

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091422\  
 Data File : VX031340.D  
 Acq On : 15 Sep 2022 05:59  
 Operator : JC/MD  
 Sample : VX0914WBSD03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0914WBSD03

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 09/16/2022  
 Supervised By :Mahesh Dadoda 09/16/2022

Quant Time: Sep 15 08:29:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091422W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 15 01:50:07 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 31451               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 56405               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 59735               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 36627               | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 45196               | 58.546  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 117.100% |         |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 32185               | 53.083  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 106.160% |         |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 115871              | 50.947  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 101.900% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 40028               | 48.061  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 96.120%  |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.167          | 85   | 6735                | 19.833  | ug/l   | 98       |
| 3) Chloromethane             | 1.288          | 50   | 12671               | 26.476  | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.374          | 62   | 14006               | 25.488  | ug/l   | 98       |
| 5) Bromomethane              | 1.612          | 94   | 11643               | 28.253  | ug/l   | 99       |
| 6) Chloroethane              | 1.685          | 64   | 13188               | 30.249  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 25523               | 25.338  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.136          | 74   | 11811               | 26.651  | ug/l   | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 8549                | 17.947  | ug/l   | 100      |
| 10) Methyl Iodide            | 2.453          | 142  | 11686               | 23.483  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 3.008          | 59   | 19612               | 101.866 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 9513                | 21.664  | ug/l   | 86       |
| 13) Acrolein                 | 2.246          | 56   | 7362                | 82.641  | ug/l   | 96       |
| 14) Allyl chloride           | 2.666          | 41   | 20178               | 20.801  | ug/l   | 99       |
| 15) Acrylonitrile            | 3.069          | 53   | 39901               | 112.065 | ug/l   | 99       |
| 16) Acetone                  | 2.392          | 43   | 39080               | 118.582 | ug/l   | 98       |
| 17) Carbon Disulfide         | 2.508          | 76   | 24018               | 23.335  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.709          | 43   | 22693               | 23.221  | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 44056               | 21.666  | ug/l   | 98       |
| 20) Methylene Chloride       | 2.788          | 84   | 12929               | 23.763  | ug/l   | 91       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 11166               | 21.802  | ug/l   | 98       |
| 22) Diisopropyl ether        | 3.764          | 45   | 46649               | 22.981  | ug/l   | 95       |
| 23) Vinyl Acetate            | 3.727          | 43   | 201523              | 119.458 | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 23873               | 22.409  | ug/l   | 99       |
| 25) 2-Butanone               | 4.568          | 43   | 61304               | 112.775 | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 12600               | 12.466  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 13693               | 21.171  | ug/l   | 98       |
| 28) Bromochloromethane       | 4.898          | 49   | 11012               | 22.177  | ug/l   | 90       |
| 29) Tetrahydrofuran          | 5.013          | 42   | 39256               | 116.586 | ug/l   | 95       |
| 30) Chloroform               | 5.093          | 83   | 24751               | 21.940  | ug/l   | 95       |
| 31) Cyclohexane              | 5.471          | 56   | 14749               | 17.783  | ug/l   | 91       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 19651               | 19.441  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 15514               | 18.694  | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.721          | 43   | 23038               | 21.125  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 15886               | 17.610  | ug/l   | 93       |
| 39) Methylcyclohexane        | 7.385          | 83   | 14344               | 15.695  | ug/l   | 95       |
| 40) Benzene                  | 6.044          | 78   | 49661               | 20.839  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091422\  
 Data File : VX031340.D  
 Acq On : 15 Sep 2022 05:59  
 Operator : JC/MD  
 Sample : VX0914WBSD03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0914WBSD03

Quant Time: Sep 15 08:29:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091422W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 15 01:50:07 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 09/16/2022  
 Supervised By :Mahesh Dadoda 09/16/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 12214    | 20.674  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 20776    | 21.614  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 38322    | 20.586  | ug/l   | 97       |
| 44) Trichloroethene           | 7.129  | 130  | 11676    | 19.217  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 13681    | 20.970  | ug/l   | 97       |
| 46) Dibromomethane            | 7.580  | 93   | 9495     | 20.522  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.824  | 83   | 18730    | 19.463  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.696  | 41   | 17436    | 20.575  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.708  | 88   | 7480     | 440.137 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 124118   | 109.692 | ug/l   | 97       |
| 52) Toluene                   | 8.720  | 92   | 29261    | 19.411  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 19309    | 17.830  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 20642    | 18.548  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 13550    | 20.362  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 21613    | 20.063  | ug/l   | 90       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 23398    | 20.462  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.245  | 63   | 49463    | 98.546  | ug/l   | 96       |
| 59) 2-Hexanone                | 9.433  | 43   | 95703    | 110.818 | ug/l   | 96       |
| 60) Dibromochloromethane      | 9.525  | 129  | 13658    | 19.037  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 13783    | 20.185  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.275  | 164  | 9829     | 17.997  | ug/l   | 91       |
| 65) Chlorobenzene             | 10.080 | 112  | 30776    | 19.453  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 12280    | 19.700  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 53967    | 18.833  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 40137    | 36.888  | ug/l   | 93       |
| 69) o-Xylene                  | 10.640 | 106  | 20468    | 18.521  | ug/l   | 94       |
| 70) Styrene                   | 10.659 | 104  | 34402    | 19.143  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 8832     | 17.798  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.964 | 105  | 49200    | 18.186  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.842 | 43   | 31706    | 23.575  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83   | 22005    | 22.634  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 20387m   | 22.088  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 12431    | 20.153  | ug/l   | 89       |
| 78) n-propylbenzene           | 11.305 | 91   | 58180    | 18.325  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 36897    | 18.993  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 42413    | 18.713  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 5778     | 17.322  | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 42796    | 19.220  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 40935    | 18.052  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 42406    | 18.824  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 50651    | 17.838  | ug/l   | 95       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 40263    | 17.401  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 22773    | 19.364  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 22971    | 19.005  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.335 | 91   | 35833    | 17.464  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.536 | 117  | 7636     | 16.525  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 24149    | 20.169  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 4901     | 20.829  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 12768    | 19.693  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 4102     | 16.208  | ug/l   | 94       |
| 95) Naphthalene               | 13.774 | 128  | 56493    | 21.447  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 13557    | 19.526  | ug/l   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091422\  
 Data File : VX031340.D  
 Acq On : 15 Sep 2022 05:59  
 Operator : JC/MD  
 Sample : VX0914WBSD03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 44 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_X  
**ClientSampleId :**  
 VX0914WBSD03

**Manual Integrations**  
**APPROVED**

Reviewed By :Krupa Patel 09/16/2022  
 Supervised By :Mahesh Dadoda 09/16/2022

Quant Time: Sep 15 08:29:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091422W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 15 01:50:07 2022  
 Response via : Initial Calibration

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

-----

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

