

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101322\  
 Data File : VX032102.D  
 Acq On : 13 Oct 2022 11:37  
 Operator : JC/MD  
 Sample : VX1013WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1013WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/14/2022  
 Supervised By : Mahesh Dadoda 10/14/2022

Quant Time: Oct 14 07:49:42 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        | 5.556          | 168  | 83374               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 130038              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 141021              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 96458               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 99119               | 57.565  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 115.140% |         |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 76800               | 52.175  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 104.360% |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 269489              | 50.880  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 101.760% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 105652              | 56.423  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 112.840% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 24247               | 19.542  | ug/l   | 99       |
| 3) Chloromethane             | 1.288          | 50   | 22071               | 16.987  | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.374          | 62   | 25136               | 16.554  | ug/l   | 95       |
| 5) Bromomethane              | 1.611          | 94   | 20070               | 18.113  | ug/l   | 98       |
| 6) Chloroethane              | 1.685          | 64   | 15443               | 11.951  | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 42131               | 15.436  | ug/l   | 98       |
| 8) Diethyl Ether             | 2.136          | 74   | 14921               | 16.038  | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 26449               | 19.172  | ug/l   | 92       |
| 10) Methyl Iodide            | 2.453          | 142  | 22075               | 17.614  | ug/l   | 95       |
| 11) Tert butyl alcohol       | 2.977          | 59   | 23070               | 107.689 | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 23269               | 18.323  | ug/l   | 95       |
| 13) Acrolein                 | 2.239          | 56   | 11893               | 86.062  | ug/l   | 100      |
| 14) Allyl chloride           | 2.666          | 41   | 37581               | 20.797  | ug/l   | 96       |
| 15) Acrylonitrile            | 3.068          | 53   | 68575               | 100.414 | ug/l   | 99       |
| 16) Acetone                  | 2.386          | 43   | 62825               | 107.358 | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.514          | 76   | 43611               | 15.992  | ug/l   | 98       |
| 18) Methyl Acetate           | 2.703          | 43   | 41186               | 21.331  | ug/l   | 95       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 88374               | 20.737  | ug/l   | 100      |
| 20) Methylene Chloride       | 2.788          | 84   | 28265               | 18.380  | ug/l   | 89       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 25282               | 17.977  | ug/l   | 99       |
| 22) Diisopropyl ether        | 3.757          | 45   | 86808               | 21.369  | ug/l # | 87       |
| 23) Vinyl Acetate            | 3.721          | 43   | 337002              | 110.985 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 48937               | 20.097  | ug/l   | 99       |
| 25) 2-Butanone               | 4.562          | 43   | 96686               | 105.692 | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 38369               | 21.937  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 31336               | 18.622  | ug/l   | 96       |
| 28) Bromochloromethane       | 4.897          | 49   | 25041               | 24.025  | ug/l   | 96       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 60081               | 101.791 | ug/l   | 98       |
| 30) Chloroform               | 5.092          | 83   | 56049               | 20.664  | ug/l   | 94       |
| 31) Cyclohexane              | 5.470          | 56   | 38913               | 18.918  | ug/l   | 92       |
| 32) 1,1,1-Trichloroethane    | 5.391          | 97   | 48191               | 20.908  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 37646               | 19.287  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.714          | 43   | 38077               | 20.721  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 41521               | 20.804  | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.379          | 83   | 43373               | 18.629  | ug/l   | 96       |
| 40) Benzene                  | 6.037          | 78   | 108553              | 18.992  | ug/l   | 97       |

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 Operator : JC/MD  
 Sample : VX1013WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1013WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/14/2022  
 Supervised By : Mahesh Dadoda 10/14/2022

Quant Time: Oct 14 07:49:42 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   | 20746    | 21.710  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 46487    | 22.320  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 60837    | 21.820  | ug/l   | 99       |
| 44) Trichloroethene           | 7.129  | 130  | 29779    | 17.769  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 27529    | 19.599  | ug/l   | 94       |
| 46) Dibromomethane            | 7.580  | 93   | 21653    | 19.891  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.824  | 83   | 40209    | 21.382  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.696  | 41   | 30524    | 22.911  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.683  | 88   | 11797    | 346.241 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 201194   | 108.893 | ug/l   | 100      |
| 52) Toluene                   | 8.720  | 92   | 70493    | 18.863  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 38739    | 19.882  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 42576    | 20.906  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 30060    | 19.058  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 42108    | 20.827  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 50212    | 19.811  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 97698    | 93.612  | ug/l   | 96       |
| 59) 2-Hexanone                | 9.433  | 43   | 148782   | 109.212 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.525  | 129  | 29465    | 20.413  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 31239    | 19.695  | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.275  | 164  | 28759    | 18.064  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.079 | 112  | 76419    | 17.884  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 28559    | 19.316  | ug/l   | 97       |
| 67) Ethyl Benzene             | 10.195 | 91   | 139252   | 19.264  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.305 | 106  | 104925   | 36.526  | ug/l   | 93       |
| 69) o-Xylene                  | 10.640 | 106  | 53190    | 19.050  | ug/l   | 100      |
| 70) Styrene                   | 10.658 | 104  | 86610    | 19.404  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 19548    | 20.196  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 142634   | 19.606  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.841 | 43   | 51627    | 23.238  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 44258    | 19.147  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 40411m   | 20.442  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 33436    | 18.658  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.305 | 91   | 164545   | 19.885  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 98529    | 19.786  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 121227   | 20.091  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 10029    | 20.303  | ug/l # | 76       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 116665   | 20.457  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 119724   | 20.048  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 121556   | 19.831  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 149578   | 20.231  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 126651   | 20.346  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 62989    | 18.460  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 63779    | 18.160  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.335 | 91   | 110607   | 21.218  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.542 | 117  | 18862    | 19.865  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 62561    | 18.441  | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 9722     | 22.977  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 39884    | 19.370  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 16431    | 19.730  | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 139737   | 19.805  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 40662    | 19.469  | ug/l   | 99       |

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Sample : VX1013WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1013WBS01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 10/14/2022  
Supervised By :Mahesh Dadoda 10/14/2022

Quant Time: Oct 14 07:49:42 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

