

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX010524\  
 Data File : VX039641.D  
 Acq On : 05 Jan 2024 12:10  
 Operator : JC/MD  
 Sample : VX0105WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0105WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 01/08/2024  
 Supervised By : Mahesh Dadoda 01/08/2024

Quant Time: Jan 05 22:20:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 14 01:28:15 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 96127      | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 172876     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 160003     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 81207      | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 87725      | 49.816   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 99.640%  |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 63625      | 53.273   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 106.540% |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 233973     | 52.769   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 105.540% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 95686      | 52.304   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 104.600% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 23464      | 17.371   | ug/l   | 98       |
| 3) Chloromethane             | 1.294          | 50   | 27085      | 18.087   | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 25375      | 18.220   | ug/l   | 98       |
| 5) Bromomethane              | 1.605          | 94   | 17295      | 21.585   | ug/l   | 92       |
| 6) Chloroethane              | 1.691          | 64   | 15366      | 18.309   | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 1.892          | 101  | 37536      | 18.406   | ug/l   | 95       |
| 8) Diethyl Ether             | 2.130          | 74   | 15040      | 21.309   | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 23810      | 19.133   | ug/l   | 96       |
| 10) Methyl Iodide            | 2.453          | 142  | 23091      | 17.951   | ug/l   | 92       |
| 11) Tert butyl alcohol       | 2.946          | 59   | 40497      | 91.578   | ug/l # | 94       |
| 12) 1,1-Dichloroethene       | 2.318          | 96   | 21910      | 17.724   | ug/l   | 95       |
| 13) Acrolein                 | 2.233          | 56   | 31168      | 88.350   | ug/l   | 100      |
| 14) Allyl chloride           | 2.666          | 41   | 45346      | 18.108   | ug/l   | 96       |
| 15) Acrylonitrile            | 3.056          | 53   | 91476      | 103.346  | ug/l   | 99       |
| 16) Acetone                  | 2.373          | 43   | 93627      | 75.001   | ug/l   | 93       |
| 17) Carbon Disulfide         | 2.514          | 76   | 56441      | 15.602   | ug/l   | 99       |
| 18) Methyl Acetate           | 2.696          | 43   | 83941      | 22.038   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.105          | 73   | 87658      | 19.607   | ug/l   | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 27770      | 18.917   | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 23853      | 17.733   | ug/l   | 93       |
| 22) Diisopropyl ether        | 3.751          | 45   | 92550      | 20.303   | ug/l   | 92       |
| 23) Vinyl Acetate            | 3.715          | 43   | 332157     | 97.878   | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 49014      | 19.021   | ug/l   | 98       |
| 25) 2-Butanone               | 4.544          | 43   | 136748     | 89.990   | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 38105      | 16.939   | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 28897      | 19.464   | ug/l   | 100      |
| 28) Bromochloromethane       | 4.897          | 49   | 26496      | 21.074   | ug/l   | 95       |
| 29) Tetrahydrofuran          | 4.995          | 42   | 87342      | 104.079  | ug/l   | 98       |
| 30) Chloroform               | 5.086          | 83   | 49712      | 19.305   | ug/l   | 99       |
| 31) Cyclohexane              | 5.464          | 56   | 40749      | 17.916   | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 39975      | 17.882   | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 34491      | 18.301   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.708          | 43   | 44933      | 19.298   | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 31508      | 17.518   | ug/l   | 94       |
| 39) Methylcyclohexane        | 7.379          | 83   | 42686      | 18.856   | ug/l   | 99       |
| 40) Benzene                  | 6.037          | 78   | 103834     | 19.477   | ug/l   | 97       |

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 Sample : VX0105WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0105WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 01/08/2024  
 Supervised By : Mahesh Dadoda 01/08/2024

Quant Time: Jan 05 22:20:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 14 01:28:15 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.910  | 41   | 25029    | 20.147  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 41548    | 19.253  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.336  | 43   | 75936    | 20.055  | ug/l   | 98       |
| 44) Trichloroethene           | 7.123  | 130  | 25209    | 18.738  | ug/l   | 86       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 29079    | 20.324  | ug/l   | 98       |
| 46) Dibromomethane            | 7.580  | 93   | 19742    | 19.628  | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.818  | 83   | 37929    | 19.723  | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.689  | 41   | 44884    | 20.277  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 7.653  | 88   | 13683    | 458.582 | ug/l # | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.567  | 43   | 259690   | 107.646 | ug/l   | 98       |
| 52) Toluene                   | 8.714  | 92   | 63152    | 19.626  | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 39288    | 18.556  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 43500    | 19.095  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 27608    | 20.552  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 34669    | 21.141  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 47640    | 20.514  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 111623   | 115.919 | ug/l   | 94       |
| 59) 2-Hexanone                | 9.427  | 43   | 207382   | 99.606  | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.518  | 129  | 26177    | 19.268  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 28872    | 20.133  | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.268  | 164  | 19519    | 18.668  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.079 | 112  | 68552    | 19.629  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 23962    | 19.424  | ug/l   | 97       |
| 67) Ethyl Benzene             | 10.189 | 91   | 126612   | 19.476  | ug/l   | 96       |
| 68) m/p-Xylenes               | 10.299 | 106  | 90959    | 39.024  | ug/l   | 94       |
| 69) o-Xylene                  | 10.640 | 106  | 44431    | 19.715  | ug/l   | 94       |
| 70) Styrene                   | 10.652 | 104  | 65400    | 19.850  | ug/l   | 96       |
| 71) Bromoform                 | 10.799 | 173  | 17262    | 18.826  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 120279   | 19.197  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 60984    | 19.238  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 49304    | 21.153  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 40482m   | 19.268  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 26908    | 19.421  | ug/l   | 92       |
| 78) n-propylbenzene           | 11.305 | 91   | 146182   | 18.936  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 86680    | 18.563  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 103662   | 19.421  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 11832    | 15.887  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 103053   | 18.790  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 98176    | 19.327  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 104014   | 19.003  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 126256   | 19.533  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 102720   | 18.936  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 52216    | 19.183  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 53278    | 18.799  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.329 | 91   | 103202   | 19.353  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.536 | 117  | 17294    | 17.649  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 51940    | 19.943  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 10937    | 17.815  | ug/l   | 100      |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 32828    | 19.250  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 13106    | 20.393  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 122657   | 20.653  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 32227    | 19.575  | ug/l   | 97       |

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Sample : VX0105WBSD01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0105WBSD01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 01/08/2024  
Supervised By :Mahesh Dadoda 01/08/2024

Quant Time: Jan 05 22:20:07 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 14 01:28:15 2023  
Response via : Initial Calibration

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

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

