

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120621\  
 Data File : VX025540.D  
 Acq On : 06 Dec 2021 11:43  
 Operator : JC/MD  
 Sample : VX1206WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1206WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 12/07/2021  
 Supervised By : Mahesh Dadoda 12/14/2021

Quant Time: Dec 07 05:56:22 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 17 15:36:16 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 80681               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 125818              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 114893              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 57788               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 47326               | 55.649  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 111.300% |         |        |          |
| 35) Dibromofluoromethane     | 5.391          | 113  | 40893               | 52.972  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 105.940% |         |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 149765              | 51.598  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 103.200% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.085         | 95   | 56471               | 51.428  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 102.860% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 14021               | 20.048  | ug/l   | 97       |
| 3) Chloromethane             | 1.294          | 50   | 14426               | 16.659  | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.374          | 62   | 16181               | 17.019  | ug/l   | 100      |
| 5) Bromomethane              | 1.599          | 94   | 10514               | 25.722  | ug/l   | 100      |
| 6) Chloroethane              | 1.685          | 64   | 10670               | 16.265  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 26545               | 18.811  | ug/l   | 96       |
| 8) Diethyl Ether             | 2.136          | 74   | 10380               | 17.824  | ug/l   | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 15613               | 20.794  | ug/l   | 98       |
| 10) Methyl Iodide            | 2.453          | 142  | 13418               | 14.292  | ug/l   | 94       |
| 11) Tert butyl alcohol       | 2.965          | 59   | 17501               | 77.006  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 14016               | 18.743  | ug/l   | 90       |
| 13) Acrolein                 | 2.233          | 56   | 3963                | 101.719 | ug/l   | 99       |
| 14) Allyl chloride           | 2.666          | 41   | 24069               | 17.785  | ug/l   | 96       |
| 15) Acrylonitrile            | 3.062          | 53   | 43390               | 95.078  | ug/l   | 99       |
| 16) Acetone                  | 2.380          | 43   | 48367               | 102.353 | ug/l   | 95       |
| 17) Carbon Disulfide         | 2.514          | 76   | 30607               | 14.550  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.703          | 43   | 28260               | 18.717  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 50997               | 19.573  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 16710               | 18.811  | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 15376               | 18.770  | ug/l   | 86       |
| 22) Diisopropyl ether        | 3.763          | 45   | 49332               | 19.141  | ug/l   | 99       |
| 23) Vinyl Acetate            | 3.721          | 43   | 193478              | 93.456  | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 27482               | 19.515  | ug/l   | 97       |
| 25) 2-Butanone               | 4.556          | 43   | 64620               | 94.583  | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 22780               | 17.842  | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 18568               | 19.409  | ug/l   | 92       |
| 28) Bromochloromethane       | 4.897          | 49   | 13911               | 21.184  | ug/l   | 91       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 38844               | 91.824  | ug/l   | 98       |
| 30) Chloroform               | 5.099          | 83   | 29994               | 20.466  | ug/l   | 98       |
| 31) Cyclohexane              | 5.470          | 56   | 24010               | 18.270  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 26375               | 19.657  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 20798               | 18.947  | ug/l   | 97       |
| 37) Ethyl Acetate            | 4.714          | 43   | 23776               | 19.037  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.684          | 117  | 23303               | 19.274  | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.385          | 83   | 25582               | 18.169  | ug/l   | 93       |
| 40) Benzene                  | 6.037          | 78   | 63529               | 19.105  | ug/l   | 98       |

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 Sample : VX1206WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1206WBS01

Manual Integrations  
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Quant Time: Dec 07 05:56:22 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 17 15:36:16 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 12698    | 18.318  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 22859    | 21.127  | ug/l   | 94       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 38005    | 18.285  | ug/l   | 99       |
| 44) Trichloroethene           | 7.129  | 130  | 18395    | 19.043  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 16055    | 19.658  | ug/l   | 94       |
| 46) Dibromomethane            | 7.580  | 93   | 11729    | 19.783  | ug/l   | 94       |
| 47) Bromodichloromethane      | 7.824  | 83   | 21687    | 18.613  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.696  | 41   | 17572    | 18.014  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 7616     | 369.715 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 122677   | 94.127  | ug/l   | 99       |
| 52) Toluene                   | 8.720  | 92   | 41874    | 19.288  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 22580    | 17.427  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 25160    | 17.914  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 17651    | 20.456  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 25649    | 18.318  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 28197    | 19.716  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 61454    | 94.332  | ug/l   | 95       |
| 59) 2-Hexanone                | 9.433  | 43   | 94961    | 92.419  | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.525  | 129  | 17749    | 17.872  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 18027    | 19.290  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.275  | 164  | 18639    | 19.674  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.079 | 112  | 47549    | 20.309  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 16915    | 18.839  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 79566    | 19.665  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.305 | 106  | 64263    | 38.885  | ug/l   | 94       |
| 69) o-Xylene                  | 10.646 | 106  | 31727    | 19.615  | ug/l   | 92       |
| 70) Styrene                   | 10.659 | 104  | 51989    | 19.456  | ug/l   | 96       |
| 71) Bromoform                 | 10.799 | 173  | 13091    | 16.794  | ug/l # | 97       |
| 73) Isopropylbenzene          | 10.963 | 105  | 82078    | 19.929  | ug/l   | 97       |
| 74) N-amyl acetate            | 10.848 | 43   | 31100    | 17.458  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 26778    | 20.101  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 23344m   | 19.727  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 20876    | 19.710  | ug/l   | 95       |
| 78) n-propylbenzene           | 11.305 | 91   | 92944    | 20.105  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 55396    | 19.683  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 67898    | 19.613  | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 6649     | 14.154  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 64232    | 19.993  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 68752    | 19.542  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 68076    | 19.896  | ug/l   | 95       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 85972    | 20.100  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 72206    | 19.648  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 39253    | 19.909  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 39409    | 19.726  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.335 | 91   | 59160    | 19.099  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.542 | 117  | 10951    | 16.170  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 38741    | 20.162  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 5029     | 18.073  | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 23015    | 20.350  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 10387    | 19.128  | ug/l   | 97       |
| 95) Naphthalene               | 13.780 | 128  | 72659    | 18.397  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 23096    | 20.876  | ug/l   | 98       |

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| 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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