

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081623\  
 Data File : VX037005.D  
 Acq On : 16 Aug 2023 10:03  
 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

Quant Time: Aug 17 04:04:41 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072123W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 21 12:14:12 2023  
 Response via : Initial Calibration

08/17/2023  
 Supervised By :Mahesh  
 Dadoda

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 131323   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 224186   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 202142   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 105447   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 95473    | 49.134   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 98.260%  |
| 35) Dibromofluoromethane    | 5.379  | 113   | 78463    | 50.919   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 101.840% |
| 50) Toluene-d8              | 8.647  | 98    | 245723   | 44.967   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 89.940%# |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 105604   | 51.223   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 102.440% |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         | Qvalue  |        |     |
| 2) Dichlorodifluoromethane   | 1.166 | 85  | 85150   | 49.083  | ug/l   | 97  |
| 3) Chloromethane             | 1.300 | 50  | 68276   | 43.270  | ug/l   | 99  |
| 4) Vinyl Chloride            | 1.374 | 62  | 77280   | 48.105  | ug/l   | 99  |
| 5) Bromomethane              | 1.599 | 94  | 54926   | 57.268  | ug/l   | 99  |
| 6) Chloroethane              | 1.678 | 64  | 51261   | 65.631  | ug/l   | 100 |
| 7) Trichlorofluoromethane    | 1.886 | 101 | 143443  | 57.820  | ug/l   | 99  |
| 8) Diethyl Ether             | 2.136 | 74  | 57189   | 59.584  | ug/l   | 76  |
| 9) 1,1,2-Trichlorotrifluo... | 2.325 | 101 | 82275   | 55.200  | ug/l   | 98  |
| 10) Methyl Iodide            | 2.453 | 142 | 100767  | 65.090  | ug/l   | 95  |
| 11) Tert butyl alcohol       | 2.965 | 59  | 122071  | 265.359 | ug/l # | 91  |
| 12) 1,1-Dichloroethene       | 2.319 | 96  | 75576   | 51.395  | ug/l   | 85  |
| 13) Acrolein                 | 2.239 | 56  | 69765   | 265.737 | ug/l   | 98  |
| 14) Allyl chloride           | 2.660 | 41  | 128224  | 44.282  | ug/l # | 95  |
| 15) Acrylonitrile            | 3.062 | 53  | 250606  | 270.889 | ug/l   | 99  |
| 16) Acetone                  | 2.380 | 43  | 233461  | 289.539 | ug/l   | 91  |
| 17) Carbon Disulfide         | 2.508 | 76  | 170208  | 41.939  | ug/l   | 99  |
| 18) Methyl Acetate           | 2.703 | 43  | 179127  | 52.808  | ug/l # | 89  |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 328589  | 59.464  | ug/l   | 98  |
| 20) Methylene Chloride       | 2.788 | 84  | 91767   | 51.174  | ug/l # | 88  |
| 21) trans-1,2-Dichloroethene | 3.093 | 96  | 87439   | 53.204  | ug/l   | 86  |
| 22) Diisopropyl ether        | 3.757 | 45  | 275308  | 50.075  | ug/l # | 91  |
| 23) Vinyl Acetate            | 3.721 | 43  | 1083582 | 256.936 | ug/l # | 93  |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 162370  | 52.675  | ug/l   | 97  |
| 25) 2-Butanone               | 4.550 | 43  | 353209  | 269.995 | ug/l   | 90  |
| 26) 2,2-Dichloropropane      | 4.471 | 77  | 153216  | 52.750  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 4.483 | 96  | 108553  | 55.611  | ug/l   | 91  |
| 28) Bromochloromethane       | 4.891 | 49  | 67039   | 44.969  | ug/l # | 79  |
| 29) Tetrahydrofuran          | 5.001 | 42  | 217009  | 257.295 | ug/l # | 85  |
| 30) Chloroform               | 5.092 | 83  | 184943  | 58.644  | ug/l   | 98  |
| 31) Cyclohexane              | 5.470 | 56  | 121398  | 45.123  | ug/l   | 88  |
| 32) 1,1,1-Trichloroethane    | 5.379 | 97  | 162035  | 56.074  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 5.690 | 75  | 121746  | 53.008  | ug/l   | 98  |
| 37) Ethyl Acetate            | 4.708 | 43  | 133314  | 51.283  | ug/l # | 95  |
| 38) Carbon Tetrachloride     | 5.672 | 117 | 140002  | 57.336  | ug/l   | 99  |
| 39) Methylcyclohexane        | 7.379 | 83  | 128885  | 45.129  | ug/l   | 91  |
| 40) Benzene                  | 6.037 | 78  | 360941  | 54.015  | ug/l   | 98  |

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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

08/17/2023  
 Supervised By :Mahesh  
 Dadoda

Quant Time: Aug 17 04:04:41 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072123W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 21 12:14:12 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units | Dev(Min) |     |
|-------------------------------|--------|------|----------|----------|-------|----------|-----|
| 41) Methacrylonitrile         | 4.916  | 41   | 75212    | 54.096   | ug/l  | #        | 91  |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 151379   | 61.961   | ug/l  |          | 97  |
| 43) Isopropyl Acetate         | 6.336  | 43   | 228365   | 51.033   | ug/l  | #        | 93  |
| 44) Trichloroethene           | 7.123  | 130  | 100066   | 57.290   | ug/l  |          | 100 |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 94585    | 53.015   | ug/l  |          | 98  |
| 46) Dibromomethane            | 7.580  | 93   | 75107    | 60.151   | ug/l  |          | 95  |
| 47) Bromodichloromethane      | 7.818  | 83   | 148938   | 58.111   | ug/l  |          | 98  |
| 48) Methyl methacrylate       | 7.690  | 41   | 109467   | 52.602   | ug/l  | #        | 87  |
| 49) 1,4-Dioxane               | 7.659  | 88   | 47724    | 1135.192 | ug/l  | #        | 89  |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 668145   | 269.812  | ug/l  |          | 93  |
| 52) Toluene                   | 8.714  | 92   | 236194   | 56.411   | ug/l  |          | 99  |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 165223   | 57.036   | ug/l  |          | 98  |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 170575   | 55.802   | ug/l  | #        | 89  |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 104162   | 59.181   | ug/l  |          | 97  |
| 56) Ethyl methacrylate        | 9.116  | 69   | 164239   | 57.306   | ug/l  |          | 90  |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 172555   | 58.862   | ug/l  |          | 99  |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 382385   | 270.780  | ug/l  |          | 94  |
| 59) 2-Hexanone                | 9.427  | 43   | 506925   | 275.826  | ug/l  |          | 91  |
| 60) Dibromochloromethane      | 9.518  | 129  | 118723   | 61.372   | ug/l  |          | 99  |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 113543   | 62.245   | ug/l  |          | 99  |
| 64) Tetrachloroethene         | 9.275  | 164  | 88643    | 58.792   | ug/l  |          | 96  |
| 65) Chlorobenzene             | 10.079 | 112  | 255996   | 57.453   | ug/l  |          | 99  |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 104952   | 60.940   | ug/l  |          | 99  |
| 67) Ethyl Benzene             | 10.195 | 91   | 452435   | 55.582   | ug/l  |          | 99  |
| 68) m/p-Xylenes               | 10.299 | 106  | 348454   | 114.733  | ug/l  |          | 98  |
| 69) o-Xylene                  | 10.640 | 106  | 173420   | 57.206   | ug/l  |          | 99  |
| 70) Styrene                   | 10.652 | 104  | 292890   | 58.559   | ug/l  |          | 98  |
| 71) Bromoform                 | 10.799 | 173  | 84394    | 60.536   | ug/l  | #        | 100 |
| 73) Isopropylbenzene          | 10.963 | 105  | 442471   | 50.703   | ug/l  |          | 99  |
| 74) N-amyl acetate            | 10.841 | 43   | 186463   | 45.820   | ug/l  |          | 93  |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 154764   | 52.508   | ug/l  |          | 99  |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 136584m  | 55.069   | ug/l  |          |     |
| 77) Bromobenzene              | 11.195 | 156  | 111232   | 55.970   | ug/l  |          | 93  |
| 78) n-propylbenzene           | 11.305 | 91   | 499793   | 49.521   | ug/l  |          | 99  |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 315432   | 51.578   | ug/l  |          | 98  |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 376880   | 51.624   | ug/l  |          | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 52629    | 48.095   | ug/l  |          | 86  |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 368045   | 52.818   | ug/l  |          | 99  |
| 83) tert-Butylbenzene         | 11.713 | 119  | 357886   | 49.901   | ug/l  |          | 98  |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 379656   | 52.000   | ug/l  |          | 97  |
| 85) sec-Butylbenzene          | 11.890 | 105  | 428474   | 47.905   | ug/l  |          | 99  |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 366590   | 49.811   | ug/l  |          | 98  |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 204961   | 55.683   | ug/l  |          | 99  |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 207192   | 56.720   | ug/l  |          | 99  |
| 89) n-Butylbenzene            | 12.329 | 91   | 311604   | 47.297   | ug/l  |          | 99  |
| 90) Hexachloroethane          | 12.536 | 117  | 64311    | 43.104   | ug/l  |          | 94  |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 204586   | 57.598   | ug/l  |          | 99  |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 36955    | 53.955   | ug/l  |          | 84  |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 122153   | 55.819   | ug/l  |          | 97  |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 47231    | 52.169   | ug/l  |          | 99  |
| 95) Naphthalene               | 13.774 | 128  | 462909   | 60.701   | ug/l  |          | 100 |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 122669   | 56.873   | ug/l  |          | 99  |

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ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 17 04:04:41 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072123W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 21 12:14:12 2023  
Response via : Initial Calibration

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :John  
Carlone

08/17/2023  
Supervised By :Mahesh  
Dadoda

08/17/2023

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

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

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