

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041723\  
 Data File : VN077353.D  
 Acq On : 17 Apr 2023 12:59  
 Operator : JC\MD  
 Sample : VN0417WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0417WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 04/18/2023  
 Supervised By : Mahesh Dadoda 04/18/2023

Quant Time: Apr 18 04:40:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N040523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 06 08:27:03 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                        |                |      |                     |        |        |          |
| Internal Standards           |                |      |                     |        |        |          |
| 1) Pentafluorobenzene        | 8.231          | 168  | 575997              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.107          | 114  | 1080561             | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.872         | 117  | 982845              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.795         | 152  | 424854              | 50.000 | ug/l   | 0.00     |
|                              |                |      |                     |        |        |          |
| System Monitoring Compounds  |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.584          | 65   | 427251              | 54.272 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 108.540% |        |        |          |
| 35) Dibromofluoromethane     | 8.172          | 113  | 382927              | 55.357 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 110.720% |        |        |          |
| 50) Toluene-d8               | 10.572         | 98   | 1553016             | 55.769 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 111.540% |        |        |          |
| 62) 4-Bromofluorobenzene     | 12.848         | 95   | 528196              | 57.031 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 114.060% |        |        |          |
|                              |                |      |                     |        |        |          |
| Target Compounds             |                |      |                     |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.137          | 85   | 134786              | 18.334 | ug/l   | 98       |
| 3) Chloromethane             | 2.372          | 50   | 125181              | 13.740 | ug/l   | 94       |
| 4) Vinyl Chloride            | 2.525          | 62   | 184241              | 14.915 | ug/l   | 95       |
| 5) Bromomethane              | 2.966          | 94   | 139753              | 15.606 | ug/l   | 98       |
| 6) Chloroethane              | 3.131          | 64   | 128860              | 14.618 | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 3.507          | 101  | 210700              | 19.672 | ug/l   | 98       |
| 8) Diethyl Ether             | 3.972          | 74   | 79381               | 17.686 | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 4.384          | 101  | 130072              | 19.844 | ug/l   | 98       |
| 10) Methyl Iodide            | 4.601          | 142  | 155972              | 19.565 | ug/l   | 94       |
| 11) Tert butyl alcohol       | 5.531          | 59   | 114952              | 71.561 | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 4.349          | 96   | 120658              | 17.882 | ug/l   | 87       |
| 13) Acrolein                 | 4.190          | 56   | 97656               | 64.189 | ug/l   | 96       |
| 14) Allyl chloride           | 5.037          | 41   | 150500              | 14.768 | ug/l   | 91       |
| 15) Acrylonitrile            | 5.731          | 53   | 278615              | 78.455 | ug/l   | 100      |
| 16) Acetone                  | 4.437          | 43   | 241332              | 83.144 | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.725          | 76   | 304345              | 16.727 | ug/l   | 96       |
| 18) Methyl Acetate           | 5.037          | 43   | 174218              | 15.760 | ug/l   | 96       |
| 19) Methyl tert-butyl Ether  | 5.807          | 73   | 427699              | 17.864 | ug/l   | 97       |
| 20) Methylene Chloride       | 5.284          | 84   | 139306              | 16.994 | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 5.795          | 96   | 134487              | 18.204 | ug/l   | 97       |
| 22) Diisopropyl ether        | 6.678          | 45   | 354448              | 17.349 | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.613          | 43   | 1279157m            | 92.596 | ug/l   |          |
| 24) 1,1-Dichloroethane       | 6.578          | 63   | 233589              | 17.705 | ug/l   | 98       |
| 25) 2-Butanone               | 7.495          | 43   | 351653              | 74.649 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.495          | 77   | 233594              | 19.309 | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.495          | 96   | 165250              | 18.317 | ug/l   | 98       |
| 28) Bromochloromethane       | 7.819          | 49   | 95046               | 17.909 | ug/l   | 92       |
| 29) Tetrahydrofuran          | 7.842          | 42   | 221732              | 73.222 | ug/l   | 95       |
| 30) Chloroform               | 7.972          | 83   | 259916              | 18.474 | ug/l   | 93       |
| 31) Cyclohexane              | 8.260          | 56   | 202188              | 16.529 | ug/l   | 90       |
| 32) 1,1,1-Trichloroethane    | 8.178          | 97   | 238716              | 18.656 | ug/l   | 93       |
| 36) 1,1-Dichloropropene      | 8.378          | 75   | 192097              | 18.776 | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.566          | 43   | 147008              | 16.060 | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.366          | 117  | 209719              | 20.008 | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.607          | 83   | 255662              | 18.532 | ug/l   | 97       |
| 40) Benzene                  | 8.613          | 78   | 585602              | 18.351 | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041723\  
 Data File : VN077353.D  
 Acq On : 17 Apr 2023 12:59  
 Operator : JC\MD  
 Sample : VN0417WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0417WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 04/18/2023  
 Supervised By : Mahesh Dadoda 04/18/2023

Quant Time: Apr 18 04:40:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N040523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 06 08:27:03 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.784  | 41   | 70054    | 14.238  | ug/l   | 88       |
| 42) 1,2-Dichloroethane        | 8.678  | 62   | 189388   | 19.283  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.695  | 43   | 263329   | 15.590  | ug/l   | 96       |
| 44) Trichloroethene           | 9.354  | 130  | 150415   | 19.699  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.625  | 63   | 139919   | 18.462  | ug/l   | 99       |
| 46) Dibromomethane            | 9.713  | 93   | 107348   | 18.800  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.889  | 83   | 215004   | 18.838  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.683  | 41   | 111824   | 15.519  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 9.701  | 88   | 54561    | 312.327 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.448 | 43   | 778452   | 79.733  | ug/l   | 99       |
| 52) Toluene                   | 10.636 | 92   | 397361   | 19.024  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.836 | 75   | 235023   | 18.963  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.313 | 75   | 249362   | 18.889  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 11.019 | 97   | 153056   | 18.667  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.878 | 69   | 226061   | 17.701  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 11.166 | 76   | 254922   | 18.819  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.166 | 63   | 265167   | 69.750  | ug/l   | 96       |
| 59) 2-Hexanone                | 11.201 | 43   | 584591   | 80.372  | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.360 | 129  | 170010   | 20.132  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.472 | 107  | 157233   | 19.213  | ug/l   | 100      |
| 64) Tetrachloroethene         | 11.107 | 164  | 119870   | 19.743  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.895 | 112  | 423504   | 19.572  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 11.960 | 131  | 156090   | 19.065  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.966 | 91   | 773162   | 19.363  | ug/l   | 96       |
| 68) m/p-Xylenes               | 12.072 | 106  | 597991   | 38.115  | ug/l   | 100      |
| 69) o-Xylene                  | 12.401 | 106  | 297158   | 19.199  | ug/l   | 100      |
| 70) Styrene                   | 12.413 | 104  | 479069   | 19.234  | ug/l   | 98       |
| 71) Bromoform                 | 12.583 | 173  | 107100   | 18.583  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.701 | 105  | 771731   | 18.701  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.495 | 43   | 231162   | 14.782  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.942 | 83   | 226817   | 17.515  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.995 | 75   | 158635m  | 15.680  | ug/l   |          |
| 77) Bromobenzene              | 12.983 | 156  | 162339   | 19.348  | ug/l   | 91       |
| 78) n-propylbenzene           | 13.042 | 91   | 867691   | 19.030  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.130 | 91   | 510365   | 18.589  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.177 | 105  | 626814   | 19.018  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.736 | 75   | 80155    | 17.829  | ug/l   | 87       |
| 82) 4-Chlorotoluene           | 13.224 | 91   | 491179   | 18.975  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.442 | 119  | 545936   | 18.609  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.489 | 105  | 600098   | 18.430  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 791248   | 19.353  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.736 | 119  | 630266   | 19.615  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.736 | 146  | 301713   | 19.436  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.818 | 146  | 300688   | 19.642  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.060 | 91   | 512867   | 19.226  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.336 | 117  | 128816   | 18.335  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 14.113 | 146  | 293337   | 18.889  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.718 | 75   | 39088    | 15.927  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.371 | 180  | 88456    | 15.779  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.465 | 225  | 63907    | 19.694  | ug/l   | 99       |
| 95) Naphthalene               | 15.589 | 128  | 312819   | 14.855  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.760 | 180  | 79158    | 14.763  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041723\  
Data File : VN077353.D  
Acq On : 17 Apr 2023 12:59  
Operator : JC\MD  
Sample : VN0417WBS01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0417WBS01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 04/18/2023  
Supervised By :Mahesh Dadoda 04/18/2023

Quant Time: Apr 18 04:40:18 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N040523W.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 06 08:27:03 2023  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041723\  
 Data File : VN077353.D  
 Acq On : 17 Apr 2023 12:59  
 Operator : JC\MD  
 Sample : VN0417WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0417WBS01

### Manual Integrations APPROVED

Reviewed By : John Carlone 04/18/2023  
 Supervised By : Mahesh Dadoda 04/18/2023

Quant Time: Apr 18 04:40:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N040523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 06 08:27:03 2023  
 Response via : Initial Calibration

