

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102224\  
 Data File : VN084453.D  
 Acq On : 22 Oct 2024 14:01  
 Operator : JC\MD  
 Sample : VN1022WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1022WBS01

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024  
 Supervised By :Mahesh Dadoda 10/23/2024

Quant Time: Oct 23 01:27:16 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) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 8.224          | 168  | 177710     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.100          | 114  | 304170     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865         | 117  | 270028     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.788         | 152  | 132421     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.582          | 65   | 121628     | 46.161  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 92.320% |        |          |
| 35) Dibromofluoromethane     | 8.165          | 113  | 99350      | 49.544  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 99.080% |        |          |
| 50) Toluene-d8               | 10.565         | 98   | 359697     | 48.755  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 97.520% |        |          |
| 62) 4-Bromofluorobenzene     | 12.847         | 95   | 131806     | 49.040  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 98.080% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.130          | 85   | 30405      | 14.464  | ug/l   | 88       |
| 3) Chloromethane             | 2.365          | 50   | 38245      | 15.934  | ug/l   | 92       |
| 4) Vinyl Chloride            | 2.512          | 62   | 38348      | 16.494  | ug/l   | 99       |
| 5) Bromomethane              | 2.953          | 94   | 26015      | 16.964  | ug/l   | 96       |
| 6) Chloroethane              | 3.118          | 64   | 24567      | 14.755  | ug/l   | 93       |
| 7) Trichlorofluoromethane    | 3.494          | 101  | 62625      | 17.298  | ug/l   | 100      |
| 8) Diethyl Ether             | 3.959          | 74   | 23561      | 17.547  | ug/l   | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 4.365          | 101  | 36860      | 17.769  | ug/l   | 98       |
| 10) Methyl Iodide            | 4.589          | 142  | 46339      | 17.346  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.524          | 59   | 34138      | 78.574  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 4.347          | 96   | 36354      | 18.169  | ug/l   | 90       |
| 13) Acrolein                 | 4.177          | 56   | 28493      | 57.125  | ug/l   | 99       |
| 14) Allyl chloride           | 5.024          | 41   | 57894      | 16.660  | ug/l   | 96       |
| 15) Acrylonitrile            | 5.724          | 53   | 99053      | 90.281  | ug/l   | 99       |
| 16) Acetone                  | 4.430          | 43   | 92502      | 81.724  | ug/l   | 100      |
| 17) Carbon Disulfide         | 4.712          | 76   | 103059     | 16.268  | ug/l   | 100      |
| 18) Methyl Acetate           | 5.024          | 43   | 43324      | 17.561  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.794          | 73   | 119560     | 17.704  | ug/l   | 98       |
| 20) Methylene Chloride       | 5.277          | 84   | 41973      | 18.242  | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 5.788          | 96   | 37752      | 18.009  | ug/l   | 97       |
| 22) Diisopropyl ether        | 6.671          | 45   | 129644     | 18.037  | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.606          | 43   | 460216     | 86.325  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.565          | 63   | 74312      | 18.487  | ug/l   | 99       |
| 25) 2-Butanone               | 7.482          | 43   | 134974     | 87.552  | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.488          | 77   | 64580      | 17.819  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.488          | 96   | 46201      | 18.239  | ug/l   | 97       |
| 28) Bromochloromethane       | 7.818          | 49   | 33275      | 18.553  | ug/l   | 95       |
| 29) Tetrahydrofuran          | 7.841          | 42   | 84149      | 88.450  | ug/l   | 99       |
| 30) Chloroform               | 7.971          | 83   | 78076      | 18.699  | ug/l   | 96       |
| 31) Cyclohexane              | 8.253          | 56   | 66769      | 17.108  | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 8.171          | 97   | 68084      | 18.156  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.371          | 75   | 53919      | 18.511  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.559          | 43   | 53127      | 17.779  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.365          | 117  | 60111      | 18.813  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.600          | 83   | 56729      | 17.499  | ug/l   | 98       |
| 40) Benzene                  | 8.606          | 78   | 169698     | 18.699  | ug/l   | 99       |

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 Sample : VN1022WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1022WBS01

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024  
 Supervised By :Mahesh Dadoda 10/23/2024

Quant Time: Oct 23 01:27:16 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         | 7.782  | 41   | 28308    | 17.450  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 56388    | 18.328  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 87191    | 14.897  | ug/l   | 98       |
| 44) Trichloroethene           | 9.353  | 130  | 40177    | 18.955  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.623  | 63   | 40840    | 19.023  | ug/l   | 96       |
| 46) Dibromomethane            | 9.706  | 93   | 28768    | 19.857  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.882  | 83   | 61279    | 19.038  | ug/l   | 91       |
| 48) Methyl methacrylate       | 9.676  | 41   | 41050    | 17.619  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 14851    | 346.222 | ug/l # | 90       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 262197   | 92.172  | ug/l   | 99       |
| 52) Toluene                   | 10.629 | 92   | 106505   | 19.246  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 61026    | 18.600  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 64908    | 18.392  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 40314    | 20.321  | ug/l   | 92       |
| 56) Ethyl methacrylate        | 10.870 | 69   | 59750    | 18.303  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 65745    | 18.546  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 124774   | 82.396  | ug/l   | 98       |
| 59) 2-Hexanone                | 11.194 | 43   | 194266   | 91.370  | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.359 | 129  | 45869    | 19.568  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.470 | 107  | 39273    | 19.051  | ug/l   | 100      |
| 64) Tetrachloroethene         | 11.106 | 164  | 34680    | 18.439  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.894 | 112  | 111661   | 18.650  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 38900    | 18.863  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.964 | 91   | 192042   | 18.137  | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.070 | 106  | 148188   | 37.836  | ug/l   | 99       |
| 69) o-Xylene                  | 12.400 | 106  | 70695    | 19.078  | ug/l   | 98       |
| 70) Styrene                   | 12.412 | 104  | 120254   | 19.159  | ug/l   | 98       |
| 71) Bromoform                 | 12.576 | 173  | 29221    | 19.246  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.694 | 105  | 182230   | 18.034  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.494 | 43   | 76299    | 16.674  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 55947    | 18.413  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.988 | 75   | 52772m   | 19.521  | ug/l   |          |
| 77) Bromobenzene              | 12.976 | 156  | 44866    | 18.407  | ug/l   | 95       |
| 78) n-propylbenzene           | 13.035 | 91   | 213398   | 18.227  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 134753   | 18.038  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 154916   | 18.794  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 21723    | 19.264  | ug/l   | 87       |
| 82) 4-Chlorotoluene           | 13.217 | 91   | 137196   | 18.243  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.435 | 119  | 127869   | 17.454  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 153680   | 18.508  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.617 | 105  | 176234   | 18.027  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 146590   | 18.133  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 83239    | 18.204  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.811 | 146  | 81325    | 17.612  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.053 | 91   | 122182   | 16.668  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.329 | 117  | 28246    | 17.213  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 79655    | 17.766  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 10211    | 16.285  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 36971    | 16.741  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 18220    | 16.544  | ug/l   | 96       |
| 95) Naphthalene               | 15.641 | 128  | 109289   | 14.927  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 36215    | 16.382  | ug/l   | 99       |

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Sample : VN1022WBS01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1022WBS01

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024  
Supervised By :Mahesh Dadoda 10/23/2024

Quant Time: Oct 23 01:27:16 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) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

