

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110922\  
 Data File : VX032669.D  
 Acq On : 09 Nov 2022 11:10  
 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: Nov 10 03:02:42 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 27 08:28:06 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| -----                        |        |       |          |          |       |          |
| Internal Standards           |        |       |          |          |       |          |
| 1) Pentafluorobenzene        | 5.550  | 168   | 106019   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757  | 114   | 160203   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 147312   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 80231    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds  |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.952  | 65    | 72442    | 49.176   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =     | 98.360%  |
| 35) Dibromofluoromethane     | 5.385  | 113   | 58920    | 51.560   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =     | 103.120% |
| 50) Toluene-d8               | 8.647  | 98    | 200354   | 50.422   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =     | 100.840% |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 84016    | 54.128   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =     | 108.260% |
| Target Compounds             |        |       |          |          |       |          |
|                              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166  | 85    | 60805    | 49.727   | ug/l  | 97       |
| 3) Chloromethane             | 1.295  | 50    | 48919    | 47.306   | ug/l  | 99       |
| 4) Vinyl Chloride            | 1.374  | 62    | 56794    | 49.904   | ug/l  | 97       |
| 5) Bromomethane              | 1.618  | 94    | 38885    | 42.755   | ug/l  | 100      |
| 6) Chloroethane              | 1.691  | 64    | 49469    | 64.793   | ug/l  | 98       |
| 7) Trichlorofluoromethane    | 1.886  | 101   | 113822   | 52.783   | ug/l  | 100      |
| 8) Diethyl Ether             | 2.130  | 74    | 34881    | 49.915   | ug/l  | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101   | 61068    | 53.655   | ug/l  | 99       |
| 10) Methyl Iodide            | 2.453  | 142   | 66645    | 52.543   | ug/l  | 99       |
| 11) Tert butyl alcohol       | 3.026  | 59    | 45298m   | 211.269  | ug/l  |          |
| 12) 1,1-Dichloroethene       | 2.319  | 96    | 53871    | 50.667   | ug/l  | 95       |
| 13) Acrolein                 | 2.239  | 56    | 54993    | 256.922  | ug/l  | 100      |
| 14) Allyl chloride           | 2.666  | 41    | 88886    | 52.444   | ug/l  | 98       |
| 15) Acrylonitrile            | 3.062  | 53    | 134303   | 230.804  | ug/l  | 99       |
| 16) Acetone                  | 2.392  | 43    | 135795   | 253.630  | ug/l  | 98       |
| 17) Carbon Disulfide         | 2.514  | 76    | 113329   | 44.751   | ug/l  | 99       |
| 18) Methyl Acetate           | 2.703  | 43    | 88068    | 50.582   | ug/l  | 100      |
| 19) Methyl tert-butyl Ether  | 3.111  | 73    | 198026   | 52.992   | ug/l  | 99       |
| 20) Methylene Chloride       | 2.788  | 84    | 62182    | 50.654   | ug/l  | 96       |
| 21) trans-1,2-Dichloroethene | 3.087  | 96    | 58583    | 50.619   | ug/l  | 99       |
| 22) Diisopropyl ether        | 3.757  | 45    | 202732   | 55.301   | ug/l  | 95       |
| 23) Vinyl Acetate            | 3.721  | 43    | 771737   | 260.561  | ug/l  | 100      |
| 24) 1,1-Dichloroethane       | 3.605  | 63    | 112248   | 53.232   | ug/l  | 99       |
| 25) 2-Butanone               | 4.562  | 43    | 195787   | 236.031  | ug/l  | 99       |
| 26) 2,2-Dichloropropane      | 4.471  | 77    | 98359    | 58.679   | ug/l  | 100      |
| 27) cis-1,2-Dichloroethene   | 4.483  | 96    | 72917    | 54.508   | ug/l  | 98       |
| 28) Bromochloromethane       | 4.891  | 49    | 36268    | 48.287   | ug/l  | 97       |
| 29) Tetrahydrofuran          | 5.007  | 42    | 118794   | 224.589  | ug/l  | 100      |
| 30) Chloroform               | 5.093  | 83    | 128066   | 55.348   | ug/l  | 97       |
| 31) Cyclohexane              | 5.464  | 56    | 93215    | 52.189   | ug/l  | 96       |
| 32) 1,1,1-Trichloroethane    | 5.379  | 97    | 115132   | 55.449   | ug/l  | 99       |
| 36) 1,1-Dichloropropene      | 5.690  | 75    | 89415    | 56.189   | ug/l  | 99       |
| 37) Ethyl Acetate            | 4.709  | 43    | 76742    | 46.330   | ug/l  | 98       |
| 38) Carbon Tetrachloride     | 5.672  | 117   | 99988    | 56.651   | ug/l  | 98       |
| 39) Methylcyclohexane        | 7.379  | 83    | 102612   | 54.500   | ug/l  | 99       |
| 40) Benzene                  | 6.038  | 78    | 248953   | 55.284   | ug/l  | 99       |

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 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: Nov 10 03:02:42 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 27 08:28:06 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 44856    | 53.158  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 105202   | 57.150  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 131793   | 51.820  | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 69145    | 54.545  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 65150    | 56.360  | ug/l   | 96       |
| 46) Dibromomethane            | 7.580  | 93   | 48324    | 54.509  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.818  | 83   | 97590    | 58.082  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 67656    | 51.508  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.714  | 88   | 21105    | 843.114 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 403378   | 251.804 | ug/l   | 100      |
| 52) Toluene                   | 8.720  | 92   | 166470   | 56.661  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 101401   | 59.149  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 107370   | 58.557  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 68246    | 55.156  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 100553   | 56.472  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 111401   | 55.753  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 225564   | 263.088 | ug/l   | 100      |
| 59) 2-Hexanone                | 9.433  | 43   | 302367   | 254.375 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 76468    | 56.581  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 73662    | 56.186  | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.275  | 164  | 60479    | 56.092  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.080 | 112  | 184291   | 55.848  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 71793    | 57.807  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 332596   | 56.363  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 261869   | 114.285 | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 127625   | 57.286  | ug/l   | 99       |
| 70) Styrene                   | 10.653 | 104  | 217759   | 58.814  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 53217    | 54.196  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.964 | 105  | 352171   | 55.393  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 126256   | 52.559  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 102982   | 50.464  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 81854m   | 45.858  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 84784    | 54.396  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 407513   | 55.634  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 244221   | 55.673  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 305347   | 56.196  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 29180    | 52.019  | ug/l   | 100      |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 288339   | 56.173  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 302306   | 55.727  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 302450   | 55.965  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 366391   | 56.131  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 314275   | 56.741  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 166711   | 56.702  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 167083   | 54.778  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.335 | 91   | 276160   | 57.311  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 51328    | 56.735  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 160913   | 55.505  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 21181    | 47.338  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 102388   | 54.166  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 43829    | 55.518  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 318854   | 50.623  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 100063   | 52.075  | ug/l   | 99       |

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Quant Time: Nov 10 03:02:42 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 27 08:28:06 2022  
Response via : Initial Calibration

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :John  
Carlone

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

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

11/10/2022  
Supervised By :Mahesh  
Dadoda

11/10/2022

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