

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031023\  
 Data File : VX034419.D  
 Acq On : 10 Mar 2023 16:25  
 Operator : JC/MD  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 03/13/2023  
 Supervised By :Mahesh Dadoda 03/13/2023

Quant Time: Mar 13 10:19:14 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 13 10:15:36 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 312370     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 516722     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 469607     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 240597     | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.946          | 65   | 201453     | 44.330  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 88.660% |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 158953     | 46.591  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 93.180% |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 610392     | 47.927  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 95.860% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 241631     | 46.970  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 93.940% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 150983     | 51.847  | ug/l   | 100      |
| 3) Chloromethane             | 1.301          | 50   | 220889     | 50.266  | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.374          | 62   | 201069     | 50.709  | ug/l   | 100      |
| 5) Bromomethane              | 1.599          | 94   | 109792m    | 54.803  | ug/l   |          |
| 6) Chloroethane              | 1.678          | 64   | 121441     | 52.821  | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 314174     | 52.731  | ug/l   | 100      |
| 8) Diethyl Ether             | 2.130          | 74   | 110645     | 50.872  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 182524     | 52.567  | ug/l   | 100      |
| 10) Methyl Iodide            | 2.447          | 142  | 232025     | 50.897  | ug/l   | 100      |
| 11) Tert butyl alcohol       | 2.953          | 59   | 211613     | 223.615 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 171911     | 50.272  | ug/l   | 100      |
| 13) Acrolein                 | 2.233          | 56   | 172269     | 230.111 | ug/l   | 100      |
| 14) Allyl chloride           | 2.660          | 41   | 339373     | 48.952  | ug/l   | 100      |
| 15) Acrylonitrile            | 3.056          | 53   | 516920     | 252.866 | ug/l   | 100      |
| 16) Acetone                  | 2.373          | 43   | 533398     | 249.179 | ug/l   | 100      |
| 17) Carbon Disulfide         | 2.508          | 76   | 469879     | 48.826  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.697          | 43   | 342492     | 48.966  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.105          | 73   | 616165     | 50.324  | ug/l   | 100      |
| 20) Methylene Chloride       | 2.782          | 84   | 197650     | 47.575  | ug/l   | 100      |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 190159     | 52.362  | ug/l   | 100      |
| 22) Diisopropyl ether        | 3.751          | 45   | 685091     | 51.830  | ug/l   | 100      |
| 23) Vinyl Acetate            | 3.715          | 43   | 2634000    | 261.833 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 361739     | 50.910  | ug/l   | 100      |
| 25) 2-Butanone               | 4.544          | 43   | 782113     | 255.348 | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 314955     | 50.994  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 222058     | 50.793  | ug/l   | 100      |
| 28) Bromochloromethane       | 4.891          | 49   | 170776     | 51.691  | ug/l   | 100      |
| 29) Tetrahydrofuran          | 4.995          | 42   | 478719     | 253.290 | ug/l   | 100      |
| 30) Chloroform               | 5.086          | 83   | 365117     | 52.421  | ug/l   | 100      |
| 31) Cyclohexane              | 5.464          | 56   | 336911     | 52.863  | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 321849     | 52.198  | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 280201     | 53.473  | ug/l   | 100      |
| 37) Ethyl Acetate            | 4.702          | 43   | 295879     | 51.685  | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 280024     | 53.717  | ug/l   | 100      |
| 39) Methylcyclohexane        | 7.379          | 83   | 347632     | 55.436  | ug/l   | 100      |
| 40) Benzene                  | 6.031          | 78   | 803836     | 52.438  | ug/l   | 100      |

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 VSTDICCC050

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 Response via : Initial Calibration

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| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.910  | 41   | 162192   | 51.698   | ug/l   | 100      |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 297436   | 52.795   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.330  | 43   | 510496   | 52.640   | ug/l   | 100      |
| 44) Trichloroethene           | 7.117  | 130  | 208557   | 52.363   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 211137   | 52.751   | ug/l   | 100      |
| 46) Dibromomethane            | 7.574  | 93   | 141630   | 52.048   | ug/l   | 100      |
| 47) Bromodichloromethane      | 7.818  | 83   | 283763   | 53.882   | ug/l   | 100      |
| 48) Methyl methacrylate       | 7.690  | 41   | 248069   | 53.186   | ug/l   | 100      |
| 49) 1,4-Dioxane               | 7.653  | 88   | 99162    | 1012.215 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone      | 8.567  | 43   | 1493686  | 265.505  | ug/l   | 100      |
| 52) Toluene                   | 8.714  | 92   | 508694   | 53.601   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 328562   | 55.378   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 349662   | 54.473   | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 203115   | 53.928   | ug/l   | 100      |
| 56) Ethyl methacrylate        | 9.116  | 69   | 335806   | 54.302   | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 356532   | 53.262   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 756771   | 237.457  | ug/l   | 100      |
| 59) 2-Hexanone                | 9.427  | 43   | 1155310  | 265.658  | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 217573   | 55.079   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 216417   | 53.248   | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 168949   | 53.558   | ug/l   | 100      |
| 65) Chlorobenzene             | 10.079 | 112  | 536104   | 52.031   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 201957   | 53.817   | ug/l   | 100      |
| 67) Ethyl Benzene             | 10.195 | 91   | 986630   | 53.488   | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 753560   | 106.348  | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 370728   | 52.136   | ug/l   | 100      |
| 70) Styrene                   | 10.652 | 104  | 614634   | 53.574   | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 157773   | 54.618   | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 982395   | 52.830   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 464961   | 52.205   | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 321855   | 51.869   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 271223m  | 47.957   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 231762   | 51.948   | ug/l   | 100      |
| 78) n-propylbenzene           | 11.305 | 91   | 1171377  | 54.545   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 700999   | 52.853   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 838030   | 53.730   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 108571   | 53.167   | ug/l   | 100      |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 818562   | 53.581   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 831484   | 52.874   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 837432   | 52.536   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 1041332  | 54.165   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 880580   | 54.499   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 455717   | 52.133   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 453646   | 51.324   | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.329 | 91   | 803974   | 55.971   | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 165647   | 55.404   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 441362   | 52.246   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 75794    | 53.762   | ug/l   | 100      |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 292944   | 55.453   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 117678   | 55.293   | ug/l   | 100      |
| 95) Naphthalene               | 13.774 | 128  | 949848   | 53.618   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 277437   | 53.726   | ug/l   | 100      |

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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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