

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101222\  
 Data File : VX032076.D  
 Acq On : 12 Oct 2022 11:55  
 Operator : JC/MD  
 Sample : VX1012WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1012WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/13/2022  
 Supervised By : Mahesh Dadoda 10/13/2022

Quant Time: Oct 13 09:11:01 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 06 14:28:46 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 76191               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 114876              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 127575              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 88973               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 89748               | 57.037  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 114.080% |         |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 68726               | 52.853  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 105.700% |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 247911              | 52.983  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 105.960% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 93927               | 56.782  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 113.560% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.167          | 85   | 21844               | 19.265  | ug/l   | 99       |
| 3) Chloromethane             | 1.288          | 50   | 20471               | 17.240  | ug/l   | 94       |
| 4) Vinyl Chloride            | 1.368          | 62   | 24160               | 17.411  | ug/l   | 99       |
| 5) Bromomethane              | 1.612          | 94   | 17820               | 17.489  | ug/l   | 94       |
| 6) Chloroethane              | 1.685          | 64   | 20455               | 17.323  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 47299               | 18.963  | ug/l   | 95       |
| 8) Diethyl Ether             | 2.130          | 74   | 15485               | 18.213  | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 22714               | 18.016  | ug/l   | 92       |
| 10) Methyl Iodide            | 2.453          | 142  | 19666               | 17.241  | ug/l   | 97       |
| 11) Tert butyl alcohol       | 2.995          | 59   | 17870               | 91.280  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 20414               | 17.590  | ug/l   | 95       |
| 13) Acrolein                 | 2.233          | 56   | 8027                | 59.213  | ug/l   | 96       |
| 14) Allyl chloride           | 2.660          | 41   | 32493               | 19.677  | ug/l   | 96       |
| 15) Acrylonitrile            | 3.063          | 53   | 59020               | 94.570  | ug/l   | 98       |
| 16) Acetone                  | 2.386          | 43   | 52760               | 98.658  | ug/l   | 97       |
| 17) Carbon Disulfide         | 2.508          | 76   | 40650               | 16.311  | ug/l   | 96       |
| 18) Methyl Acetate           | 2.703          | 43   | 35990               | 20.397  | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 75388               | 19.358  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 25114               | 17.871  | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 21732               | 16.909  | ug/l   | 98       |
| 22) Diisopropyl ether        | 3.758          | 45   | 76724               | 20.668  | ug/l   | 93       |
| 23) Vinyl Acetate            | 3.721          | 43   | 295031              | 106.323 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 43002               | 19.324  | ug/l   | 98       |
| 25) 2-Butanone               | 4.556          | 43   | 83568               | 99.965  | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 32814               | 20.530  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 28295               | 18.400  | ug/l   | 92       |
| 28) Bromochloromethane       | 4.904          | 49   | 21868               | 22.959  | ug/l   | 94       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 51728               | 95.901  | ug/l   | 98       |
| 30) Chloroform               | 5.087          | 83   | 49208               | 19.852  | ug/l   | 92       |
| 31) Cyclohexane              | 5.471          | 56   | 35670               | 18.976  | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 41814               | 19.851  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 34162               | 19.812  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.709          | 43   | 32209               | 19.841  | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 35201               | 19.966  | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.379          | 83   | 40151               | 19.522  | ug/l   | 97       |
| 40) Benzene                  | 6.031          | 78   | 98246               | 19.458  | ug/l   | 99       |

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 Sample : VX1012WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1012WBS01

Manual Integrations  
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Reviewed By : John Carlone 10/13/2022  
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Quant Time: Oct 13 09:11:01 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 06 14:28:46 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 18223    | 21.587  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 40556    | 22.042  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.336  | 43   | 53293    | 21.637  | ug/l   | 98       |
| 44) Trichloroethene           | 7.129  | 130  | 26948    | 18.202  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 25815    | 20.804  | ug/l   | 97       |
| 46) Dibromomethane            | 7.580  | 93   | 18973    | 19.730  | ug/l   | 93       |
| 47) Bromodichloromethane      | 7.824  | 83   | 35803    | 21.552  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 26576    | 22.581  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.696  | 88   | 10432    | 346.664 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 173713   | 106.429 | ug/l   | 100      |
| 52) Toluene                   | 8.720  | 92   | 64351    | 19.493  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 33892    | 19.702  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 37890    | 21.061  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 26332    | 18.898  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 37286    | 20.876  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 45112    | 20.148  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 89245    | 96.799  | ug/l   | 96       |
| 59) 2-Hexanone                | 9.433  | 43   | 129589   | 107.678 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 25997    | 20.387  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 27822    | 19.856  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 27321    | 18.969  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.080 | 112  | 69916    | 18.087  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 25084    | 18.754  | ug/l   | 97       |
| 67) Ethyl Benzene             | 10.195 | 91   | 126422   | 19.332  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 97438    | 37.495  | ug/l   | 98       |
| 69) o-Xylene                  | 10.640 | 106  | 47970    | 18.992  | ug/l   | 99       |
| 70) Styrene                   | 10.653 | 104  | 78926    | 19.546  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 16568    | 18.921  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.964 | 105  | 128488   | 19.147  | ug/l   | 97       |
| 74) N-amyl acetate            | 10.842 | 43   | 45071    | 21.994  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 39092    | 18.335  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 35941m   | 19.710  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 30184    | 18.260  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 150097   | 19.665  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 89102    | 19.399  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 110556   | 19.864  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 8343     | 18.663  | ug/l # | 71       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 104789   | 19.920  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 104322   | 18.939  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 110404   | 19.527  | ug/l   | 95       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 139426   | 20.445  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 115393   | 20.097  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 57283    | 18.200  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 59307    | 18.307  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.335 | 91   | 101970   | 21.207  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.543 | 117  | 16296    | 18.689  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 58105    | 18.569  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 8290     | 21.241  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 37105    | 19.537  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 15984    | 20.808  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 123538   | 18.982  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 36303    | 18.844  | ug/l   | 100      |

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 Sample : VX1012WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VX1012WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/13/2022  
 Supervised By : Mahesh Dadoda 10/13/2022

Quant Time: Oct 13 09:11:01 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 06 14:28:46 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

