

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
 Data File : VX045080.D  
 Acq On : 28 Feb 2025 11:46  
 Operator : JC/MD  
 Sample : VX0228WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0228WBS01

Quant Time: Feb 28 14:28:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 2025  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/28/2025  
 Supervised By : Mahesh Dadoda 03/03/2025

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 108329     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 192724     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 169474     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 76472      | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 80881      | 46.938   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 93.880%  |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 62124      | 48.207   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 96.420%  |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 233874     | 50.059   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 100.120% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 78964      | 51.005   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 102.020% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 25993      | 19.062   | ug/l   | 98       |
| 3) Chloromethane             | 1.301          | 50   | 31053      | 18.608   | ug/l   | 96       |
| 4) Vinyl Chloride            | 1.374          | 62   | 30398      | 18.363   | ug/l   | 96       |
| 5) Bromomethane              | 1.593          | 94   | 11496      | 17.665   | ug/l   | 98       |
| 6) Chloroethane              | 1.660          | 64   | 12662      | 16.582   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.868          | 101  | 40845      | 18.638   | ug/l   | 100      |
| 8) Diethyl Ether             | 2.136          | 74   | 14376      | 16.771   | ug/l   | 92       |
| 9) 1,1,2-Trichlorotrifluo... | 2.319          | 101  | 25054      | 19.899   | ug/l   | 99       |
| 10) Methyl Iodide            | 2.441          | 142  | 27491      | 17.472   | ug/l   | 97       |
| 11) Tert butyl alcohol       | 2.995          | 59   | 26171      | 80.184   | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.306          | 96   | 24097      | 18.103   | ug/l   | 97       |
| 13) Acrolein                 | 2.239          | 56   | 42643      | 113.023  | ug/l   | 98       |
| 14) Allyl chloride           | 2.654          | 41   | 44238      | 18.670   | ug/l   | 99       |
| 15) Acrylonitrile            | 3.069          | 53   | 78022      | 89.193   | ug/l   | 98       |
| 16) Acetone                  | 2.386          | 43   | 66572      | 83.269   | ug/l   | 100      |
| 17) Carbon Disulfide         | 2.502          | 76   | 62721      | 17.691   | ug/l   | 97       |
| 18) Methyl Acetate           | 2.709          | 43   | 33660      | 17.501   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 79756      | 17.859   | ug/l   | 98       |
| 20) Methylene Chloride       | 2.782          | 84   | 28274      | 17.853   | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 24403      | 18.556   | ug/l   | 95       |
| 22) Diisopropyl ether        | 3.764          | 45   | 89611      | 18.596   | ug/l   | 94       |
| 23) Vinyl Acetate            | 3.721          | 43   | 377536     | 93.881   | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.599          | 63   | 48272      | 17.874   | ug/l   | 99       |
| 25) 2-Butanone               | 4.562          | 43   | 110248     | 91.613   | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 33053      | 26.092   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 29539      | 18.196   | ug/l   | 96       |
| 28) Bromochloromethane       | 4.891          | 49   | 22404      | 17.404   | ug/l   | 98       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 71331      | 88.264   | ug/l   | 99       |
| 30) Chloroform               | 5.086          | 83   | 48521      | 18.082   | ug/l   | 97       |
| 31) Cyclohexane              | 5.458          | 56   | 45303      | 19.324   | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 39336      | 18.150   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 33230      | 18.803   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.715          | 43   | 40562      | 17.811   | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.666          | 117  | 33280      | 18.548   | ug/l   | 96       |
| 39) Methylcyclohexane        | 7.373          | 83   | 44081      | 20.816   | ug/l   | 97       |
| 40) Benzene                  | 6.031          | 78   | 106228     | 19.035   | ug/l   | 99       |

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 Sample : VX0228WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0228WBS01

Manual Integrations  
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Reviewed By : John Carlone 02/28/2025  
 Supervised By : Mahesh Dadoda 03/03/2025

Quant Time: Feb 28 14:28:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 22360    | 18.159  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 37297    | 18.559  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.342  | 43   | 64239    | 19.076  | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 24390    | 18.612  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 26709    | 18.614  | ug/l   | 96       |
| 46) Dibromomethane            | 7.580  | 93   | 19218    | 18.949  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.818  | 83   | 37048    | 18.624  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 30953    | 18.322  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 13158    | 369.225 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 216153   | 95.598  | ug/l   | 100      |
| 52) Toluene                   | 8.714  | 92   | 64270    | 19.628  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 32395    | 19.479  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 38727    | 19.970  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 25711    | 19.074  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 38638    | 18.857  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 44044    | 18.881  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 99991    | 100.039 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 158894   | 96.991  | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 26039    | 18.475  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 25976    | 19.303  | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.269  | 164  | 20636    | 19.012  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.079 | 112  | 70182    | 19.571  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 21951    | 18.381  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.189 | 91   | 121335   | 19.418  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 91808    | 40.136  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 45354    | 19.659  | ug/l   | 98       |
| 70) Styrene                   | 10.653 | 104  | 75515    | 20.230  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 16386    | 18.196  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.957 | 105  | 115731   | 19.389  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 53161    | 18.981  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 40107    | 18.311  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 31765m   | 17.847  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 26840    | 19.058  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 135011   | 20.023  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 81025    | 18.869  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 96986    | 20.095  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 9262     | 17.808  | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 90109    | 19.254  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 95461    | 19.251  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 95268    | 19.618  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 118388   | 19.930  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 97752    | 20.363  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 48888    | 19.459  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 49240    | 19.373  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 84515    | 20.441  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 16106    | 18.549  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 48893    | 19.400  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 7561     | 17.719  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 28247    | 19.684  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 11980    | 20.362  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 106065   | 19.237  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 30059    | 19.855  | ug/l   | 99       |

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Manual Integrations  
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Reviewed By :John Carlone 02/28/2025  
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Quant Time: Feb 28 14:28:21 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 28 06:45:16 2025  
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

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