

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040224\  
 Data File : VX040851.D  
 Acq On : 02 Apr 2024 09:28  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 04/03/2024  
 Supervised By : Mahesh Dadoda 04/03/2024

Quant Time: Apr 03 00:56:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040124W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 02 05:40:55 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 55849      | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 92492      | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 84702      | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 44875      | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 44973      | 44.879  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 89.760% |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 31292      | 47.765  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 95.540% |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 111961     | 47.296  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 94.600% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 44572      | 47.148  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 94.300% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 36123      | 47.719  | ug/l   | 97       |
| 3) Chloromethane             | 1.301          | 50   | 33724      | 51.569  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 35784      | 53.009  | ug/l   | 100      |
| 5) Bromomethane              | 1.599          | 94   | 24416      | 58.792  | ug/l   | 96       |
| 6) Chloroethane              | 1.685          | 64   | 20996      | 48.250  | ug/l   | 93       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 61202      | 47.362  | ug/l   | 98       |
| 8) Diethyl Ether             | 2.130          | 74   | 18434      | 44.144  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 31787      | 47.715  | ug/l   | 97       |
| 10) Methyl Iodide            | 2.453          | 142  | 38427      | 47.551  | ug/l   | 100      |
| 11) Tert butyl alcohol       | 2.953          | 59   | 38842      | 212.308 | ug/l # | 90       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 28819      | 46.124  | ug/l   | 99       |
| 13) Acrolein                 | 2.233          | 56   | 22726      | 227.562 | ug/l   | 100      |
| 14) Allyl chloride           | 2.666          | 41   | 52833      | 47.203  | ug/l   | 91       |
| 15) Acrylonitrile            | 3.062          | 53   | 89680      | 232.369 | ug/l   | 99       |
| 16) Acetone                  | 2.374          | 43   | 92092      | 236.679 | ug/l   | 96       |
| 17) Carbon Disulfide         | 2.514          | 76   | 80852      | 44.731  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.703          | 43   | 39940      | 43.266  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 100955     | 45.903  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 31468      | 43.640  | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 30183      | 45.736  | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.757          | 45   | 102613     | 47.109  | ug/l   | 99       |
| 23) Vinyl Acetate            | 3.721          | 43   | 502039     | 240.474 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 57634      | 46.313  | ug/l   | 99       |
| 25) 2-Butanone               | 4.550          | 43   | 133313     | 230.643 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 50422      | 47.193  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 34892      | 45.786  | ug/l   | 96       |
| 28) Bromochloromethane       | 4.898          | 49   | 25764      | 46.044  | ug/l   | 98       |
| 29) Tetrahydrofuran          | 4.995          | 42   | 86150      | 229.313 | ug/l   | 99       |
| 30) Chloroform               | 5.093          | 83   | 63323      | 46.749  | ug/l   | 95       |
| 31) Cyclohexane              | 5.465          | 56   | 49051      | 46.128  | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 56771      | 47.165  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 43694      | 46.940  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.709          | 43   | 52653      | 46.064  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 49847      | 48.372  | ug/l   | 95       |
| 39) Methylcyclohexane        | 7.379          | 83   | 53091      | 47.734  | ug/l   | 98       |
| 40) Benzene                  | 6.038          | 78   | 123761     | 47.903  | ug/l   | 97       |

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 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 04/03/2024  
 Supervised By : Mahesh Dadoda 04/03/2024

Quant Time: Apr 03 00:56:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040124W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 02 05:40:55 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.910  | 41   | 28497    | 48.545  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 52911    | 47.153  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 83620    | 47.371  | ug/l   | 97       |
| 44) Trichloroethene           | 7.123  | 130  | 31005    | 48.050  | ug/l   | 87       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 30354    | 49.216  | ug/l   | 99       |
| 46) Dibromomethane            | 7.580  | 93   | 24334    | 48.137  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.818  | 83   | 50231    | 47.758  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.690  | 41   | 41957    | 48.538  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 7.653  | 88   | 15985    | 969.053 | ug/l # | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.568  | 43   | 279413   | 238.631 | ug/l   | 96       |
| 52) Toluene                   | 8.714  | 92   | 76247    | 46.772  | ug/l   | 92       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 49899    | 46.149  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 52071    | 49.929  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 30215    | 47.494  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 54024    | 49.453  | ug/l   | 92       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 53109    | 47.732  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 126904   | 239.625 | ug/l   | 96       |
| 59) 2-Hexanone                | 9.427  | 43   | 223801   | 238.323 | ug/l   | 95       |
| 60) Dibromochloromethane      | 9.519  | 129  | 37141    | 48.904  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 32671    | 47.599  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 26874    | 47.945  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.073 | 112  | 88165    | 47.594  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 30424    | 49.480  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 159145   | 48.174  | ug/l   | 97       |
| 68) m/p-Xylenes               | 10.299 | 106  | 118587   | 98.659  | ug/l   | 93       |
| 69) o-Xylene                  | 10.640 | 106  | 56186    | 49.618  | ug/l   | 90       |
| 70) Styrene                   | 10.653 | 104  | 98925    | 50.414  | ug/l   | 96       |
| 71) Bromoform                 | 10.799 | 173  | 26016    | 47.891  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.957 | 105  | 153675   | 49.032  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 79077    | 49.813  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 50561    | 47.180  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 45683m   | 47.740  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 35728    | 48.595  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.305 | 91   | 190057   | 48.521  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 111702   | 47.785  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 134634   | 50.296  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 16939    | 47.760  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 137276   | 49.187  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 129603   | 48.804  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 133742   | 49.596  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 166984   | 49.510  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 140335   | 49.609  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 71296    | 47.974  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 72689    | 46.097  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 140769   | 50.371  | ug/l   | 96       |
| 90) Hexachloroethane          | 12.536 | 117  | 25190    | 51.118  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 68688    | 47.162  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 13259    | 48.149  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 47263    | 46.810  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 17746    | 45.881  | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 160048   | 49.230  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 46718    | 48.501  | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :John Carlone 04/03/2024  
Supervised By :Mahesh Dadoda 04/03/2024

Quant Time: Apr 03 00:56:58 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040124W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 02 05:40:55 2024  
Response via : Initial Calibration

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

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

