

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092922\  
 Data File : VX031779.D  
 Acq On : 29 Sep 2022 17:28  
 Operator : JC/MD  
 Sample : VX0929WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0929WBSD01

Quant Time: Sep 30 04:35:25 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092622W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 27 01:44:18 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 09/30/2022  
 Supervised By : Mahesh Dadoda 10/06/2022

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 72062      | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 112459     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 124902     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 96174      | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 69447      | 45.407  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 90.820% |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 62493      | 46.638  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 93.280% |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 227273     | 46.784  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 93.560% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 87396      | 49.084  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 98.160% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 17972      | 20.492  | ug/l   | 97       |
| 3) Chloromethane             | 1.288          | 50   | 16259      | 19.056  | ug/l   | 96       |
| 4) Vinyl Chloride            | 1.368          | 62   | 22008      | 18.235  | ug/l   | 98       |
| 5) Bromomethane              | 1.611          | 94   | 12271      | 6.237   | ug/l   | 100      |
| 6) Chloroethane              | 1.685          | 64   | 21001      | 13.781  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 50516      | 14.998  | ug/l   | 98       |
| 8) Diethyl Ether             | 2.130          | 74   | 17713      | 18.550  | ug/l   | 71       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 20503      | 21.404  | ug/l   | 92       |
| 10) Methyl Iodide            | 2.447          | 142  | 8639       | 9.201   | ug/l   | 100      |
| 11) Tert butyl alcohol       | 2.989          | 59   | 23230      | 100.961 | ug/l   | 96       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 18337      | 23.446  | ug/l   | 84       |
| 13) Acrolein                 | 2.239          | 56   | 7954       | 66.064  | ug/l   | 100      |
| 14) Allyl chloride           | 2.666          | 41   | 23590      | 18.718  | ug/l # | 91       |
| 15) Acrylonitrile            | 3.068          | 53   | 49933      | 94.071  | ug/l   | 99       |
| 16) Acetone                  | 2.386          | 43   | 41640      | 106.685 | ug/l   | 97       |
| 17) Carbon Disulfide         | 2.508          | 76   | 31949      | 18.951  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.703          | 43   | 27167      | 19.766  | ug/l # | 87       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 69767      | 20.509  | ug/l   | 97       |
| 20) Methylene Chloride       | 2.788          | 84   | 22114      | 21.914  | ug/l # | 85       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 21053      | 19.881  | ug/l   | 88       |
| 22) Diisopropyl ether        | 3.763          | 45   | 59337      | 18.294  | ug/l # | 94       |
| 23) Vinyl Acetate            | 3.721          | 43   | 232566     | 90.661  | ug/l # | 92       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 37796      | 20.212  | ug/l   | 98       |
| 25) 2-Butanone               | 4.562          | 43   | 66527      | 91.127  | ug/l # | 89       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 26586      | 17.517  | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 26142      | 20.157  | ug/l   | 85       |
| 28) Bromochloromethane       | 4.897          | 49   | 15395      | 17.599  | ug/l # | 70       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 42041      | 91.670  | ug/l # | 85       |
| 30) Chloroform               | 5.092          | 83   | 46022      | 20.006  | ug/l   | 99       |
| 31) Cyclohexane              | 5.470          | 56   | 27957      | 19.225  | ug/l   | 88       |
| 32) 1,1,1-Trichloroethane    | 5.391          | 97   | 39242      | 20.596  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 30140      | 19.586  | ug/l   | 97       |
| 37) Ethyl Acetate            | 4.714          | 43   | 26905      | 17.334  | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 34809      | 20.071  | ug/l   | 96       |
| 39) Methylcyclohexane        | 7.379          | 83   | 33175      | 18.921  | ug/l   | 88       |
| 40) Benzene                  | 6.044          | 78   | 89326      | 18.900  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092922\  
 Data File : VX031779.D  
 Acq On : 29 Sep 2022 17:28  
 Operator : JC/MD  
 Sample : VX0929WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0929WBSD01

Quant Time: Sep 30 04:35:25 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092622W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 27 01:44:18 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 09/30/2022  
 Supervised By :Mahesh Dadoda 10/06/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 14772    | 18.703  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 34065    | 18.636  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 42397    | 17.355  | ug/l # | 92       |
| 44) Trichloroethene           | 7.123  | 130  | 26347    | 19.736  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 21215    | 18.495  | ug/l   | 94       |
| 46) Dibromomethane            | 7.580  | 93   | 18279    | 19.843  | ug/l   | 92       |
| 47) Bromodichloromethane      | 7.824  | 83   | 33147    | 19.940  | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.696  | 41   | 20842    | 19.399  | ug/l   | 89       |
| 49) 1,4-Dioxane               | 7.696  | 88   | 11324    | 408.734 | ug/l   | 89       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 142526   | 92.171  | ug/l   | 94       |
| 52) Toluene                   | 8.720  | 92   | 62305    | 19.776  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 29845    | 16.844  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 32958    | 19.078  | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 26598    | 19.609  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 34706    | 19.998  | ug/l   | 88       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 40938    | 19.057  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 74311    | 86.958  | ug/l # | 88       |
| 59) 2-Hexanone                | 9.433  | 43   | 105441   | 91.391  | ug/l   | 91       |
| 60) Dibromochloromethane      | 9.525  | 129  | 26302    | 17.636  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 28428    | 20.646  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 26275    | 19.681  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.079 | 112  | 71493    | 20.546  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 25277    | 20.189  | ug/l   | 96       |
| 67) Ethyl Benzene             | 10.195 | 91   | 120234   | 20.312  | ug/l   | 96       |
| 68) m/p-Xylenes               | 10.305 | 106  | 98679    | 41.490  | ug/l   | 95       |
| 69) o-Xylene                  | 10.640 | 106  | 47708    | 20.522  | ug/l   | 97       |
| 70) Styrene                   | 10.659 | 104  | 80275    | 21.214  | ug/l   | 95       |
| 71) Bromoform                 | 10.799 | 173  | 17867    | 18.089  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 127951   | 20.572  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.848 | 43   | 37968    | 18.819  | ug/l   | 91       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 39724    | 20.101  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 33732m   | 19.347  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 32757    | 20.718  | ug/l   | 88       |
| 78) n-propylbenzene           | 11.305 | 91   | 145010   | 20.952  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 86662    | 20.277  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 110957   | 21.045  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 7306     | 16.438  | ug/l   | 86       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 101254   | 20.507  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 112571   | 22.141  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 112329   | 21.524  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 135751   | 21.010  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 118165   | 21.207  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 62473    | 20.381  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 66045    | 20.584  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.335 | 91   | 92463    | 20.314  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.536 | 117  | 16878    | 18.890  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 64113    | 20.886  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 8227     | 20.775  | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 38017    | 21.178  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 14274    | 20.392  | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 134782   | 22.478  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 38821    | 21.072  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092922\  
Data File : VX031779.D  
Acq On : 29 Sep 2022 17:28  
Operator : JC/MD  
Sample : VX0929WBSD01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0929WBSD01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 09/30/2022  
Supervised By :Mahesh Dadoda 10/06/2022

Quant Time: Sep 30 04:35:25 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092622W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 27 01:44:18 2022  
Response via : Initial Calibration

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

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

