

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052523\  
 Data File : VX035855.D  
 Acq On : 25 May 2023 15:56  
 Operator : JC/MD  
 Sample : VX0525WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0525WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 05/26/2023  
 Supervised By : Mahesh Dadoda 05/26/2023

Quant Time: May 26 07:23:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 11 13:57:54 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 168259     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 287700     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 261011     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 125503     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 135220     | 46.066   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 92.140%  |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 100179     | 51.632   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 103.260% |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 360910     | 50.352   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 100.700% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 137836     | 47.760   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 95.520%  |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 38934      | 17.755   | ug/l   | 96       |
| 3) Chloromethane             | 1.294          | 50   | 41588      | 15.628   | ug/l   | 97       |
| 4) Vinyl Chloride            | 1.374          | 62   | 41033      | 18.169   | ug/l   | 99       |
| 5) Bromomethane              | 1.611          | 94   | 24047      | 19.660   | ug/l   | 100      |
| 6) Chloroethane              | 1.691          | 64   | 28000      | 20.437   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 61915      | 18.645   | ug/l   | 95       |
| 8) Diethyl Ether             | 2.130          | 74   | 23914      | 18.704   | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 37317      | 18.928   | ug/l   | 97       |
| 10) Methyl Iodide            | 2.453          | 142  | 36370      | 20.626   | ug/l   | 96       |
| 11) Tert butyl alcohol       | 3.001          | 59   | 44178m     | 85.307   | ug/l   |          |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 35582      | 18.989   | ug/l   | 97       |
| 13) Acrolein                 | 2.239          | 56   | 79639      | 129.568  | ug/l   | 100      |
| 14) Allyl chloride           | 2.660          | 41   | 66677      | 16.610   | ug/l   | 98       |
| 15) Acrylonitrile            | 3.062          | 53   | 116034     | 101.751  | ug/l   | 99       |
| 16) Acetone                  | 2.392          | 43   | 113200     | 89.727   | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.508          | 76   | 68114      | 15.062   | ug/l   | 100      |
| 18) Methyl Acetate           | 2.703          | 43   | 98921      | 21.261   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 134645     | 18.058   | ug/l   | 96       |
| 20) Methylene Chloride       | 2.788          | 84   | 44244      | 19.350   | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 39123      | 19.055   | ug/l   | 96       |
| 22) Diisopropyl ether        | 3.751          | 45   | 146772     | 18.674   | ug/l   | 95       |
| 23) Vinyl Acetate            | 3.715          | 43   | 500645     | 90.023   | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 77026      | 18.324   | ug/l   | 99       |
| 25) 2-Butanone               | 4.562          | 43   | 173704     | 99.461   | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 55487      | 15.588   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 46212      | 18.723   | ug/l   | 99       |
| 28) Bromochloromethane       | 4.897          | 49   | 40177      | 21.250   | ug/l   | 97       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 110143     | 100.339  | ug/l   | 98       |
| 30) Chloroform               | 5.086          | 83   | 79357      | 18.423   | ug/l   | 97       |
| 31) Cyclohexane              | 5.464          | 56   | 64947      | 17.513   | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 64731      | 17.272   | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 57727      | 18.849   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.715          | 43   | 63076      | 19.746   | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 50856      | 17.530   | ug/l   | 94       |
| 39) Methylcyclohexane        | 7.379          | 83   | 65237      | 18.096   | ug/l   | 98       |
| 40) Benzene                  | 6.038          | 78   | 168417     | 19.657   | ug/l   | 98       |

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 Sample : VX0525WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0525WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 05/26/2023  
 Supervised By : Mahesh Dadoda 05/26/2023

Quant Time: May 26 07:23:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 11 13:57:54 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 36748    | 19.375  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 69443    | 18.842  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 101122   | 18.154  | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 42013    | 19.339  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 44409    | 19.571  | ug/l   | 97       |
| 46) Dibromomethane            | 7.580  | 93   | 30451    | 19.605  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.818  | 83   | 53107    | 17.690  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.690  | 41   | 52198    | 18.988  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.714  | 88   | 21981    | 374.163 | ug/l # | 79       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 334897   | 104.359 | ug/l   | 98       |
| 52) Toluene                   | 8.720  | 92   | 103339   | 19.108  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 56406    | 17.294  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 63120    | 18.062  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 43047    | 20.265  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 64272    | 18.684  | ug/l   | 93       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 75729    | 19.666  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 176333   | 100.765 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 260479   | 107.781 | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.519  | 129  | 37188    | 18.366  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 43760    | 19.553  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 34523    | 19.646  | ug/l   | 94       |
| 65) Chlorobenzene             | 10.079 | 112  | 111200   | 19.517  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 36656    | 18.195  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 200104   | 18.674  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 153693   | 38.803  | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 74706    | 19.007  | ug/l   | 99       |
| 70) Styrene                   | 10.653 | 104  | 121017   | 19.104  | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 21626    | 16.315  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.963 | 105  | 195003   | 18.439  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 84744    | 17.186  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 65679    | 19.145  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 55318m   | 18.020  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 45010    | 18.751  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.305 | 91   | 235170   | 18.917  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 144202   | 18.527  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 164913   | 18.347  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 13528    | 14.202  | ug/l # | 75       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 161526   | 18.020  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 157813   | 18.062  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 165784   | 18.369  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 203814   | 18.579  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 170188   | 18.871  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 86067    | 18.875  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 88568    | 19.235  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 149155   | 18.180  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.536 | 117  | 22030    | 16.116  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 86167    | 19.297  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 12451    | 16.299  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 51486    | 19.149  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 20878    | 19.564  | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 175431   | 19.053  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 49416    | 18.688  | ug/l   | 99       |

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Sample : VX0525WBS01  
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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
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VX0525WBS01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 05/26/2023  
Supervised By :Mahesh Dadoda 05/26/2023

Quant Time: May 26 07:23:58 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051123W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 11 13:57:54 2023  
Response via : Initial Calibration

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

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

