

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022124\  
 Data File : VN081112.D  
 Acq On : 21 Feb 2024 12:00  
 Operator : JC\MD  
 Sample : VN0221WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0221WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/22/2024  
 Supervised By : Semsettin Yesilyurt 02/22/2024

Quant Time: Feb 22 04:44:22 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021624W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 16 23:45:20 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 8.224          | 168  | 356479     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.100          | 114  | 636735     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865         | 117  | 571817     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794         | 152  | 251706     | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.582          | 65   | 201471     | 46.109  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 92.220% |        |          |
| 35) Dibromofluoromethane     | 8.165          | 113  | 172421     | 47.888  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 95.780% |        |          |
| 50) Toluene-d8               | 10.571         | 98   | 592105     | 46.301  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 92.600% |        |          |
| 62) 4-Bromofluorobenzene     | 12.847         | 95   | 228249     | 47.500  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 95.000% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.124          | 85   | 92225      | 20.005  | ug/l   | 96       |
| 3) Chloromethane             | 2.365          | 50   | 87769      | 16.662  | ug/l   | 94       |
| 4) Vinyl Chloride            | 2.518          | 62   | 92716      | 18.106  | ug/l   | 97       |
| 5) Bromomethane              | 2.971          | 94   | 68160      | 18.740  | ug/l   | 98       |
| 6) Chloroethane              | 3.130          | 64   | 61646      | 18.056  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.500          | 101  | 141445     | 18.907  | ug/l   | 92       |
| 8) Diethyl Ether             | 3.965          | 74   | 53244      | 19.467  | ug/l   | 83       |
| 9) 1,1,2-Trichlorotrifluo... | 4.383          | 101  | 82234      | 19.718  | ug/l   | 92       |
| 10) Methyl Iodide            | 4.594          | 142  | 87371      | 18.769  | ug/l   | 94       |
| 11) Tert butyl alcohol       | 5.512          | 59   | 61473      | 76.501  | ug/l # | 86       |
| 12) 1,1-Dichloroethene       | 4.347          | 96   | 75595      | 18.752  | ug/l   | 94       |
| 13) Acrolein                 | 4.171          | 56   | 71484      | 165.976 | ug/l   | 100      |
| 14) Allyl chloride           | 5.024          | 41   | 105824     | 17.692  | ug/l # | 84       |
| 15) Acrylonitrile            | 5.718          | 53   | 190252     | 90.655  | ug/l   | 98       |
| 16) Acetone                  | 4.424          | 43   | 113658     | 66.108  | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.712          | 76   | 192080     | 17.082  | ug/l   | 96       |
| 18) Methyl Acetate           | 5.018          | 43   | 84799      | 20.219  | ug/l # | 90       |
| 19) Methyl tert-butyl Ether  | 5.794          | 73   | 269335     | 19.507  | ug/l   | 94       |
| 20) Methylene Chloride       | 5.277          | 84   | 86206      | 18.802  | ug/l   | 89       |
| 21) trans-1,2-Dichloroethene | 5.788          | 96   | 82488      | 18.340  | ug/l   | 88       |
| 22) Diisopropyl ether        | 6.665          | 45   | 267932     | 19.746  | ug/l # | 93       |
| 23) Vinyl Acetate            | 6.600          | 43   | 1054123m   | 95.753  | ug/l   |          |
| 24) 1,1-Dichloroethane       | 6.565          | 63   | 156177     | 19.906  | ug/l   | 96       |
| 25) 2-Butanone               | 7.477          | 43   | 216353     | 77.894  | ug/l   | 92       |
| 26) 2,2-Dichloropropane      | 7.488          | 77   | 138655     | 18.861  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.488          | 96   | 98671      | 18.882  | ug/l   | 90       |
| 28) Bromochloromethane       | 7.806          | 49   | 65849      | 20.245  | ug/l # | 66       |
| 29) Tetrahydrofuran          | 7.835          | 42   | 157965     | 85.196  | ug/l # | 87       |
| 30) Chloroform               | 7.965          | 83   | 160340     | 19.224  | ug/l   | 94       |
| 31) Cyclohexane              | 8.259          | 56   | 132975     | 17.625  | ug/l # | 76       |
| 32) 1,1,1-Trichloroethane    | 8.171          | 97   | 142979     | 18.823  | ug/l   | 89       |
| 36) 1,1-Dichloropropene      | 8.371          | 75   | 121579     | 19.710  | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.565          | 43   | 99831      | 17.932  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 8.365          | 117  | 121653     | 19.493  | ug/l   | 91       |
| 39) Methylcyclohexane        | 9.600          | 83   | 136873     | 19.035  | ug/l   | 87       |
| 40) Benzene                  | 8.606          | 78   | 357051     | 19.998  | ug/l   | 99       |

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 Sample : VN0221WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0221WBSD01

Manual Integrations  
 APPROVED

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Quant Time: Feb 22 04:44:22 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021624W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 16 23:45:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.777  | 41   | 60082    | 18.963  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 124670   | 20.014  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 190518   | 19.567  | ug/l # | 95       |
| 44) Trichloroethene           | 9.353  | 130  | 89254    | 18.769  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 88726    | 19.866  | ug/l   | 93       |
| 46) Dibromomethane            | 9.712  | 93   | 64794    | 19.911  | ug/l   | 91       |
| 47) Bromodichloromethane      | 9.888  | 83   | 127136   | 20.628  | ug/l # | 96       |
| 48) Methyl methacrylate       | 9.676  | 41   | 86438    | 19.079  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 28320    | 312.229 | ug/l # | 80       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 516395   | 92.198  | ug/l   | 95       |
| 52) Toluene                   | 10.629 | 92   | 224082   | 19.824  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 140933   | 20.577  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 150090   | 20.283  | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 87908    | 20.221  | ug/l   | 90       |
| 56) Ethyl methacrylate        | 10.871 | 69   | 132199   | 19.897  | ug/l   | 85       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 151823   | 20.197  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 267562   | 80.258  | ug/l # | 88       |
| 59) 2-Hexanone                | 11.194 | 43   | 366444   | 82.524  | ug/l   | 95       |
| 60) Dibromochloromethane      | 11.359 | 129  | 91817    | 19.880  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.470 | 107  | 90699    | 19.839  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.100 | 164  | 77451    | 19.846  | ug/l   | 82       |
| 65) Chlorobenzene             | 11.894 | 112  | 240448   | 19.429  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 87840    | 19.761  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.965 | 91   | 433016   | 19.553  | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.070 | 106  | 326085   | 38.415  | ug/l   | 94       |
| 69) o-Xylene                  | 12.394 | 106  | 158442   | 18.830  | ug/l   | 97       |
| 70) Styrene                   | 12.412 | 104  | 264282   | 19.821  | ug/l   | 96       |
| 71) Bromoform                 | 12.576 | 173  | 57604    | 20.426  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.694 | 105  | 414271   | 18.811  | ug/l   | 96       |
| 74) N-amyl acetate            | 12.494 | 43   | 164906   | 17.717  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 117470   | 18.970  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 101319m  | 17.716  | ug/l   |          |
| 77) Bromobenzene              | 12.982 | 156  | 95010    | 19.349  | ug/l   | 75       |
| 78) n-propylbenzene           | 13.035 | 91   | 485734   | 19.160  | ug/l   | 94       |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 289865   | 18.641  | ug/l   | 91       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 351243   | 19.671  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 39424    | 17.744  | ug/l # | 85       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 286272   | 18.828  | ug/l   | 94       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 301704   | 19.541  | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 354099   | 19.901  | ug/l   | 95       |
| 85) sec-Butylbenzene          | 13.617 | 105  | 429704   | 20.020  | ug/l   | 95       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 352814   | 19.789  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 177282   | 19.108  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.811 | 146  | 179612   | 19.701  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.059 | 91   | 315248   | 20.297  | ug/l   | 96       |
| 90) Hexachloroethane          | 14.335 | 117  | 56534    | 19.184  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 172402   | 19.266  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 22446    | 17.434  | ug/l   | 81       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 94890    | 19.007  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 37997    | 20.408  | ug/l   | 93       |
| 95) Naphthalene               | 15.641 | 128  | 329191   | 17.994  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 96115    | 19.407  | ug/l   | 99       |

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Sample : VN0221WBSD01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0221WBSD01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 02/22/2024  
Supervised By :Semsettin Yesilyurt 02/22/2024

Quant Time: Feb 22 04:44:22 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021624W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 16 23:45:20 2024  
Response via : Initial Calibration

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

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

