

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082923\  
 Data File : VX037334.D  
 Acq On : 29 Aug 2023 12:01  
 Operator : JC/MD  
 Sample : VX0829WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0829WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/30/2023  
 Supervised By : Mahesh Dadoda 08/31/2023

Quant Time: Aug 30 02:05:24 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 18 09:30:38 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                        |                |      |                     |        |        |          |
| Internal Standards           |                |      |                     |        |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 132043              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 226751              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 214728              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 112586              | 50.000 | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 99267               | 52.146 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 104.300% |        |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 83364               | 55.512 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 111.020% |        |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 289703              | 53.183 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 106.360% |        |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 119685              | 55.909 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 111.820% |        |        |          |
| Target Compounds             |                |      |                     |        |        |          |
|                              |                |      |                     |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 28613               | 18.655 | ug/l   | 96       |
| 3) Chloromethane             | 1.300          | 50   | 27548               | 20.529 | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.374          | 62   | 27831               | 19.054 | ug/l   | 97       |
| 5) Bromomethane              | 1.599          | 94   | 14268               | 19.611 | ug/l   | 96       |
| 6) Chloroethane              | 1.678          | 64   | 18757               | 21.823 | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 42613               | 17.810 | ug/l   | 98       |
| 8) Diethyl Ether             | 2.130          | 74   | 17901               | 19.338 | ug/l   | 77       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 24890               | 17.832 | ug/l   | 97       |
| 10) Methyl Iodide            | 2.447          | 142  | 32273               | 19.024 | ug/l   | 94       |
| 11) Tert butyl alcohol       | 2.965          | 59   | 38817               | 86.927 | ug/l # | 92       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 23794               | 17.505 | ug/l   | 81       |
| 13) Acrolein                 | 2.233          | 56   | 26492               | 77.984 | ug/l   | 100      |
| 14) Allyl chloride           | 2.660          | 41   | 37143               | 17.655 | ug/l # | 90       |
| 15) Acrylonitrile            | 3.062          | 53   | 76408               | 95.866 | ug/l   | 99       |
| 16) Acetone                  | 2.379          | 43   | 68899               | 92.517 | ug/l # | 87       |
| 17) Carbon Disulfide         | 2.508          | 76   | 56327               | 16.292 | ug/l   | 100      |
| 18) Methyl Acetate           | 2.703          | 43   | 51293               | 18.293 | ug/l # | 88       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 95393               | 18.505 | ug/l   | 98       |
| 20) Methylene Chloride       | 2.788          | 84   | 31907               | 19.159 | ug/l # | 86       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 27221               | 17.617 | ug/l   | 87       |
| 22) Diisopropyl ether        | 3.757          | 45   | 80157               | 18.567 | ug/l # | 95       |
| 23) Vinyl Acetate            | 3.721          | 43   | 303613              | 91.772 | ug/l # | 90       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 49779               | 18.387 | ug/l   | 96       |
| 25) 2-Butanone               | 4.556          | 43   | 103559              | 92.354 | ug/l # | 87       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 39968               | 16.531 | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 33239               | 18.247 | ug/l   | 88       |
| 28) Bromochloromethane       | 4.897          | 49   | 28221               | 23.335 | ug/l # | 74       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 64047               | 89.563 | ug/l # | 81       |
| 30) Chloroform               | 5.092          | 83   | 54793               | 18.029 | ug/l   | 97       |
| 31) Cyclohexane              | 5.470          | 56   | 39448               | 18.430 | ug/l   | 87       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 46829               | 17.195 | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 36946               | 17.317 | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.714          | 43   | 38778               | 17.793 | ug/l # | 92       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 39388               | 16.995 | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.379          | 83   | 45976               | 20.510 | ug/l   | 91       |
| 40) Benzene                  | 6.037          | 78   | 114627              | 18.733 | ug/l   | 97       |

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VX0829WBSD01

Manual Integrations  
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 Supervised By : Mahesh Dadoda 08/31/2023

Quant Time: Aug 30 02:05:24 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 18 09:30:38 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 20260    | 17.882  | ug/l # | 85       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 44018    | 18.344  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 62155    | 17.963  | ug/l # | 91       |
| 44) Trichloroethene           | 7.123  | 130  | 30183    | 17.396  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 7.433  | 63   | 28467    | 18.868  | ug/l   | 100      |
| 46) Dibromomethane            | 7.580  | 93   | 22692    | 19.092  | ug/l   | 94       |
| 47) Bromodichloromethane      | 7.818  | 83   | 40880    | 17.957  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.689  | 41   | 30081    | 17.827  | ug/l # | 83       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 18444    | 405.853 | ug/l # | 89       |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 199074   | 94.749  | ug/l   | 90       |
| 52) Toluene                   | 8.720  | 92   | 75229    | 18.608  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 42580    | 17.566  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 47562    | 18.157  | ug/l # | 85       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 32502    | 19.743  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 48870    | 18.952  | ug/l # | 84       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 53463    | 19.264  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 136713   | 110.478 | ug/l   | 93       |
| 59) 2-Hexanone                | 9.427  | 43   | 153720   | 95.954  | ug/l   | 88       |
| 60) Dibromochloromethane      | 9.518  | 129  | 33080    | 18.873  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 34682    | 19.242  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.275  | 164  | 24543    | 15.668  | ug/l   | 99       |
| 65) Chlorobenzene             | 10.079 | 112  | 83393    | 18.375  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 30306    | 18.093  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 142733   | 17.873  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 113852   | 36.918  | ug/l   | 97       |
| 69) o-Xylene                  | 10.640 | 106  | 56767    | 18.657  | ug/l   | 99       |
| 70) Styrene                   | 10.652 | 104  | 93063    | 18.568  | ug/l   | 97       |
| 71) Bromoform                 | 10.799 | 173  | 22878    | 18.260  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 144599   | 17.670  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.841 | 43   | 54246    | 17.060  | ug/l # | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 51727    | 18.769  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 42440m   | 17.700  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 35690    | 17.858  | ug/l   | 93       |
| 78) n-propylbenzene           | 11.305 | 91   | 163950   | 17.992  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 103319   | 17.743  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 127087   | 18.617  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 13662    | 15.915  | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 119219   | 17.736  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 124080   | 19.059  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 127445   | 18.473  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 151925   | 19.979  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 129179   | 19.734  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 66987    | 17.902  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 68614    | 17.749  | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.329 | 91   | 103258   | 19.026  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 21365    | 19.554  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 68930    | 18.813  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 11264    | 17.590  | ug/l   | 81       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 40818    | 19.039  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 17475    | 21.099  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 147066   | 15.660  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 40892    | 19.198  | ug/l   | 98       |

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ALS Vial : 6 Sample Multiplier: 1

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MSVOA\_X  
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Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/30/2023  
Supervised By :Mahesh Dadoda 08/31/2023

Quant Time: Aug 30 02:05:24 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 18 09:30:38 2023  
Response via : Initial Calibration

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

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

