

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031023\  
 Data File : VX034417.D  
 Acq On : 10 Mar 2023 15:07  
 Operator : JC/MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC005

Manual Integrations  
 APPROVED

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

Quant Time: Mar 13 10:20:57 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  | 340383     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 564946     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 493822     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 246543     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 24293      | 4.906    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 9.820%#  |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 18197      | 4.878    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 9.760%#  |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 70383      | 5.055    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 10.100%# |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 27736      | 4.931    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 9.860%#  |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 15241      | 4.803    | ug/l   | 99       |
| 3) Chloromethane             | 1.294          | 50   | 26339m     | 4.591    | ug/l   |          |
| 4) Vinyl Chloride            | 1.374          | 62   | 20863      | 4.829    | ug/l   | 96       |
| 5) Bromomethane              | 1.599          | 94   | 12611m     | 5.777    | ug/l   |          |
| 6) Chloroethane              | 1.679          | 64   | 12259      | 4.893    | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 32445      | 4.997    | ug/l   | 98       |
| 8) Diethyl Ether             | 2.130          | 74   | 11282      | 4.760    | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 18960      | 5.011    | ug/l   | 100      |
| 10) Methyl Iodide            | 2.447          | 142  | 23036      | 4.637    | ug/l   | 99       |
| 11) Tert butyl alcohol       | 2.953          | 59   | 28975      | 28.099   | ug/l # | 94       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 18429      | 4.946    | ug/l   | 87       |
| 13) Acrolein                 | 2.233          | 56   | 22767      | 27.909   | ug/l   | 98       |
| 14) Allyl chloride           | 2.660          | 41   | 36757      | 4.866    | ug/l   | 97       |
| 15) Acrylonitrile            | 3.056          | 53   | 53757      | 24.133   | ug/l   | 98       |
| 16) Acetone                  | 2.373          | 43   | 56567      | 24.251   | ug/l   | 95       |
| 17) Carbon Disulfide         | 2.508          | 76   | 55476      | 5.290    | ug/l   | 98       |
| 18) Methyl Acetate           | 2.697          | 43   | 35632      | 4.675    | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.105          | 73   | 63358      | 4.749    | ug/l   | 100      |
| 20) Methylene Chloride       | 2.782          | 84   | 22508      | 4.972    | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 20501      | 5.181    | ug/l   | 98       |
| 22) Diisopropyl ether        | 3.757          | 45   | 69862      | 4.850    | ug/l   | 97       |
| 23) Vinyl Acetate            | 3.715          | 43   | 262725     | 23.967   | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 37617      | 4.858    | ug/l   | 97       |
| 25) 2-Butanone               | 4.556          | 43   | 80443      | 24.102   | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 32550      | 4.836    | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 23955      | 5.028    | ug/l   | 96       |
| 28) Bromochloromethane       | 4.891          | 49   | 16628      | 4.619    | ug/l   | 99       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 48948      | 23.767   | ug/l   | 98       |
| 30) Chloroform               | 5.080          | 83   | 36204      | 4.770    | ug/l   | 97       |
| 31) Cyclohexane              | 5.464          | 56   | 35611      | 5.128    | ug/l   | 90       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 31812      | 4.735    | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 27794      | 4.851    | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.708          | 43   | 28570      | 4.565    | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 27163      | 4.766    | ug/l   | 96       |
| 39) Methylcyclohexane        | 7.373          | 83   | 35363      | 5.158    | ug/l   | 97       |
| 40) Benzene                  | 6.031          | 78   | 83847      | 5.003    | ug/l   | 99       |

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 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC005

Manual Integrations  
 APPROVED

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

Quant Time: Mar 13 10:20:57 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) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 16277    | 4.745  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 29487    | 4.787  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 49271    | 4.647  | ug/l   | 100      |
| 44) Trichloroethene           | 7.123  | 130  | 21785    | 5.003  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 7.421  | 63   | 21225    | 4.850  | ug/l   | 99       |
| 46) Dibromomethane            | 7.580  | 93   | 14905    | 5.010  | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.818  | 83   | 26683    | 4.634  | ug/l   | 95       |
| 48) Methyl methacrylate       | 7.690  | 41   | 24207    | 4.747  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 10659    | 99.516 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.568  | 43   | 149021   | 24.228 | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 51542    | 4.967  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 29053    | 4.479  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 33147    | 4.723  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 19565    | 4.751  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 30273    | 4.477  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 35415    | 4.839  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 81206    | 23.305 | ug/l   | 100      |
| 59) 2-Hexanone                | 9.427  | 43   | 114922   | 24.170 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 19004    | 4.400  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 21273    | 4.787  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 16740    | 5.046  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.079 | 112  | 54656    | 5.044  | ug/l   | 92       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 18654    | 4.727  | ug/l   | 96       |
| 67) Ethyl Benzene             | 10.195 | 91   | 96786    | 4.990  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 75401    | 10.119 | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 37627    | 5.032  | ug/l   | 99       |
| 70) Styrene                   | 10.652 | 104  | 58255    | 4.829  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 12656    | 4.166  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 96649    | 5.072  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.841 | 43   | 43089    | 4.721  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 31329    | 4.927  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 28547m   | 4.926  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 22958    | 5.022  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.305 | 91   | 110153   | 5.006  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 68108    | 5.011  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 80801    | 5.056  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 8580     | 4.100  | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 76719    | 4.901  | ug/l   | 95       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 78935    | 4.898  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 80682    | 4.939  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 100396   | 5.096  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 81760    | 4.938  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 45232    | 5.050  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 46055    | 5.085  | ug/l   | 96       |
| 89) n-Butylbenzene            | 12.329 | 91   | 71815    | 4.879  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.536 | 117  | 13818    | 4.510  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 43128    | 4.982  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 6330     | 4.382  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 27013    | 4.990  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 11336    | 5.198  | ug/l   | 96       |
| 95) Naphthalene               | 13.774 | 128  | 88354    | 4.867  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 28099    | 5.310  | ug/l   | 97       |

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Sample : VSTDICC005  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Manual Integrations  
APPROVED

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

Quant Time: Mar 13 10:20:57 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) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

