

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102324\  
 Data File : VX043491.D  
 Acq On : 23 Oct 2024 16:36  
 Operator : JC/MD  
 Sample : VX1023WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1023WBSD01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 10/24/2024  
 Supervised By :Semsettin Yesilyurt 10/24/2024

Quant Time: Oct 24 06:08:02 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102324W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 24 04:54:33 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 81077               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 159387              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 142085              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 62434               | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 70627               | 50.775  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 101.560% |         |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 55455               | 50.581  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 101.160% |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 190532              | 49.511  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 99.020%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 69573               | 47.338  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 94.680%  |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.173          | 85   | 17177               | 18.746  | ug/l   | 100      |
| 3) Chloromethane             | 1.295          | 50   | 22306               | 18.504  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.380          | 62   | 20119               | 18.828  | ug/l   | 98       |
| 5) Bromomethane              | 1.599          | 94   | 9499                | 20.244  | ug/l   | 96       |
| 6) Chloroethane              | 1.679          | 64   | 12288               | 26.274  | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 1.880          | 101  | 28964               | 19.446  | ug/l   | 96       |
| 8) Diethyl Ether             | 2.142          | 74   | 11846               | 18.788  | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 16986               | 19.166  | ug/l   | 99       |
| 10) Methyl Iodide            | 2.453          | 142  | 24994               | 21.762  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 2.983          | 59   | 27077               | 136.648 | ug/l   | 96       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 17184               | 19.447  | ug/l   | 96       |
| 13) Acrolein                 | 2.240          | 56   | 21503               | 106.591 | ug/l   | 98       |
| 14) Allyl chloride           | 2.666          | 41   | 31801               | 18.601  | ug/l   | 99       |
| 15) Acrylonitrile            | 3.069          | 53   | 53559               | 111.758 | ug/l   | 99       |
| 16) Acetone                  | 2.386          | 43   | 52609               | 101.552 | ug/l   | 100      |
| 17) Carbon Disulfide         | 2.508          | 76   | 35509               | 18.786  | ug/l   | 97       |
| 18) Methyl Acetate           | 2.709          | 43   | 28519               | 19.865  | ug/l   | 96       |
| 19) Methyl tert-butyl Ether  | 3.124          | 73   | 67769               | 20.788  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.794          | 84   | 21359               | 18.503  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 18972               | 18.497  | ug/l   | 92       |
| 22) Diisopropyl ether        | 3.770          | 45   | 69175               | 19.980  | ug/l   | 95       |
| 23) Vinyl Acetate            | 3.727          | 43   | 259005              | 106.140 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 38711               | 19.124  | ug/l   | 99       |
| 25) 2-Butanone               | 4.568          | 43   | 76859               | 109.897 | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 29975               | 17.736  | ug/l   | 78       |
| 27) cis-1,2-Dichloroethene   | 4.495          | 96   | 24915               | 19.284  | ug/l   | 99       |
| 28) Bromochloromethane       | 4.904          | 49   | 17419               | 19.921  | ug/l   | 97       |
| 29) Tetrahydrofuran          | 5.020          | 42   | 49882               | 111.929 | ug/l   | 99       |
| 30) Chloroform               | 5.099          | 83   | 42025               | 18.920  | ug/l   | 98       |
| 31) Cyclohexane              | 5.471          | 56   | 27813               | 19.521  | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 33861               | 19.119  | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 23809               | 18.338  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.727          | 43   | 29933               | 20.583  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 26126               | 18.409  | ug/l   | 96       |
| 39) Methylcyclohexane        | 7.379          | 83   | 28376               | 18.315  | ug/l   | 92       |
| 40) Benzene                  | 6.038          | 78   | 84679               | 18.930  | ug/l   | 99       |

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 Sample : VX1023WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1023WBSD01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 10/24/2024  
 Supervised By :Semsettin Yesilyurt 10/24/2024

Quant Time: Oct 24 06:08:02 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102324W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 24 04:54:33 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 16339    | 20.464  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 31845    | 19.923  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.349  | 43   | 46212    | 20.229  | ug/l   | 98       |
| 44) Trichloroethene           | 7.129  | 130  | 19877    | 18.025  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 18992    | 18.451  | ug/l   | 93       |
| 46) Dibromomethane            | 7.586  | 93   | 15041    | 20.442  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.824  | 83   | 28395    | 19.145  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.696  | 41   | 22924    | 20.419  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 7.671  | 88   | 9670     | 513.089 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 148481   | 108.549 | ug/l   | 99       |
| 52) Toluene                   | 8.720  | 92   | 51787    | 19.268  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 26542    | 19.041  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 31225    | 19.939  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 20108    | 20.879  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 29875    | 20.981  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 33686    | 20.122  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.245  | 63   | 64171    | 101.471 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 107766   | 110.372 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 18606    | 19.702  | ug/l   | 95       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 20419    | 20.990  | ug/l   | 93       |
| 64) Tetrachloroethene         | 9.275  | 164  | 18063    | 18.320  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.080 | 112  | 59219    | 18.880  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 19424    | 19.601  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 94333    | 18.656  | ug/l   | 97       |
| 68) m/p-Xylenes               | 10.299 | 106  | 73403    | 38.002  | ug/l   | 98       |
| 69) o-Xylene                  | 10.640 | 106  | 36633    | 18.778  | ug/l   | 99       |
| 70) Styrene                   | 10.653 | 104  | 59946    | 19.039  | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 10287    | 18.180  | ug/l # | 96       |
| 73) Isopropylbenzene          | 10.964 | 105  | 88113    | 19.616  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 36204    | 21.495  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83   | 28074    | 20.240  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 23568m   | 18.821  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 22297    | 19.361  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.305 | 91   | 96185    | 18.871  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 68432    | 19.552  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 75692    | 19.228  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 6653     | 19.621  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 74886    | 18.471  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 72012    | 19.308  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 77555    | 19.230  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 85983    | 19.295  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 69545    | 18.520  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.970 | 146  | 41393    | 19.079  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 39683    | 17.942  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.335 | 91   | 55415    | 17.766  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 10992    | 18.400  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 40399    | 18.626  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 5356     | 21.489  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 21008    | 17.096  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 8324     | 17.884  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 68947    | 18.041  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 21624    | 17.755  | ug/l   | 98       |

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Sample : VX1023WBSD01  
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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
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VX1023WBSD01

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 10/24/2024  
Supervised By :Semsettin Yesilyurt 10/24/2024

Quant Time: Oct 24 06:08:02 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102324W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 24 04:54:33 2024  
Response via : Initial Calibration

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

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

