

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111721\  
 Data File : VX025190.D  
 Acq On : 17 Nov 2021 15:48  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX111721

Quant Time: Nov 18 06:26:45 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 17 15:36:16 2021  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/18/2021  
 Supervised By : Mahesh Dadoda 11/18/2021

| Compound                     | R.T.           | QIon | Response            | Conc    | Units | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|-------|----------|
| -----                        |                |      |                     |         |       |          |
| Internal Standards           |                |      |                     |         |       |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 129798              | 50.000  | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 200164              | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 184891              | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 95816               | 50.000  | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 67239               | 49.146  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 98.300%  |         |       |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 62732               | 51.079  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 102.160% |         |       |          |
| 50) Toluene-d8               | 8.647          | 98   | 234289              | 50.738  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 101.480% |         |       |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 86719               | 49.642  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 99.280%  |         |       |          |
| Target Compounds             |                |      |                     |         |       |          |
|                              |                |      |                     |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 64839               | 57.627  | ug/l  | 100      |
| 3) Chloromethane             | 1.288          | 50   | 70190               | 50.383  | ug/l  | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 79055               | 51.685  | ug/l  | 99       |
| 5) Bromomethane              | 1.593          | 94   | 36203               | 55.053  | ug/l  | 98       |
| 6) Chloroethane              | 1.678          | 64   | 49490               | 46.894  | ug/l  | 99       |
| 7) Trichlorofluoromethane    | 1.880          | 101  | 119632              | 52.696  | ug/l  | 99       |
| 8) Diethyl Ether             | 2.130          | 74   | 46415               | 49.540  | ug/l  | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 62502               | 51.743  | ug/l  | 97       |
| 10) Methyl Iodide            | 2.447          | 142  | 74877               | 49.576  | ug/l  | 91       |
| 11) Tert butyl alcohol       | 2.965          | 59   | 77973               | 229.668 | ug/l  | 98       |
| 12) 1,1-Dichloroethene       | 2.312          | 96   | 59649               | 49.583  | ug/l  | 89       |
| 13) Acrolein                 | 2.233          | 56   | 13885               | 221.528 | ug/l  | 98       |
| 14) Allyl chloride           | 2.660          | 41   | 103576              | 47.572  | ug/l  | 94       |
| 15) Acrylonitrile            | 3.062          | 53   | 174958              | 238.301 | ug/l  | 98       |
| 16) Acetone                  | 2.380          | 43   | 185930              | 244.570 | ug/l  | 97       |
| 17) Carbon Disulfide         | 2.508          | 76   | 161804              | 47.811  | ug/l  | 98       |
| 18) Methyl Acetate           | 2.703          | 43   | 111182              | 45.773  | ug/l  | 98       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 205301              | 48.978  | ug/l  | 100      |
| 20) Methylene Chloride       | 2.788          | 84   | 67111               | 46.960  | ug/l  | 95       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 65345               | 49.582  | ug/l  | 88       |
| 22) Diisopropyl ether        | 3.757          | 45   | 203333              | 49.039  | ug/l  | 95       |
| 23) Vinyl Acetate            | 3.721          | 43   | 819506              | 246.055 | ug/l  | 96       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 111159              | 49.064  | ug/l  | 97       |
| 25) 2-Butanone               | 4.556          | 43   | 262293              | 238.636 | ug/l  | 97       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 103971              | 50.619  | ug/l  | 96       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 76008               | 49.387  | ug/l  | 90       |
| 28) Bromochloromethane       | 4.897          | 49   | 53709               | 50.840  | ug/l  | 92       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 157829              | 231.912 | ug/l  | 97       |
| 30) Chloroform               | 5.092          | 83   | 115310              | 48.907  | ug/l  | 95       |
| 31) Cyclohexane              | 5.464          | 56   | 105126              | 49.723  | ug/l  | 99       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 106437              | 49.308  | ug/l  | 97       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 87860               | 50.310  | ug/l  | 97       |
| 37) Ethyl Acetate            | 4.714          | 43   | 95082               | 47.854  | ug/l  | 99       |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 97746               | 50.817  | ug/l  | 98       |
| 39) Methylcyclohexane        | 7.379          | 83   | 114863              | 51.277  | ug/l  | 93       |
| 40) Benzene                  | 6.037          | 78   | 261867              | 49.500  | ug/l  | 98       |

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 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX111721

Quant Time: Nov 18 06:26:45 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 17 15:36:16 2021  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/18/2021  
 Supervised By : Mahesh Dadoda 11/18/2021

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 52002    | 47.154  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 85695    | 49.784  | ug/l   | 92       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 159935   | 48.367  | ug/l   | 97       |
| 44) Trichloroethene           | 7.123  | 130  | 77536    | 50.453  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 65793    | 50.636  | ug/l   | 97       |
| 46) Dibromomethane            | 7.580  | 93   | 47564    | 50.427  | ug/l   | 93       |
| 47) Bromodichloromethane      | 7.824  | 83   | 93482    | 50.432  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.690  | 41   | 74141    | 47.775  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 31143    | 950.294 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 496037   | 239.232 | ug/l   | 97       |
| 52) Toluene                   | 8.720  | 92   | 172612   | 49.977  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 105508   | 51.185  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 112535   | 50.365  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 69057    | 50.307  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 111586   | 50.091  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 113335   | 49.813  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 238322   | 229.949 | ug/l   | 95       |
| 59) 2-Hexanone                | 9.433  | 43   | 394471   | 241.318 | ug/l   | 96       |
| 60) Dibromochloromethane      | 9.525  | 129  | 79796    | 50.506  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 73783    | 49.627  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.275  | 164  | 78103    | 51.228  | ug/l   | 95       |
| 65) Chlorobenzene             | 10.079 | 112  | 191264   | 50.764  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 72609    | 50.253  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 333163   | 51.169  | ug/l   | 97       |
| 68) m/p-Xylenes               | 10.305 | 106  | 265717   | 99.913  | ug/l   | 93       |
| 69) o-Xylene                  | 10.646 | 106  | 131777   | 50.626  | ug/l   | 90       |
| 70) Styrene                   | 10.659 | 104  | 218360   | 50.780  | ug/l   | 97       |
| 71) Bromoform                 | 10.799 | 173  | 63133    | 50.327  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 337713   | 49.455  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.841 | 43   | 141730   | 47.985  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 103901   | 47.040  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 96377m   | 49.119  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 86798    | 49.425  | ug/l   | 92       |
| 78) n-propylbenzene           | 11.305 | 91   | 394410   | 51.455  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 227583   | 48.769  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 286015   | 49.828  | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 38443    | 49.357  | ug/l   | 86       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 262948   | 49.362  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 286249   | 49.071  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 284607   | 50.167  | ug/l   | 95       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 361831   | 51.021  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 309453   | 50.786  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 164134   | 50.208  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 163039   | 49.219  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.335 | 91   | 265189   | 51.635  | ug/l   | 96       |
| 90) Hexachloroethane          | 12.542 | 117  | 57141    | 50.888  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 156434   | 49.102  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 23309    | 50.521  | ug/l   | 84       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 103222   | 55.047  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 45759    | 50.822  | ug/l   | 97       |
| 95) Naphthalene               | 13.780 | 128  | 330650   | 51.152  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 102316   | 55.776  | ug/l   | 99       |

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Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
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Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/18/2021  
Supervised By :Mahesh Dadoda 11/18/2021

Quant Time: Nov 18 06:26:45 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111721W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 17 15:36:16 2021  
Response via : Initial Calibration

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

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

