

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040124\  
 Data File : VX040845.D  
 Acq On : 01 Apr 2024 14:23  
 Operator : JC/MD  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 04/02/2024  
 Supervised By : Mahesh Dadoda 04/02/2024

Quant Time: Apr 02 05:25:47 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040124W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 02 05:19:09 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 51741      | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 86226      | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 80836      | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 42923      | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 44041      | 47.439  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 94.880% |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 30284      | 49.586  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 99.180% |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 108024     | 48.949  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 97.900% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 42775      | 48.536  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 97.080% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 35275      | 50.298  | ug/l   | 100      |
| 3) Chloromethane             | 1.300          | 50   | 30499      | 50.340  | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.374          | 62   | 30995      | 49.560  | ug/l   | 98       |
| 5) Bromomethane              | 1.599          | 94   | 21547      | 56.003  | ug/l   | 99       |
| 6) Chloroethane              | 1.684          | 64   | 19731      | 48.943  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 59795      | 49.947  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.136          | 74   | 18752      | 48.471  | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 30266      | 49.039  | ug/l   | 99       |
| 10) Methyl Iodide            | 2.453          | 142  | 38093      | 50.881  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 2.959          | 59   | 42583      | 251.236 | ug/l # | 91       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 28180      | 48.683  | ug/l   | 99       |
| 13) Acrolein                 | 2.239          | 56   | 23315      | 251.995 | ug/l   | 100      |
| 14) Allyl chloride           | 2.666          | 41   | 52290      | 50.427  | ug/l   | 90       |
| 15) Acrylonitrile            | 3.062          | 53   | 90660      | 253.559 | ug/l   | 99       |
| 16) Acetone                  | 2.379          | 43   | 87367      | 242.363 | ug/l   | 96       |
| 17) Carbon Disulfide         | 2.514          | 76   | 78594      | 46.934  | ug/l   | 98       |
| 18) Methyl Acetate           | 2.703          | 43   | 43238      | 50.558  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 100663     | 49.405  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 30595      | 45.798  | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 28425      | 46.492  | ug/l   | 96       |
| 22) Diisopropyl ether        | 3.757          | 45   | 99993      | 49.551  | ug/l   | 90       |
| 23) Vinyl Acetate            | 3.721          | 43   | 493334     | 255.065 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 56772      | 49.242  | ug/l   | 99       |
| 25) 2-Butanone               | 4.550          | 43   | 134819     | 251.767 | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 49092      | 49.596  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 34432      | 48.770  | ug/l   | 98       |
| 28) Bromochloromethane       | 4.897          | 49   | 24631      | 47.514  | ug/l   | 100      |
| 29) Tetrahydrofuran          | 5.001          | 42   | 87950      | 252.691 | ug/l   | 100      |
| 30) Chloroform               | 5.099          | 83   | 62268      | 49.620  | ug/l   | 93       |
| 31) Cyclohexane              | 5.470          | 56   | 49041      | 49.780  | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 57228      | 51.320  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 42340      | 48.791  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.708          | 43   | 53476      | 50.184  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 48488      | 50.472  | ug/l   | 100      |
| 39) Methylcyclohexane        | 7.379          | 83   | 51224      | 49.402  | ug/l   | 98       |
| 40) Benzene                  | 6.037          | 78   | 119540     | 49.631  | ug/l   | 100      |

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 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 04/02/2024  
 Supervised By : Mahesh Dadoda 04/02/2024

Quant Time: Apr 02 05:25:47 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040124W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 02 05:19:09 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 28647    | 52.347   | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 52684    | 50.362   | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 84474    | 51.332   | ug/l   | 97       |
| 44) Trichloroethene           | 7.123  | 130  | 29771    | 49.491   | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 7.433  | 63   | 29566    | 51.422   | ug/l   | 97       |
| 46) Dibromomethane            | 7.580  | 93   | 23731    | 50.356   | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.824  | 83   | 49146    | 50.122   | ug/l   | 100      |
| 48) Methyl methacrylate       | 7.689  | 41   | 43042    | 53.412   | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 17622    | 1145.924 | ug/l # | 92       |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 285077   | 261.161  | ug/l   | 96       |
| 52) Toluene                   | 8.720  | 92   | 76456    | 50.308   | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 50076    | 49.551   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 50650    | 52.096   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 30524    | 51.466   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 54053    | 53.075   | ug/l   | 93       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 51651    | 49.795   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 124845   | 252.868  | ug/l   | 97       |
| 59) 2-Hexanone                | 9.427  | 43   | 226240   | 258.428  | ug/l   | 96       |
| 60) Dibromochloromethane      | 9.518  | 129  | 36171    | 51.087   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 32307    | 50.489   | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 26108    | 48.806   | ug/l   | 99       |
| 65) Chlorobenzene             | 10.079 | 112  | 84491    | 47.792   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 29760    | 50.715   | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 156333   | 49.586   | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 114238   | 99.587   | ug/l   | 91       |
| 69) o-Xylene                  | 10.640 | 106  | 54484    | 50.416   | ug/l   | 89       |
| 70) Styrene                   | 10.652 | 104  | 96865    | 51.725   | ug/l   | 97       |
| 71) Bromoform                 | 10.799 | 173  | 25903    | 49.851   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 150855   | 50.321   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 78339    | 51.592   | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 51293    | 50.039   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 43807m   | 47.861   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 36069    | 51.290   | ug/l   | 98       |
| 78) n-propylbenzene           | 11.305 | 91   | 185274   | 49.451   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 106790   | 47.761   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 130270   | 50.878   | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 17649    | 52.024   | ug/l   | 100      |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 131688   | 49.331   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 126512   | 49.807   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 131470   | 50.971   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 162114   | 50.252   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 138282   | 51.106   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 68358    | 48.089   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 70646    | 46.838   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 135935   | 50.853   | ug/l   | 97       |
| 90) Hexachloroethane          | 12.536 | 117  | 23984    | 50.884   | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 67002    | 48.096   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 14219    | 53.983   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 46038    | 47.670   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 17595    | 47.559   | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 158811   | 51.071   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 45109    | 48.960   | ug/l   | 98       |

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Sample : VSTDICCC050  
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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Manual Integrations  
APPROVED

Reviewed By :John Carlone 04/02/2024  
Supervised By :Mahesh Dadoda 04/02/2024

Quant Time: Apr 02 05:25:47 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040124W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 02 05:19:09 2024  
Response via : Initial Calibration

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

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

