092          | 83   | 47784      | 19.112   | ug/l   | 98       |
| 31) Cyclohexane              | 5.470          | 56   | 37344      | 17.894   | ug/l   | 91       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 37483      | 17.469   | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 33480      | 19.031   | ug/l   | 96       |
| 37) Ethyl Acetate            | 4.714          | 43   | 38440      | 20.007   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 32368      | 19.229   | ug/l   | 95       |
| 39) Methylcyclohexane        | 7.379          | 83   | 35425      | 16.550   | ug/l   | 96       |
| 40) Benzene                  | 6.037          | 78   | 92156      | 17.985   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX020624\  
 Data File : VX040138.D  
 Acq On : 06 Feb 2024 14:53  
 Operator : JC/MD  
 Sample : VX0206WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0206WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/07/2024  
 Supervised By : Mahesh Dadoda 02/07/2024

Quant Time: Feb 07 00:35:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X013024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 01 05:44:39 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 21253    | 21.812  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 37836    | 19.182  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.336  | 43   | 61940    | 20.443  | ug/l   | 98       |
| 44) Trichloroethene           | 7.129  | 130  | 19015    | 14.102  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 7.433  | 63   | 25420    | 18.790  | ug/l   | 95       |
| 46) Dibromomethane            | 7.580  | 93   | 18761    | 18.475  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.824  | 83   | 32561    | 18.004  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.689  | 41   | 29800    | 19.966  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 13357    | 411.834 | ug/l # | 91       |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 180906   | 87.468  | ug/l   | 95       |
| 52) Toluene                   | 8.720  | 92   | 55784    | 17.467  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 31487    | 16.786  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 27232    | 13.606  | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 24609    | 18.616  | ug/l   | 93       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 38218    | 19.798  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 42947    | 19.724  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 65622    | 67.601  | ug/l   | 91       |
| 59) 2-Hexanone                | 9.427  | 43   | 169171   | 102.587 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.518  | 129  | 24801    | 18.671  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 25678    | 17.967  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.268  | 164  | 21065    | 20.678  | ug/l   | 95       |
| 65) Chlorobenzene             | 10.079 | 112  | 67039    | 20.716  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 20872    | 19.099  | ug/l   | 95       |
| 67) Ethyl Benzene             | 10.195 | 91   | 123412   | 21.255  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 83682    | 38.310  | ug/l   | 96       |
| 69) o-Xylene                  | 10.640 | 106  | 44814    | 21.629  | ug/l   | 97       |
| 70) Styrene                   | 10.652 | 104  | 76282    | 21.844  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 16886    | 20.021  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 111694   | 18.872  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 46089    | 17.077  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 40389    | 18.151  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 32249m   | 18.373  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 27722    | 20.305  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 132862   | 18.242  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 82707    | 18.863  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 99461    | 19.549  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 9187     | 18.253  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 99151    | 19.702  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 89139    | 18.309  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 91769    | 18.076  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 120857   | 18.737  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 102919   | 19.540  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 54782    | 19.890  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 56353    | 19.988  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 87556    | 17.127  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.536 | 117  | 14182    | 17.440  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 51792    | 19.503  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 7181     | 14.237  | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 28834    | 17.370  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 9140     | 13.978  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 110799   | 19.652  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 31000    | 18.887  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX020624\  
Data File : VX040138.D  
Acq On : 06 Feb 2024 14:53  
Operator : JC/MD  
Sample : VX0206WBSD01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0206WBSD01

Manual Integrations  
APPROVED

Reviewed By : John Carlone 02/07/2024  
Supervised By : Mahesh Dadoda 02/07/2024

Quant Time: Feb 07 00:35:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X013024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 01 05:44:39 2024  
Response via : Initial Calibration

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

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

