

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043950.D  
 Acq On : 22 Nov 2024 11:22  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Nov 22 22:17:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 11/25/2024  
 Supervised By : Mahesh Dadoda 11/25/2024

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.538          | 168  | 119844     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.751          | 114  | 210147     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 179277     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 88069      | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.946          | 65   | 100999     | 49.135   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 98.280%  |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 75489      | 50.272   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 100.540% |        |          |
| 50) Toluene-d8               | 8.641          | 98   | 262790     | 50.769   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 101.540% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 91050      | 51.686   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 103.380% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.167          | 85   | 83769      | 55.175   | ug/l   | 99       |
| 3) Chloromethane             | 1.295          | 50   | 87811      | 54.963   | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 88877      | 52.301   | ug/l   | 99       |
| 5) Bromomethane              | 1.593          | 94   | 54869      | 52.486   | ug/l   | 98       |
| 6) Chloroethane              | 1.666          | 64   | 50225      | 48.505   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.868          | 101  | 177113     | 58.296   | ug/l   | 97       |
| 8) Diethyl Ether             | 2.130          | 74   | 56649      | 51.158   | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 2.319          | 101  | 78101      | 53.892   | ug/l   | 99       |
| 10) Methyl Iodide            | 2.441          | 142  | 94503      | 52.213   | ug/l   | 98       |
| 11) Tert butyl alcohol       | 3.002          | 59   | 78161      | 236.901  | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.307          | 96   | 70195      | 50.831   | ug/l   | 93       |
| 13) Acrolein                 | 2.233          | 56   | 87414      | 251.363  | ug/l   | 96       |
| 14) Allyl chloride           | 2.654          | 41   | 121345     | 53.777   | ug/l   | 98       |
| 15) Acrylonitrile            | 3.063          | 53   | 213507     | 265.550  | ug/l   | 99       |
| 16) Acetone                  | 2.386          | 43   | 236749     | 250.770  | ug/l   | 97       |
| 17) Carbon Disulfide         | 2.502          | 76   | 135635     | 47.616   | ug/l   | 98       |
| 18) Methyl Acetate           | 2.703          | 43   | 113509     | 51.629   | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 267063     | 53.261   | ug/l   | 100      |
| 20) Methylene Chloride       | 2.782          | 84   | 81941      | 51.146   | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 3.081          | 96   | 74796      | 52.461   | ug/l   | 98       |
| 22) Diisopropyl ether        | 3.758          | 45   | 257734     | 53.416   | ug/l   | 95       |
| 23) Vinyl Acetate            | 3.715          | 43   | 1126489    | 272.921  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.599          | 63   | 150069     | 53.913   | ug/l   | 99       |
| 25) 2-Butanone               | 4.556          | 43   | 316605     | 259.902  | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 4.465          | 77   | 130610     | 51.956   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.477          | 96   | 91683      | 52.023   | ug/l   | 98       |
| 28) Bromochloromethane       | 4.891          | 49   | 59099      | 48.235   | ug/l   | 99       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 192093     | 257.216  | ug/l   | 99       |
| 30) Chloroform               | 5.080          | 83   | 158800     | 53.043   | ug/l   | 96       |
| 31) Cyclohexane              | 5.458          | 56   | 122162     | 53.324   | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.373          | 97   | 140772     | 54.526   | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 103967     | 55.562   | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.715          | 43   | 121804     | 52.440   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.666          | 117  | 113421     | 53.945   | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.373          | 83   | 133332     | 54.849   | ug/l   | 98       |
| 40) Benzene                  | 6.032          | 78   | 314837     | 54.016   | ug/l   | 99       |

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 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
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Reviewed By : John Carlone 11/25/2024  
 Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 22 22:17:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 61474    | 51.710  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 6.074  | 62   | 127580   | 54.501  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.336  | 43   | 196481   | 53.153  | ug/l   | 99       |
| 44) Trichloroethene           | 7.117  | 130  | 77355    | 46.882  | ug/l   | 88       |
| 45) 1,2-Dichloropropane       | 7.421  | 63   | 78579    | 55.044  | ug/l   | 98       |
| 46) Dibromomethane            | 7.574  | 93   | 60885    | 53.916  | ug/l   | 100      |
| 47) Bromodichloromethane      | 7.818  | 83   | 110672   | 54.645  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 93037    | 52.453  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 30231    | 956.809 | ug/l   | 89       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 607788   | 269.433 | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 191750   | 54.965  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 113533   | 54.971  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 122380   | 54.052  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 75441    | 52.387  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 121914   | 54.352  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 132364   | 54.563  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 301050   | 244.819 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 456702   | 269.358 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 77811    | 53.853  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 78690    | 54.040  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.269  | 164  | 64266    | 54.365  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.073 | 112  | 207265   | 52.640  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 70047    | 54.854  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 369374   | 55.362  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 275579   | 110.758 | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 134066   | 55.187  | ug/l   | 98       |
| 70) Styrene                   | 10.653 | 104  | 225568   | 56.140  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 47233    | 48.773  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.957 | 105  | 352296   | 52.039  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 162994   | 51.973  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 119153   | 51.403  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 100223m  | 51.893  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 82907    | 51.338  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 406514   | 53.765  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 246574   | 51.573  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 295006   | 52.968  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 34321    | 48.492  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 281758   | 52.200  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 291225   | 52.754  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 299186   | 53.956  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 360460   | 53.293  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 304159   | 55.361  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 153209   | 52.089  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.037 | 146  | 154469   | 51.511  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 268422   | 55.414  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 47025    | 50.336  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 155184   | 52.281  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 24188    | 52.076  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 94940    | 54.252  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 35816    | 51.785  | ug/l   | 96       |
| 95) Naphthalene               | 13.774 | 128  | 347826   | 55.215  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 97491    | 55.041  | ug/l   | 97       |

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| 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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