

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060624\  
 Data File : VX041776.D  
 Acq On : 06 Jun 2024 16:59  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 06/07/2024  
 Supervised By :Mahesh Dadoda 06/07/2024

Quant Time: Jun 07 01:01:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X052924W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 30 07:36:24 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units | Dev(Min) |
|------------------------------|----------------|------|------------|---------|-------|----------|
| -----                        |                |      |            |         |       |          |
| Internal Standards           |                |      |            |         |       |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 191005     | 50.000  | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 6.751          | 114  | 275605     | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 256753     | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 139361     | 50.000  | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |            |         |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.946          | 65   | 107673     | 45.963  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 91.920% |       |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 87476      | 45.907  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 91.820% |       |          |
| 50) Toluene-d8               | 8.647          | 98   | 309155     | 46.433  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 92.860% |       |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 117351     | 47.755  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 95.500% |       |          |
| Target Compounds             |                |      |            |         |       |          |
|                              |                |      |            |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 79936      | 47.628  | ug/l  | 99       |
| 3) Chloromethane             | 1.301          | 50   | 81490      | 44.501  | ug/l  | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 87136      | 46.224  | ug/l  | 100      |
| 5) Bromomethane              | 1.593          | 94   | 57920      | 44.118  | ug/l  | 98       |
| 6) Chloroethane              | 1.666          | 64   | 58587      | 51.420  | ug/l  | 99       |
| 7) Trichlorofluoromethane    | 1.867          | 101  | 142619     | 46.330  | ug/l  | 99       |
| 8) Diethyl Ether             | 2.136          | 74   | 53660      | 45.229  | ug/l  | 92       |
| 9) 1,1,2-Trichlorotrifluo... | 2.313          | 101  | 83147      | 47.668  | ug/l  | 90       |
| 10) Methyl Iodide            | 2.441          | 142  | 104657     | 48.116  | ug/l  | 91       |
| 11) Tert butyl alcohol       | 2.989          | 59   | 114883     | 277.222 | ug/l  | # 94     |
| 12) 1,1-Dichloroethene       | 2.306          | 96   | 77460      | 45.494  | ug/l  | 92       |
| 13) Acrolein                 | 2.239          | 56   | 95293      | 246.968 | ug/l  | 99       |
| 14) Allyl chloride           | 2.654          | 41   | 136654     | 48.787  | ug/l  | 99       |
| 15) Acrylonitrile            | 3.062          | 53   | 259922     | 255.752 | ug/l  | 99       |
| 16) Acetone                  | 2.386          | 43   | 248194     | 245.229 | ug/l  | 96       |
| 17) Carbon Disulfide         | 2.502          | 76   | 165904     | 44.047  | ug/l  | 99       |
| 18) Methyl Acetate           | 2.703          | 43   | 118856     | 53.136  | ug/l  | 98       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 269761     | 47.355  | ug/l  | 100      |
| 20) Methylene Chloride       | 2.782          | 84   | 90759      | 43.293  | ug/l  | 96       |
| 21) trans-1,2-Dichloroethene | 3.081          | 96   | 81198      | 45.964  | ug/l  | 90       |
| 22) Diisopropyl ether        | 3.763          | 45   | 277291     | 48.440  | ug/l  | 85       |
| 23) Vinyl Acetate            | 3.721          | 43   | 1283101    | 249.499 | ug/l  | 97       |
| 24) 1,1-Dichloroethane       | 3.599          | 63   | 152282     | 47.045  | ug/l  | 97       |
| 25) 2-Butanone               | 4.556          | 43   | 378295     | 259.826 | ug/l  | 97       |
| 26) 2,2-Dichloropropane      | 4.465          | 77   | 121073     | 45.589  | ug/l  | 97       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 100636     | 47.657  | ug/l  | 92       |
| 28) Bromochloromethane       | 4.891          | 49   | 63107      | 45.266  | ug/l  | # 83     |
| 29) Tetrahydrofuran          | 5.001          | 42   | 242778     | 264.405 | ug/l  | 98       |
| 30) Chloroform               | 5.086          | 83   | 162165     | 47.717  | ug/l  | 96       |
| 31) Cyclohexane              | 5.458          | 56   | 128541     | 46.476  | ug/l  | 94       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 140396     | 47.142  | ug/l  | 98       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 106983     | 46.367  | ug/l  | 97       |
| 37) Ethyl Acetate            | 4.715          | 43   | 141579     | 48.622  | ug/l  | 100      |
| 38) Carbon Tetrachloride     | 5.666          | 117  | 123734     | 47.202  | ug/l  | 97       |
| 39) Methylcyclohexane        | 7.373          | 83   | 137919     | 48.655  | ug/l  | 94       |
| 40) Benzene                  | 6.031          | 78   | 338088     | 46.879  | ug/l  | 99       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Jun 07 01:01:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X052924W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 30 07:36:24 2024  
 Response via : Initial Calibration

Manual Integrations  
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Reviewed By :John Carlone 06/07/2024  
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| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 79514    | 55.836   | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 127338   | 47.297   | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 217026   | 49.366   | ug/l   | 99       |
| 44) Trichloroethene           | 7.117  | 130  | 92347    | 47.082   | ug/l   | 90       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 83906    | 48.933   | ug/l   | 100      |
| 46) Dibromomethane            | 7.574  | 93   | 63181    | 48.040   | ug/l # | 80       |
| 47) Bromodichloromethane      | 7.818  | 83   | 120978   | 49.678   | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.690  | 41   | 109091   | 51.672   | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 49561    | 1074.395 | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 747745   | 262.293  | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 220624   | 48.204   | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 121929   | 50.866   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 132222   | 49.862   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 89734    | 48.637   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 145956   | 51.830   | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 146924   | 47.966   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 344521   | 259.862  | ug/l   | 95       |
| 59) 2-Hexanone                | 9.427  | 43   | 580583   | 267.125  | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.519  | 129  | 103819   | 50.726   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 94511    | 48.536   | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 90147    | 46.846   | ug/l   | 92       |
| 65) Chlorobenzene             | 10.079 | 112  | 259135   | 47.028   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 91249    | 47.723   | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.189 | 91   | 426627   | 48.583   | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 338241   | 96.821   | ug/l   | 95       |
| 69) o-Xylene                  | 10.640 | 106  | 166936   | 48.035   | ug/l   | 94       |
| 70) Styrene                   | 10.652 | 104  | 286017   | 49.827   | ug/l   | 96       |
| 71) Bromoform                 | 10.799 | 173  | 83726    | 50.281   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 432326   | 50.011   | ug/l   | 97       |
| 74) N-amyl acetate            | 10.841 | 43   | 198619   | 51.867   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 144672   | 47.157   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 122660m  | 50.445   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 118728   | 46.529   | ug/l   | 82       |
| 78) n-propylbenzene           | 11.305 | 91   | 493094   | 51.946   | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 298669   | 48.953   | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 363071   | 50.303   | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 44572    | 49.960   | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 345903   | 49.834   | ug/l   | 94       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 385939   | 49.640   | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 370096   | 50.609   | ug/l   | 95       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 466001   | 52.281   | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 410147   | 52.466   | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 219893   | 48.253   | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 221407   | 47.132   | ug/l   | 96       |
| 89) n-Butylbenzene            | 12.329 | 91   | 338246   | 54.657   | ug/l   | 98       |
| 90) Hexachloroethane          | 12.536 | 117  | 66849    | 50.277   | ug/l   | 63       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 222074   | 47.842   | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 33142    | 53.475   | ug/l   | 66       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 153426   | 50.152   | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 72899    | 48.097   | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 461858   | 51.160   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 154699   | 49.135   | ug/l   | 95       |

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ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId :  
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Manual Integrations  
APPROVED

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Quant Title : SW846 8260  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

