

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102524\  
 Data File : VN084509.D  
 Acq On : 25 Oct 2024 12:27  
 Operator : JC\MD  
 Sample : VN1025WBS02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1025WBS02

Quant Time: Oct 25 23:30:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 01 07:11:01 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2024  
 Supervised By :Mahesh Dadoda 10/28/2024

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 8.224          | 168  | 171552     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.100          | 114  | 293994     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865         | 117  | 259694     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.788         | 152  | 130520     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.577          | 65   | 121357     | 47.711   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 95.420%  |        |          |
| 35) Dibromofluoromethane     | 8.165          | 113  | 98440      | 50.790   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 101.580% |        |          |
| 50) Toluene-d8               | 10.565         | 98   | 354456     | 49.708   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 99.420%  |        |          |
| 62) 4-Bromofluorobenzene     | 12.847         | 95   | 133424     | 51.360   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 102.720% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.124          | 85   | 27726      | 13.663   | ug/l   | 97       |
| 3) Chloromethane             | 2.359          | 50   | 35222      | 15.202   | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.512          | 62   | 36312      | 16.179   | ug/l   | 98       |
| 5) Bromomethane              | 2.953          | 94   | 24035      | 16.236   | ug/l   | 100      |
| 6) Chloroethane              | 3.118          | 64   | 24742      | 15.393   | ug/l   | 90       |
| 7) Trichlorofluoromethane    | 3.495          | 101  | 63142      | 18.067   | ug/l   | 98       |
| 8) Diethyl Ether             | 3.959          | 74   | 23319      | 17.991   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371          | 101  | 36127      | 18.041   | ug/l   | 99       |
| 10) Methyl Iodide            | 4.589          | 142  | 43700      | 16.945   | ug/l   | 96       |
| 11) Tert butyl alcohol       | 5.530          | 59   | 41408      | 98.728   | ug/l # | 73       |
| 12) 1,1-Dichloroethene       | 4.342          | 96   | 35205      | 18.226   | ug/l   | 98       |
| 13) Acrolein                 | 4.183          | 56   | 50668      | 105.230  | ug/l   | 100      |
| 14) Allyl chloride           | 5.024          | 41   | 55306      | 16.487   | ug/l   | 96       |
| 15) Acrylonitrile            | 5.718          | 53   | 105726     | 99.822   | ug/l   | 99       |
| 16) Acetone                  | 4.424          | 43   | 103041     | 94.302   | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.706          | 76   | 90239      | 14.756   | ug/l   | 100      |
| 18) Methyl Acetate           | 5.024          | 43   | 49195      | 20.657   | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.794          | 73   | 125176     | 19.201   | ug/l   | 100      |
| 20) Methylene Chloride       | 5.271          | 84   | 40654      | 18.303   | ug/l   | 93       |
| 21) trans-1,2-Dichloroethene | 5.783          | 96   | 36842      | 18.206   | ug/l   | 99       |
| 22) Diisopropyl ether        | 6.677          | 45   | 133205     | 19.197   | ug/l   | 99       |
| 23) Vinyl Acetate            | 6.600          | 43   | 498831     | 96.927   | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.565          | 63   | 74694      | 19.249   | ug/l   | 98       |
| 25) 2-Butanone               | 7.483          | 43   | 150891     | 101.389  | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 7.494          | 77   | 65133      | 18.616   | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.483          | 96   | 46425      | 18.985   | ug/l   | 99       |
| 28) Bromochloromethane       | 7.812          | 49   | 36398      | 21.023   | ug/l   | 98       |
| 29) Tetrahydrofuran          | 7.841          | 42   | 94143      | 102.506  | ug/l   | 96       |
| 30) Chloroform               | 7.965          | 83   | 78597      | 19.500   | ug/l   | 95       |
| 31) Cyclohexane              | 8.259          | 56   | 61664      | 16.367   | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 8.171          | 97   | 69215      | 19.120   | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.371          | 75   | 52866      | 18.778   | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.559          | 43   | 59834      | 20.716   | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 8.359          | 117  | 58702      | 19.008   | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.600          | 83   | 53070      | 16.937   | ug/l   | 92       |
| 40) Benzene                  | 8.606          | 78   | 168355     | 19.193   | ug/l   | 99       |

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 Sample : VN1025WBS02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1025WBS02

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2024  
 Supervised By :Mahesh Dadoda 10/28/2024

Quant Time: Oct 25 23:30:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 01 07:11:01 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.783  | 41   | 31128    | 19.852  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 58130    | 19.548  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.688  | 43   | 104055   | 18.393  | ug/l   | 98       |
| 44) Trichloroethene           | 9.347  | 130  | 40633    | 19.834  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 41836    | 20.162  | ug/l   | 98       |
| 46) Dibromomethane            | 9.706  | 93   | 29427    | 21.015  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.888  | 83   | 62197    | 19.993  | ug/l # | 96       |
| 48) Methyl methacrylate       | 9.677  | 41   | 43499    | 19.316  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 18121    | 437.079 | ug/l # | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43   | 303407   | 110.350 | ug/l   | 100      |
| 52) Toluene                   | 10.629 | 92   | 104966   | 19.624  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 60652    | 19.126  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 66296    | 19.436  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 41159    | 21.465  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.871 | 69   | 65671    | 20.814  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 69577    | 20.306  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 152054   | 103.886 | ug/l   | 98       |
| 59) 2-Hexanone                | 11.194 | 43   | 224074   | 109.038 | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.359 | 129  | 47794    | 21.095  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.465 | 107  | 40071    | 20.111  | ug/l   | 97       |
| 64) Tetrachloroethene         | 11.100 | 164  | 34033    | 18.815  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.888 | 112  | 112381   | 19.517  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 40507    | 20.424  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.965 | 91   | 191570   | 18.813  | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.070 | 106  | 149303   | 39.637  | ug/l   | 99       |
| 69) o-Xylene                  | 12.400 | 106  | 70967    | 19.913  | ug/l   | 98       |
| 70) Styrene                   | 12.412 | 104  | 121840   | 20.184  | ug/l   | 98       |
| 71) Bromoform                 | 12.576 | 173  | 30450    | 20.854  | ug/l # | 94       |
| 73) Isopropylbenzene          | 12.694 | 105  | 177747   | 17.846  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 83413    | 18.494  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 59930    | 20.011  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 51890m   | 19.474  | ug/l   |          |
| 77) Bromobenzene              | 12.982 | 156  | 44762    | 18.632  | ug/l   | 99       |
| 78) n-propylbenzene           | 13.035 | 91   | 215810   | 18.702  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 136297   | 18.510  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 153246   | 18.862  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 19959m   | 17.958  | ug/l   |          |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 138768   | 18.721  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.435 | 119  | 128615   | 17.811  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 157700   | 19.268  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.617 | 105  | 178019   | 18.475  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 149454   | 18.757  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 83237    | 18.469  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 83627    | 18.374  | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.059 | 91   | 121940   | 16.877  | ug/l   | 100      |
| 90) Hexachloroethane          | 14.335 | 117  | 27574    | 17.049  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 81762    | 18.501  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 11856    | 19.184  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 38758    | 17.806  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 17672    | 16.280  | ug/l   | 98       |
| 95) Naphthalene               | 15.641 | 128  | 123953   | 17.177  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 38435    | 17.640  | ug/l   | 98       |

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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2024  
Supervised By :Mahesh Dadoda 10/28/2024

Quant Time: Oct 25 23:30:35 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 01 07:11:01 2024  
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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

