

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072722\  
 Data File : VX030248.D  
 Acq On : 27 Jul 2022 22:30  
 Operator : JC/MD  
 Sample : VX0727WBSD02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0727WBSD02

Quant Time: Jul 28 05:55:02 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 07/28/2022  
 Supervised By : Mahesh Dadoda 07/28/2022

| Compound                     | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| -----                        |        |       |          |          |       |          |
| Internal Standards           |        |       |          |          |       |          |
| 1) Pentafluorobenzene        | 5.562  | 168   | 121428   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769  | 114   | 211198   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 219765   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 133303   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds  |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.964  | 65    | 135983   | 55.716   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =     | 111.440% |
| 35) Dibromofluoromethane     | 5.391  | 113   | 109349   | 54.161   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =     | 108.320% |
| 50) Toluene-d8               | 8.653  | 98    | 409739   | 52.405   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =     | 104.820% |
| 62) 4-Bromofluorobenzene     | 11.085 | 95    | 148831   | 51.291   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =     | 102.580% |
| Target Compounds             |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166  | 85    | 39528    | 19.838   | ug/l  | 98       |
| 3) Chloromethane             | 1.288  | 50    | 40552    | 20.581   | ug/l  | 98       |
| 4) Vinyl Chloride            | 1.374  | 62    | 44382    | 22.317   | ug/l  | 96       |
| 5) Bromomethane              | 1.599  | 94    | 16931    | 20.925   | ug/l  | 97       |
| 6) Chloroethane              | 1.679  | 64    | 25918    | 22.698   | ug/l  | 96       |
| 7) Trichlorofluoromethane    | 1.880  | 101   | 61293    | 23.393   | ug/l  | 98       |
| 8) Diethyl Ether             | 2.136  | 74    | 23513    | 22.917   | ug/l  | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325  | 101   | 44159    | 22.755   | ug/l  | 98       |
| 10) Methyl Iodide            | 2.453  | 142   | 45003    | 24.594   | ug/l  | 94       |
| 11) Tert butyl alcohol       | 2.989  | 59    | 87729    | 147.360  | ug/l  | 98       |
| 12) 1,1-Dichloroethene       | 2.319  | 96    | 44594    | 23.509   | ug/l  | 94       |
| 13) Acrolein                 | 2.239  | 56    | 17291    | 118.167  | ug/l  | 97       |
| 14) Allyl chloride           | 2.660  | 41    | 90014    | 22.996   | ug/l  | 96       |
| 15) Acrylonitrile            | 3.069  | 53    | 177304   | 120.516  | ug/l  | 99       |
| 16) Acetone                  | 2.386  | 43    | 155956   | 124.811  | ug/l  | 95       |
| 17) Carbon Disulfide         | 2.508  | 76    | 108369   | 21.164   | ug/l  | 100      |
| 18) Methyl Acetate           | 2.709  | 43    | 95579    | 25.861   | ug/l  | 94       |
| 19) Methyl tert-butyl Ether  | 3.117  | 73    | 155137   | 23.876   | ug/l  | 98       |
| 20) Methylene Chloride       | 2.788  | 84    | 54447    | 24.108   | ug/l  | 93       |
| 21) trans-1,2-Dichloroethene | 3.093  | 96    | 48807    | 23.311   | ug/l  | 94       |
| 22) Diisopropyl ether        | 3.764  | 45    | 182931   | 24.700   | ug/l  | # 94     |
| 23) Vinyl Acetate            | 3.727  | 43    | 775558   | 120.720  | ug/l  | 97       |
| 24) 1,1-Dichloroethane       | 3.611  | 63    | 94557    | 24.027   | ug/l  | 98       |
| 25) 2-Butanone               | 4.568  | 43    | 256254   | 122.040  | ug/l  | 96       |
| 26) 2,2-Dichloropropane      | 4.477  | 77    | 48889    | 17.180   | ug/l  | 97       |
| 27) cis-1,2-Dichloroethene   | 4.495  | 96    | 56998    | 23.150   | ug/l  | 95       |
| 28) Bromochloromethane       | 4.904  | 49    | 38642    | 23.242   | ug/l  | 94       |
| 29) Tetrahydrofuran          | 5.019  | 42    | 169028   | 119.641  | ug/l  | 94       |
| 30) Chloroform               | 5.099  | 83    | 93871    | 24.091   | ug/l  | 93       |
| 31) Cyclohexane              | 5.471  | 56    | 83533    | 23.573   | ug/l  | 94       |
| 32) 1,1,1-Trichloroethane    | 5.385  | 97    | 75168    | 23.733   | ug/l  | 98       |
| 36) 1,1-Dichloropropene      | 5.702  | 75    | 67443    | 23.212   | ug/l  | 95       |
| 37) Ethyl Acetate            | 4.721  | 43    | 96729    | 23.509   | ug/l  | 98       |
| 38) Carbon Tetrachloride     | 5.684  | 117   | 61389    | 22.632   | ug/l  | 89       |
| 39) Methylcyclohexane        | 7.379  | 83    | 81804    | 21.812   | ug/l  | 96       |
| 40) Benzene                  | 6.044  | 78    | 210875   | 23.068   | ug/l  | 96       |

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 Sample : VX0727WBSD02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0727WBSD02

Manual Integrations  
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Reviewed By : John Carlone 07/28/2022  
 Supervised By : Mahesh Dadoda 07/28/2022

Quant Time: Jul 28 05:55:02 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) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 51312    | 23.265  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 72731    | 23.025  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 142947   | 23.700  | ug/l   | 97       |
| 44) Trichloroethene           | 7.135  | 130  | 54572    | 21.847  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 56057    | 22.991  | ug/l   | 99       |
| 46) Dibromomethane            | 7.586  | 93   | 37267    | 22.476  | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.824  | 83   | 68838    | 22.838  | ug/l   | 94       |
| 48) Methyl methacrylate       | 7.696  | 41   | 70648    | 23.797  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 7.671  | 88   | 30885    | 450.420 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43   | 484582   | 118.340 | ug/l   | 97       |
| 52) Toluene                   | 8.720  | 92   | 127448   | 22.851  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 68898    | 21.205  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 8.372  | 75   | 78923    | 22.290  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 53240    | 22.420  | ug/l   | 93       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 85941    | 22.893  | ug/l   | 93       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 90955    | 23.204  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 214991   | 115.396 | ug/l   | 96       |
| 59) 2-Hexanone                | 9.433  | 43   | 383712   | 118.775 | ug/l   | 96       |
| 60) Dibromochloromethane      | 9.525  | 129  | 48966    | 22.275  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 55435    | 22.357  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.275  | 164  | 54183    | 22.901  | ug/l   | 92       |
| 65) Chlorobenzene             | 10.079 | 112  | 133889   | 22.428  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 46600    | 22.963  | ug/l   | 100      |
| 67) Ethyl Benzene             | 10.195 | 91   | 244654   | 26.316  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.305 | 106  | 186465   | 46.108  | ug/l   | 95       |
| 69) o-Xylene                  | 10.646 | 106  | 91974    | 23.075  | ug/l   | 94       |
| 70) Styrene                   | 10.659 | 104  | 154037   | 23.523  | ug/l   | 97       |
| 71) Bromoform                 | 10.805 | 173  | 32359    | 21.689  | ug/l # | 97       |
| 73) Isopropylbenzene          | 10.963 | 105  | 239677   | 23.031  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.848 | 43   | 115519   | 22.840  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 84685    | 22.233  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 79645m   | 22.666  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 53931    | 22.080  | ug/l   | 92       |
| 78) n-propylbenzene           | 11.305 | 91   | 283980   | 22.864  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 170682   | 21.761  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 199052   | 22.843  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.024 | 75   | 22551    | 19.253  | ug/l   | 88       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 192843   | 22.503  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 184228   | 22.810  | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 198323   | 22.813  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 249038   | 22.528  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 201260   | 22.756  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 104288   | 21.954  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 104383   | 21.586  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.335 | 91   | 184557   | 22.414  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.542 | 117  | 31496    | 20.683  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 105122   | 22.546  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 19872    | 21.752  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 61554    | 22.765  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 22970    | 21.157  | ug/l   | 97       |
| 95) Naphthalene               | 13.780 | 128  | 256535   | 24.289  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 63250    | 22.809  | ug/l   | 96       |

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Sample : VX0727WBSD02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0727WBSD02

Manual Integrations  
APPROVED

Reviewed By :John Carlone 07/28/2022  
Supervised By :Mahesh Dadoda 07/28/2022

Quant Time: Jul 28 05:55:02 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) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

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