

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX063023\  
 Data File : VX036385.D  
 Acq On : 30 Jun 2023 11:28  
 Operator : JC/MD  
 Sample : VX0630WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0630WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/06/2023  
 Supervised By : Mahesh Dadoda 07/07/2023

Quant Time: Jul 01 01:18:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062323W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 23 15:03:28 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 194724              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 328181              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 292867              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 142442              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 141596              | 50.729  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 101.460% |         |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 113732              | 52.558  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 105.120% |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 403790              | 49.960  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 99.920%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 145198              | 51.003  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 102.000% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 31536               | 17.106  | ug/l   | 92       |
| 3) Chloromethane             | 1.294          | 50   | 44754               | 13.994  | ug/l   | 95       |
| 4) Vinyl Chloride            | 1.374          | 62   | 49392               | 14.127  | ug/l   | 98       |
| 5) Bromomethane              | 1.617          | 94   | 38966               | 15.231  | ug/l   | 97       |
| 6) Chloroethane              | 1.691          | 64   | 41192               | 16.049  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 88450               | 16.640  | ug/l   | 98       |
| 8) Diethyl Ether             | 2.136          | 74   | 34621               | 16.872  | ug/l   | 89       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 40986               | 18.372  | ug/l   | 96       |
| 10) Methyl Iodide            | 2.453          | 142  | 46851               | 17.332  | ug/l   | 91       |
| 11) Tert butyl alcohol       | 3.014          | 59   | 56242               | 110.694 | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 38149               | 17.239  | ug/l   | 90       |
| 13) Acrolein                 | 2.239          | 56   | 53529               | 76.713  | ug/l   | 95       |
| 14) Allyl chloride           | 2.666          | 41   | 66527               | 18.498  | ug/l   | 98       |
| 15) Acrylonitrile            | 3.068          | 53   | 118989              | 92.394  | ug/l   | 99       |
| 16) Acetone                  | 2.398          | 43   | 107975              | 90.503  | ug/l   | 96       |
| 17) Carbon Disulfide         | 2.514          | 76   | 82376               | 15.157  | ug/l   | 96       |
| 18) Methyl Acetate           | 2.709          | 43   | 94959               | 19.355  | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 143719              | 20.096  | ug/l   | 95       |
| 20) Methylene Chloride       | 2.788          | 84   | 47073               | 18.325  | ug/l   | 92       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 40084               | 16.974  | ug/l   | 93       |
| 22) Diisopropyl ether        | 3.757          | 45   | 142204              | 19.733  | ug/l   | 92       |
| 23) Vinyl Acetate            | 3.721          | 43   | 516481              | 98.759  | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 78990               | 18.599  | ug/l   | 98       |
| 25) 2-Butanone               | 4.568          | 43   | 165311              | 96.438  | ug/l   | 95       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 62185               | 20.645  | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 50577               | 19.097  | ug/l   | 92       |
| 28) Bromochloromethane       | 4.897          | 49   | 42371               | 19.237  | ug/l   | 87       |
| 29) Tetrahydrofuran          | 5.013          | 42   | 104424              | 95.683  | ug/l   | 94       |
| 30) Chloroform               | 5.092          | 83   | 83229               | 19.457  | ug/l   | 94       |
| 31) Cyclohexane              | 5.464          | 56   | 61193               | 17.108  | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 69912               | 19.566  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 57550               | 17.842  | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.715          | 43   | 63946               | 19.451  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 57613               | 19.556  | ug/l   | 95       |
| 39) Methylcyclohexane        | 7.379          | 83   | 67055               | 17.356  | ug/l   | 96       |
| 40) Benzene                  | 6.037          | 78   | 171623              | 19.047  | ug/l   | 99       |

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 Data File : VX036385.D  
 Acq On : 30 Jun 2023 11:28  
 Operator : JC/MD  
 Sample : VX0630WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0630WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/06/2023  
 Supervised By : Mahesh Dadoda 07/07/2023

Quant Time: Jul 01 01:18:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062323W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 23 15:03:28 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 35427    | 19.425  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 68151    | 19.885  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 106064   | 20.223  | ug/l   | 97       |
| 44) Trichloroethene           | 7.129  | 130  | 46697    | 18.632  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 46629    | 19.001  | ug/l   | 99       |
| 46) Dibromomethane            | 7.580  | 93   | 34262    | 19.834  | ug/l   | 93       |
| 47) Bromodichloromethane      | 7.824  | 83   | 62891    | 20.132  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 50728    | 19.399  | ug/l   | 91       |
| 49) 1,4-Dioxane               | 7.726  | 88   | 25122    | 433.358 | ug/l # | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 340555   | 100.788 | ug/l   | 99       |
| 52) Toluene                   | 8.720  | 92   | 108343   | 18.973  | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 66890    | 21.197  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 72508    | 20.326  | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 48431    | 20.407  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 72795    | 20.507  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 80300    | 19.743  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 196526   | 98.513  | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 249855   | 101.260 | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.519  | 129  | 47292    | 20.510  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 50366    | 19.998  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 41470    | 20.054  | ug/l   | 95       |
| 65) Chlorobenzene             | 10.079 | 112  | 121050   | 19.662  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 44274    | 21.276  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 210519   | 19.234  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 166304   | 39.109  | ug/l   | 96       |
| 69) o-Xylene                  | 10.640 | 106  | 82605    | 20.116  | ug/l   | 95       |
| 70) Styrene                   | 10.652 | 104  | 133780   | 19.897  | ug/l   | 97       |
| 71) Bromoform                 | 10.799 | 173  | 32811    | 21.983  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 210107   | 19.573  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 88983    | 20.957  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 72906    | 20.056  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 60342m   | 19.860  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 52391    | 19.849  | ug/l   | 92       |
| 78) n-propylbenzene           | 11.305 | 91   | 238399   | 19.016  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 141945   | 19.033  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 176576   | 19.424  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 18262    | 19.593  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 167286   | 19.267  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 171173   | 19.647  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 179807   | 19.992  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 210742   | 19.094  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 179673   | 19.397  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 95401    | 19.658  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 96680    | 19.565  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 152940   | 18.553  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.536 | 117  | 27571    | 19.652  | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 97502    | 20.404  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 14854    | 21.513  | ug/l   | 83       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 61804    | 20.998  | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 23557    | 19.542  | ug/l   | 96       |
| 95) Naphthalene               | 13.774 | 128  | 205688   | 21.153  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 62333    | 21.711  | ug/l   | 98       |

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Sample : VX0630WBSD01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0630WBSD01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 07/06/2023  
Supervised By :Mahesh Dadoda 07/07/2023

Quant Time: Jul 01 01:18:08 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062323W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 23 15:03:28 2023  
Response via : Initial Calibration

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

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

