

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021122\  
 Data File : VX026989.D  
 Acq On : 12 Feb 2022 00:11  
 Operator : JC/MD  
 Sample : VX0211WBS02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0211WBS02

Quant Time: Feb 12 04:40:15 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020822W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 08 07:07:46 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/14/2022  
 Supervised By : Mahesh Dadoda 02/15/2022

| Compound                     | R.T.           | QIon | Response            | Conc    | Units | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|-------|----------|
| -----                        |                |      |                     |         |       |          |
| Internal Standards           |                |      |                     |         |       |          |
| 1) Pentafluorobenzene        | 5.562          | 168  | 87583               | 50.000  | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 147516              | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 131569              | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 57727               | 50.000  | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 55038               | 52.350  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 104.700% |         |       |          |
| 35) Dibromofluoromethane     | 5.391          | 113  | 44030               | 50.098  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 100.200% |         |       |          |
| 50) Toluene-d8               | 8.653          | 98   | 166628              | 51.650  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 103.300% |         |       |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 59054               | 51.993  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 103.980% |         |       |          |
| Target Compounds             |                |      |                     |         |       |          |
|                              |                |      |                     |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.173          | 85   | 18903               | 19.849  | ug/l  | 97       |
| 3) Chloromethane             | 1.294          | 50   | 17866               | 20.166  | ug/l  | 100      |
| 4) Vinyl Chloride            | 1.380          | 62   | 18282               | 19.713  | ug/l  | 99       |
| 5) Bromomethane              | 1.611          | 94   | 7758                | 19.713  | ug/l  | 98       |
| 6) Chloroethane              | 1.691          | 64   | 11173               | 20.166  | ug/l  | 100      |
| 7) Trichlorofluoromethane    | 1.892          | 101  | 27098               | 19.855  | ug/l  | 99       |
| 8) Diethyl Ether             | 2.136          | 74   | 9848                | 19.479  | ug/l  | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 2.337          | 101  | 17678               | 19.761  | ug/l  | 99       |
| 10) Methyl Iodide            | 2.459          | 142  | 22446               | 19.529  | ug/l  | 97       |
| 11) Tert butyl alcohol       | 2.971          | 59   | 18477               | 97.284  | ug/l  | 96       |
| 12) 1,1-Dichloroethene       | 2.325          | 96   | 17273               | 19.271  | ug/l  | 88       |
| 13) Acrolein                 | 2.239          | 56   | 14932               | 85.073  | ug/l  | 99       |
| 14) Allyl chloride           | 2.672          | 41   | 31309               | 19.720  | ug/l  | 96       |
| 15) Acrylonitrile            | 3.069          | 53   | 57389               | 105.443 | ug/l  | 98       |
| 16) Acetone                  | 2.386          | 43   | 48672               | 105.406 | ug/l  | 95       |
| 17) Carbon Disulfide         | 2.520          | 76   | 44291               | 17.455  | ug/l  | 99       |
| 18) Methyl Acetate           | 2.709          | 43   | 25878               | 19.478  | ug/l  | 99       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 61491               | 19.381  | ug/l  | 98       |
| 20) Methylene Chloride       | 2.794          | 84   | 20294               | 20.283  | ug/l  | 96       |
| 21) trans-1,2-Dichloroethene | 3.099          | 96   | 18612               | 19.733  | ug/l  | 95       |
| 22) Diisopropyl ether        | 3.764          | 45   | 64545               | 20.192  | ug/l  | 97       |
| 23) Vinyl Acetate            | 3.727          | 43   | 271069              | 100.861 | ug/l  | 98       |
| 24) 1,1-Dichloroethane       | 3.617          | 63   | 34597               | 20.002  | ug/l  | 100      |
| 25) 2-Butanone               | 4.562          | 43   | 80149               | 107.732 | ug/l  | 100      |
| 26) 2,2-Dichloropropane      | 4.483          | 77   | 21632               | 18.510  | ug/l  | 96       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 22350               | 20.638  | ug/l  | 94       |
| 28) Bromochloromethane       | 4.910          | 49   | 14361               | 20.029  | ug/l  | 98       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 52458               | 103.718 | ug/l  | 98       |
| 30) Chloroform               | 5.105          | 83   | 36384               | 20.246  | ug/l  | 99       |
| 31) Cyclohexane              | 5.477          | 56   | 32054               | 19.188  | ug/l  | 95       |
| 32) 1,1,1-Trichloroethane    | 5.391          | 97   | 31020               | 19.578  | ug/l  | 99       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 26189               | 18.889  | ug/l  | 98       |
| 37) Ethyl Acetate            | 4.721          | 43   | 29951               | 19.008  | ug/l  | 97       |
| 38) Carbon Tetrachloride     | 5.684          | 117  | 27456               | 18.884  | ug/l  | 96       |
| 39) Methylcyclohexane        | 7.385          | 83   | 31779               | 18.690  | ug/l  | 96       |
| 40) Benzene                  | 6.044          | 78   | 78537               | 19.436  | ug/l  | 99       |

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 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0211WBS02

Manual Integrations  
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 Supervised By : Mahesh Dadoda 02/15/2022

Quant Time: Feb 12 04:40:15 2022  
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 Quant Title : SW846 8260  
 QLast Update : Tue Feb 08 07:07:46 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 17017    | 19.926  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.098  | 62   | 29412    | 20.656  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.348  | 43   | 47253    | 19.491  | ug/l   | 99       |
| 44) Trichloroethene           | 7.129  | 130  | 22357    | 18.427  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 20253    | 19.810  | ug/l   | 97       |
| 46) Dibromomethane            | 7.586  | 93   | 14106    | 19.940  | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.824  | 83   | 26754    | 19.748  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.696  | 41   | 23548    | 19.603  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 7.677  | 88   | 8587     | 414.834 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 154582   | 105.220 | ug/l   | 98       |
| 52) Toluene                   | 8.720  | 92   | 50282    | 19.654  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 25215    | 18.079  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 29221    | 19.533  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 20367    | 21.029  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 31096    | 20.254  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 34474    | 20.728  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 72478    | 91.976  | ug/l   | 98       |
| 59) 2-Hexanone                | 9.433  | 43   | 114503   | 106.556 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.525  | 129  | 20458    | 20.529  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 20909    | 20.433  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.275  | 164  | 23453    | 17.748  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.079 | 112  | 53250    | 19.570  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 19108    | 19.090  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 93968    | 19.512  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.305 | 106  | 71178    | 38.415  | ug/l   | 98       |
| 69) o-Xylene                  | 10.640 | 106  | 35154    | 19.363  | ug/l   | 96       |
| 70) Styrene                   | 10.659 | 104  | 57933    | 19.674  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 13231    | 18.293  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 91676    | 20.162  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 35800    | 19.705  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 25259    | 20.470  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 25854m   | 20.459  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 21378    | 19.779  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.305 | 91   | 102036   | 20.242  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 61733    | 19.821  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 75783    | 20.250  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 6445     | 18.258  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 70652    | 20.221  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 71659    | 20.091  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 74943    | 19.854  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 91906    | 20.328  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 75621    | 19.743  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 38484    | 19.431  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 38909    | 19.480  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.335 | 91   | 61518    | 19.630  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.542 | 117  | 11072    | 20.000  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 37489    | 19.618  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 5759     | 18.978  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 22791    | 18.898  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 9519     | 18.660  | ug/l   | 99       |
| 95) Naphthalene               | 13.780 | 128  | 81987    | 19.408  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 23199    | 18.997  | ug/l   | 99       |

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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

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