

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072522\  
 Data File : VX030201.D  
 Acq On : 25 Jul 2022 19:36  
 Operator : JC/MD  
 Sample : VX0725WBSD02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0725WBSD02

Quant Time: Jul 26 01:38:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072522W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 25 16:49:17 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/26/2022  
 Supervised By : Mahesh Dadoda 07/26/2022

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 138242              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769          | 114  | 242898              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 257333              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 157195              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964          | 65   | 145480              | 52.358  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 104.720% |         |        |          |
| 35) Dibromofluoromethane     | 5.391          | 113  | 117426              | 50.571  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 101.140% |         |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 461578              | 51.331  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 102.660% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.085         | 95   | 169899              | 50.910  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 101.820% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.167          | 85   | 42333               | 18.662  | ug/l   | 98       |
| 3) Chloromethane             | 1.288          | 50   | 46526               | 20.741  | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.374          | 62   | 45944               | 20.293  | ug/l   | 95       |
| 5) Bromomethane              | 1.593          | 94   | 18405               | 19.686  | ug/l   | 99       |
| 6) Chloroethane              | 1.673          | 64   | 27721               | 21.324  | ug/l   | 93       |
| 7) Trichlorofluoromethane    | 1.880          | 101  | 64257               | 21.542  | ug/l   | 93       |
| 8) Diethyl Ether             | 2.136          | 74   | 25453               | 21.791  | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 46644               | 21.112  | ug/l   | 98       |
| 10) Methyl Iodide            | 2.447          | 142  | 42805               | 20.799  | ug/l   | 97       |
| 11) Tert butyl alcohol       | 2.983          | 59   | 83591               | 123.332 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.313          | 96   | 45477               | 21.058  | ug/l   | 95       |
| 13) Acrolein                 | 2.239          | 56   | 13892               | 83.391  | ug/l   | 97       |
| 14) Allyl chloride           | 2.660          | 41   | 91068               | 20.436  | ug/l   | 97       |
| 15) Acrylonitrile            | 3.069          | 53   | 189812              | 113.326 | ug/l   | 99       |
| 16) Acetone                  | 2.386          | 43   | 158746              | 111.592 | ug/l   | 94       |
| 17) Carbon Disulfide         | 2.508          | 76   | 118278              | 20.290  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.709          | 43   | 93799               | 22.292  | ug/l   | 96       |
| 19) Methyl tert-butyl Ether  | 3.123          | 73   | 163483              | 22.100  | ug/l   | 96       |
| 20) Methylene Chloride       | 2.788          | 84   | 58214               | 22.479  | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 50949               | 21.374  | ug/l   | 96       |
| 22) Diisopropyl ether        | 3.770          | 45   | 185819              | 22.038  | ug/l   | 89       |
| 23) Vinyl Acetate            | 3.727          | 43   | 813379              | 111.209 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 95961               | 21.418  | ug/l   | 98       |
| 25) 2-Butanone               | 4.568          | 43   | 268684              | 112.396 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.483          | 77   | 65371               | 20.178  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.495          | 96   | 60124               | 21.450  | ug/l   | 94       |
| 28) Bromochloromethane       | 4.904          | 49   | 34932               | 18.455  | ug/l   | 93       |
| 29) Tetrahydrofuran          | 5.013          | 42   | 180837              | 112.431 | ug/l   | 95       |
| 30) Chloroform               | 5.105          | 83   | 95670               | 21.566  | ug/l   | 98       |
| 31) Cyclohexane              | 5.477          | 56   | 86713               | 21.494  | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.391          | 97   | 77249               | 21.423  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 69854               | 20.904  | ug/l   | 96       |
| 37) Ethyl Acetate            | 4.721          | 43   | 99263               | 20.977  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.684          | 117  | 65497               | 20.996  | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.385          | 83   | 87300               | 20.240  | ug/l   | 94       |
| 40) Benzene                  | 6.038          | 78   | 219167              | 20.846  | ug/l   | 97       |

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 Sample : VX0725WBSD02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0725WBSD02

Quant Time: Jul 26 01:38:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072522W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 25 16:49:17 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/26/2022  
 Supervised By : Mahesh Dadoda 07/26/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 53159    | 20.957  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 75151    | 20.686  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.348  | 43   | 148148   | 21.356  | ug/l   | 98       |
| 44) Trichloroethene           | 7.135  | 130  | 59259    | 20.628  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 59044    | 21.056  | ug/l   | 96       |
| 46) Dibromomethane            | 7.586  | 93   | 39625    | 20.779  | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.824  | 83   | 71676    | 20.676  | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.696  | 41   | 74086    | 21.698  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 34731    | 440.406 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43   | 527637   | 112.038 | ug/l   | 97       |
| 52) Toluene                   | 8.720  | 92   | 138632   | 21.612  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 75774    | 20.277  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.373  | 75   | 86073    | 21.137  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 57986    | 21.232  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 97495    | 22.582  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 94038    | 20.860  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.245  | 63   | 226928   | 105.907 | ug/l   | 97       |
| 59) 2-Hexanone                | 9.433  | 43   | 415318   | 111.781 | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.525  | 129  | 52057    | 20.591  | ug/l   | 95       |
| 61) 1,2-Dibromoethane         | 9.616  | 107  | 60262    | 21.132  | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.275  | 164  | 55902    | 20.178  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.080 | 112  | 142868   | 20.438  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 50501    | 21.252  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 263184   | 24.492  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.305 | 106  | 200832   | 42.411  | ug/l   | 94       |
| 69) o-Xylene                  | 10.647 | 106  | 98026    | 21.003  | ug/l   | 93       |
| 70) Styrene                   | 10.659 | 104  | 166601   | 21.727  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 37535    | 21.486  | ug/l # | 97       |
| 73) Isopropylbenzene          | 10.964 | 105  | 255530   | 20.823  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.848 | 43   | 127182   | 21.324  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 95837    | 21.337  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 87074m   | 21.014  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 58795    | 20.413  | ug/l   | 92       |
| 78) n-propylbenzene           | 11.305 | 91   | 305940   | 20.888  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 187081   | 20.227  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.457 | 105  | 216125   | 21.033  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.024 | 75   | 28133    | 20.368  | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 209553   | 20.736  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 200412   | 21.042  | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 221024   | 21.560  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 277064   | 21.254  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 224328   | 21.509  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 115816   | 20.675  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 117156   | 20.545  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.335 | 91   | 217200   | 22.369  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.543 | 117  | 36569    | 20.365  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 115604   | 21.026  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 23378    | 21.701  | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 67292    | 21.105  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 25720    | 20.089  | ug/l   | 98       |
| 95) Naphthalene               | 13.780 | 128  | 278366   | 22.350  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 69152    | 21.147  | ug/l   | 100      |

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Sample : VX0725WBSD02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0725WBSD02

Manual Integrations  
APPROVED

Reviewed By :John Carlone 07/26/2022  
Supervised By :Mahesh Dadoda 07/26/2022

Quant Time: Jul 26 01:38:33 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072522W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 25 16:49:17 2022  
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

