

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072122\  
 Data File : VX030166.D  
 Acq On : 21 Jul 2022 16:51  
 Operator : JC/MD  
 Sample : VX0721WBSD03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0721WBSD03

Quant Time: Jul 22 04:58:31 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X071222W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 13 09:05:23 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/22/2022  
 Supervised By :Semsettin Yesilyurt 07/22/2022

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 209864              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 364035              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 331726              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 161788              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 147913              | 57.905  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 115.800% |         |        |          |
| 35) Dibromofluoromethane     | 5.391          | 113  | 121037              | 52.046  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 104.100% |         |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 459776              | 52.567  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 105.140% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.085         | 95   | 169953              | 55.993  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 111.980% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 47341               | 19.253  | ug/l   | 99       |
| 3) Chloromethane             | 1.288          | 50   | 43962               | 20.103  | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.368          | 62   | 43491               | 17.905  | ug/l   | 96       |
| 5) Bromomethane              | 1.593          | 94   | 18745               | 18.167  | ug/l   | 96       |
| 6) Chloroethane              | 1.679          | 64   | 25980               | 18.993  | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 1.880          | 101  | 61829               | 19.710  | ug/l   | 98       |
| 8) Diethyl Ether             | 2.136          | 74   | 23003               | 17.725  | ug/l   | 91       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 39338               | 18.369  | ug/l   | 97       |
| 10) Methyl Iodide            | 2.447          | 142  | 39766               | 20.410  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 2.971          | 59   | 70960               | 107.634 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.313          | 96   | 34882               | 16.314  | ug/l   | 85       |
| 13) Acrolein                 | 2.239          | 56   | 4725                | 35.986  | ug/l   | 91       |
| 14) Allyl chloride           | 2.660          | 41   | 86330               | 23.104  | ug/l   | 97       |
| 15) Acrylonitrile            | 3.069          | 53   | 175972              | 117.446 | ug/l   | 98       |
| 16) Acetone                  | 2.386          | 43   | 151756              | 126.079 | ug/l   | 95       |
| 17) Carbon Disulfide         | 2.508          | 76   | 106479              | 17.552  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.709          | 43   | 88541               | 24.180  | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 151364              | 22.395  | ug/l   | 98       |
| 20) Methylene Chloride       | 2.788          | 84   | 56107               | 21.999  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 46794               | 20.996  | ug/l   | 93       |
| 22) Diisopropyl ether        | 3.770          | 45   | 172348              | 23.564  | ug/l   | 88       |
| 23) Vinyl Acetate            | 3.727          | 43   | 750639              | 121.233 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 89921               | 22.187  | ug/l   | 99       |
| 25) 2-Butanone               | 4.562          | 43   | 254031              | 123.896 | ug/l   | 94       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 65660               | 23.063  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 56626               | 20.748  | ug/l   | 96       |
| 28) Bromochloromethane       | 4.904          | 49   | 40615               | 23.820  | ug/l   | 98       |
| 29) Tetrahydrofuran          | 5.013          | 42   | 170285              | 122.377 | ug/l   | 95       |
| 30) Chloroform               | 5.099          | 83   | 92359               | 22.867  | ug/l   | 93       |
| 31) Cyclohexane              | 5.471          | 56   | 80483               | 21.734  | ug/l   | 92       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 72214               | 21.875  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 64531               | 21.482  | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.727          | 43   | 91463               | 23.695  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 60602               | 21.634  | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.385          | 83   | 80851               | 21.232  | ug/l   | 93       |
| 40) Benzene                  | 6.044          | 78   | 203066              | 21.478  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072122\  
 Data File : VX030166.D  
 Acq On : 21 Jul 2022 16:51  
 Operator : JC/MD  
 Sample : VX0721WBSD03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0721WBSD03

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 07/22/2022  
 Supervised By :Semsettin Yesilyurt 07/22/2022

Quant Time: Jul 22 04:58:31 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X071222W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 13 09:05:23 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 50572    | 24.333  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 71562    | 24.422  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.348  | 43   | 135569   | 23.357  | ug/l   | 97       |
| 44) Trichloroethene           | 7.129  | 130  | 53786    | 19.468  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 54542    | 22.194  | ug/l   | 99       |
| 46) Dibromomethane            | 7.586  | 93   | 36990    | 21.869  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.824  | 83   | 68420    | 22.292  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.696  | 41   | 67992    | 25.388  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 32773    | 471.008 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43   | 477161   | 124.231 | ug/l   | 97       |
| 52) Toluene                   | 8.720  | 92   | 129187   | 21.517  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 69366    | 21.758  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.372  | 75   | 77969    | 21.348  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 54903    | 22.175  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 85118    | 22.866  | ug/l   | 92       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 88321    | 22.456  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 208766   | 103.282 | ug/l   | 97       |
| 59) 2-Hexanone                | 9.433  | 43   | 381039   | 129.366 | ug/l   | 96       |
| 60) Dibromochloromethane      | 9.525  | 129  | 50786    | 21.055  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 55926    | 21.704  | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.275  | 164  | 52950    | 19.884  | ug/l   | 99       |
| 65) Chlorobenzene             | 10.086 | 112  | 134254   | 20.324  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 46731    | 20.751  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 242446   | 21.656  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.305 | 106  | 187418   | 42.682  | ug/l   | 96       |
| 69) o-Xylene                  | 10.646 | 106  | 92230    | 20.977  | ug/l   | 95       |
| 70) Styrene                   | 10.659 | 104  | 154304   | 21.145  | ug/l   | 97       |
| 71) Bromoform                 | 10.805 | 173  | 34332    | 18.976  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 238807   | 21.199  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.848 | 43   | 111141   | 22.463  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 85845    | 21.122  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 81756m   | 21.978  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 54514    | 19.341  | ug/l   | 95       |
| 78) n-propylbenzene           | 11.305 | 91   | 287663   | 21.524  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 171744   | 21.455  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.457 | 105  | 203899   | 21.480  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.024 | 75   | 25314    | 19.639  | ug/l   | 88       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 194408   | 21.676  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 188115   | 20.665  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 201357   | 21.446  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.896 | 105  | 261469   | 21.727  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 209072   | 21.655  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 106319   | 20.415  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 109268   | 20.445  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.335 | 91   | 193843   | 22.409  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.542 | 117  | 34007    | 20.605  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 107378   | 20.295  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 19817    | 21.354  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 63977    | 19.686  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 26225    | 20.213  | ug/l   | 97       |
| 95) Naphthalene               | 13.780 | 128  | 252744   | 19.593  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 66116    | 19.995  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072122\  
Data File : VX030166.D  
Acq On : 21 Jul 2022 16:51  
Operator : JC/MD  
Sample : VX0721WBSD03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0721WBSD03

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/22/2022  
Supervised By :Semsettin Yesilyurt 07/22/2022

Quant Time: Jul 22 04:58:31 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X071222W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jul 13 09:05:23 2022  
Response via : Initial Calibration

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

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

