

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031822\  
 Data File : VX027548.D  
 Acq On : 18 Mar 2022 23:59  
 Operator : JC/MD  
 Sample : VX0318WBSD02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0318WBSD02

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 03/19/2022  
 Supervised By : Mahesh Dadoda 03/21/2022

Quant Time: Mar 19 03:25:56 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031722W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 17 15:02:59 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 319732              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 511159              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 470267              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 227026              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 202876              | 51.507  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 103.020% |         |        |          |
| 35) Dibromofluoromethane     | 5.391          | 113  | 175729              | 53.434  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 106.860% |         |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 657327              | 52.819  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 105.640% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.085         | 95   | 235133              | 51.405  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 102.800% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 62526               | 20.373  | ug/l   | 98       |
| 3) Chloromethane             | 1.294          | 50   | 55607               | 20.411  | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.374          | 62   | 64313               | 20.431  | ug/l   | 99       |
| 5) Bromomethane              | 1.599          | 94   | 39418               | 21.341  | ug/l   | 99       |
| 6) Chloroethane              | 1.685          | 64   | 39200               | 20.293  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 100419              | 19.325  | ug/l   | 95       |
| 8) Diethyl Ether             | 2.136          | 74   | 37313               | 19.278  | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 61609               | 19.910  | ug/l   | 95       |
| 10) Methyl Iodide            | 2.453          | 142  | 61073               | 14.910  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 2.965          | 59   | 73080               | 97.355  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 60162               | 20.264  | ug/l   | 94       |
| 13) Acrolein                 | 2.239          | 56   | 40542               | 69.599  | ug/l   | 97       |
| 14) Allyl chloride           | 2.666          | 41   | 90765               | 19.537  | ug/l   | 96       |
| 15) Acrylonitrile            | 3.069          | 53   | 184104              | 107.879 | ug/l   | 100      |
| 16) Acetone                  | 2.380          | 43   | 149499              | 93.118  | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.508          | 76   | 153641              | 20.338  | ug/l   | 98       |
| 18) Methyl Acetate           | 2.703          | 43   | 78606               | 20.429  | ug/l   | 96       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 198840              | 19.850  | ug/l   | 100      |
| 20) Methylene Chloride       | 2.788          | 84   | 68417               | 19.821  | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 65249               | 20.603  | ug/l   | 99       |
| 22) Diisopropyl ether        | 3.764          | 45   | 187837              | 20.703  | ug/l # | 84       |
| 23) Vinyl Acetate            | 3.727          | 43   | 807951              | 102.400 | ug/l   | 95       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 114688              | 20.784  | ug/l   | 97       |
| 25) 2-Butanone               | 4.562          | 43   | 243757              | 100.915 | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 4.483          | 77   | 67377               | 14.952  | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 4.495          | 96   | 75472               | 20.549  | ug/l   | 95       |
| 28) Bromochloromethane       | 4.904          | 49   | 47928               | 21.531  | ug/l   | 93       |
| 29) Tetrahydrofuran          | 5.013          | 42   | 162504              | 104.873 | ug/l   | 93       |
| 30) Chloroform               | 5.099          | 83   | 124305              | 20.421  | ug/l   | 97       |
| 31) Cyclohexane              | 5.471          | 56   | 99649               | 20.374  | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 5.391          | 97   | 107435              | 19.385  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 88446               | 19.680  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.721          | 43   | 92553               | 20.667  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 97958               | 19.052  | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.385          | 83   | 107388              | 19.002  | ug/l   | 99       |
| 40) Benzene                  | 6.044          | 78   | 265282              | 20.575  | ug/l   | 99       |

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 Sample : VX0318WBSD02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0318WBSD02

Quant Time: Mar 19 03:25:56 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031722W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 17 15:02:59 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 03/19/2022  
 Supervised By : Mahesh Dadoda 03/21/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 51169    | 20.951  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 95650    | 19.794  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.348  | 43   | 139502   | 19.356  | ug/l   | 97       |
| 44) Trichloroethene           | 7.129  | 130  | 76276    | 19.488  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 66370    | 20.209  | ug/l   | 96       |
| 46) Dibromomethane            | 7.586  | 93   | 49974    | 19.920  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.824  | 83   | 94037    | 19.907  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.696  | 41   | 72152    | 20.228  | ug/l   | 91       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 37319    | 407.357 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 483019   | 104.986 | ug/l   | 95       |
| 52) Toluene                   | 8.720  | 92   | 176112   | 20.383  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 90432    | 18.653  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.372  | 75   | 100032   | 18.958  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 73228    | 20.815  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 104162   | 19.789  | ug/l   | 91       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 117162   | 20.514  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 276877   | 103.190 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 375073   | 105.849 | ug/l   | 92       |
| 60) Dibromochloromethane      | 9.525  | 129  | 76900    | 19.857  | ug/l   | 95       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 76728    | 19.844  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 71734    | 19.619  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.079 | 112  | 192830   | 19.933  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 71279    | 19.749  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 330942   | 19.986  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.305 | 106  | 261533   | 40.114  | ug/l   | 99       |
| 69) o-Xylene                  | 10.646 | 106  | 128917   | 20.365  | ug/l   | 99       |
| 70) Styrene                   | 10.659 | 104  | 212078   | 20.508  | ug/l   | 99       |
| 71) Bromoform                 | 10.805 | 173  | 55897    | 19.385  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.963 | 105  | 333950   | 20.195  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 113818   | 19.412  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 109371   | 20.880  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 98659m   | 20.776  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 84008    | 20.155  | ug/l   | 96       |
| 78) n-propylbenzene           | 11.305 | 91   | 366493   | 20.190  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 228042   | 20.027  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 284250   | 20.424  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 24920    | 15.938  | ug/l # | 86       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 257824   | 19.886  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 282885   | 20.518  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 283910   | 20.455  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 336340   | 20.187  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 285800   | 19.971  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 153489   | 19.875  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 153989   | 19.706  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.335 | 91   | 226931   | 19.002  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.542 | 117  | 42971    | 18.829  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 153673   | 20.380  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 23085    | 19.216  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 91811    | 18.996  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 39502    | 18.503  | ug/l   | 95       |
| 95) Naphthalene               | 13.780 | 128  | 319832   | 20.328  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 94270    | 19.282  | ug/l   | 96       |

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ALS Vial : 35 Sample Multiplier: 1

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Manual Integrations  
APPROVED

Reviewed By : John Carlone 03/19/2022  
Supervised By : Mahesh Dadoda 03/21/2022

Quant Time: Mar 19 03:25:56 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031722W.M  
Quant Title : SW846 8260  
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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

