

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102924\  
 Data File : VN084555.D  
 Acq On : 29 Oct 2024 11:41  
 Operator : JC\MD  
 Sample : VN1029WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1029WBS01

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024  
 Supervised By :Mahesh Dadoda 10/30/2024

Quant Time: Oct 30 04:58:44 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  | 153415   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 256992   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 228427   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 115296   | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |          |
|---------------------------|--------|-------|----------|----------|------|----------|
| 33) 1,2-Dichloroethane-d4 | 8.577  | 65    | 110397   | 48.533   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 74 - 125 | Recovery | =    | 97.060%  |
| 35) Dibromofluoromethane  | 8.159  | 113   | 89563    | 52.863   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 105.720% |
| 50) Toluene-d8            | 10.565 | 98    | 317982   | 51.013   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 86 - 113 | Recovery | =    | 102.020% |
| 62) 4-Bromofluorobenzene  | 12.847 | 95    | 115852   | 51.017   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 77 - 121 | Recovery | =    | 102.040% |

## Target Compounds

|                              |       |     |        |         |        | Qvalue |
|------------------------------|-------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane   | 2.124 | 85  | 34858  | 19.209  | ug/l   | 87     |
| 3) Chloromethane             | 2.360 | 50  | 38900  | 18.774  | ug/l   | 95     |
| 4) Vinyl Chloride            | 2.512 | 62  | 38891  | 19.377  | ug/l   | 100    |
| 5) Bromomethane              | 2.912 | 94  | 23509  | 17.758  | ug/l   | 97     |
| 6) Chloroethane              | 3.095 | 64  | 26961  | 18.757  | ug/l # | 84     |
| 7) Trichlorofluoromethane    | 3.483 | 101 | 66930  | 21.415  | ug/l   | 99     |
| 8) Diethyl Ether             | 3.954 | 74  | 23545  | 20.312  | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluo... | 4.359 | 101 | 39858  | 22.257  | ug/l   | 99     |
| 10) Methyl Iodide            | 4.577 | 142 | 46030  | 19.959  | ug/l   | 98     |
| 11) Tert butyl alcohol       | 5.530 | 59  | 32221  | 85.906  | ug/l   | 99     |
| 12) 1,1-Dichloroethene       | 4.330 | 96  | 35924  | 20.797  | ug/l   | 99     |
| 13) Acrolein                 | 4.177 | 56  | 38489  | 89.387  | ug/l   | 98     |
| 14) Allyl chloride           | 5.018 | 41  | 60654  | 20.219  | ug/l   | 92     |
| 15) Acrylonitrile            | 5.718 | 53  | 98995  | 104.517 | ug/l   | 99     |
| 16) Acetone                  | 4.430 | 43  | 100158 | 102.500 | ug/l   | 97     |
| 17) Carbon Disulfide         | 4.706 | 76  | 95292  | 17.424  | ug/l   | 97     |
| 18) Methyl Acetate           | 5.024 | 43  | 55468  | 26.044  | ug/l   | 100    |
| 19) Methyl tert-butyl Ether  | 5.795 | 73  | 123913 | 21.254  | ug/l   | 97     |
| 20) Methylene Chloride       | 5.271 | 84  | 43147  | 21.722  | ug/l   | 86     |
| 21) trans-1,2-Dichloroethene | 5.783 | 96  | 38075  | 21.039  | ug/l   | 92     |
| 22) Diisopropyl ether        | 6.665 | 45  | 134675 | 21.704  | ug/l   | 98     |
| 23) Vinyl Acetate            | 6.600 | 43  | 468888 | 101.880 | ug/l   | 99     |
| 24) 1,1-Dichloroethane       | 6.559 | 63  | 75720  | 21.821  | ug/l   | 99     |
| 25) 2-Butanone               | 7.477 | 43  | 138531 | 104.089 | ug/l   | 96     |
| 26) 2,2-Dichloropropane      | 7.483 | 77  | 66978  | 21.407  | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene   | 7.483 | 96  | 45204  | 20.671  | ug/l   | 98     |
| 28) Bromochloromethane       | 7.806 | 49  | 27889  | 18.013  | ug/l   | 97     |
| 29) Tetrahydrofuran          | 7.841 | 42  | 84384  | 102.743 | ug/l   | 97     |
| 30) Chloroform               | 7.965 | 83  | 79543  | 22.067  | ug/l   | 99     |
| 31) Cyclohexane              | 8.259 | 56  | 63846  | 18.950  | ug/l   | 96     |
| 32) 1,1,1-Trichloroethane    | 8.165 | 97  | 70788  | 21.867  | ug/l   | 98     |
| 36) 1,1-Dichloropropene      | 8.371 | 75  | 52114  | 21.176  | ug/l   | 98     |
| 37) Ethyl Acetate            | 7.559 | 43  | 55756  | 22.084  | ug/l   | 99     |
| 38) Carbon Tetrachloride     | 8.359 | 117 | 60698  | 22.485  | ug/l   | 98     |
| 39) Methylcyclohexane        | 9.600 | 83  | 54605  | 19.936  | ug/l   | 99     |
| 40) Benzene                  | 8.606 | 78  | 172563 | 22.506  | ug/l   | 99     |

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 Sample : VN1029WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1029WBS01

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024  
 Supervised By :Mahesh Dadoda 10/30/2024

Quant Time: Oct 30 04:58:44 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         | 7.777  | 41   | 29345    | 21.410  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 59036    | 22.711  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.683  | 43   | 99568    | 20.134  | ug/l   | 98       |
| 44) Trichloroethene           | 9.353  | 130  | 39389    | 21.995  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.618  | 63   | 43122    | 23.774  | ug/l   | 100      |
| 46) Dibromomethane            | 9.706  | 93   | 29466    | 24.073  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.888  | 83   | 64055    | 23.554  | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.683  | 41   | 42040    | 21.356  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 15671    | 432.407 | ug/l # | 78       |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43   | 268998   | 111.922 | ug/l   | 99       |
| 52) Toluene                   | 10.630 | 92   | 105803   | 22.628  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 60477    | 21.816  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 66645    | 22.351  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 11.012 | 97   | 41300    | 24.639  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.871 | 69   | 58546    | 21.227  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 11.159 | 76   | 68887    | 23.000  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 117220   | 91.617  | ug/l   | 98       |
| 59) 2-Hexanone                | 11.194 | 43   | 201290   | 112.054 | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.359 | 129  | 46128    | 23.292  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 11.465 | 107  | 39526    | 22.694  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.100 | 164  | 35493    | 22.308  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.888 | 112  | 110265   | 21.771  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 40200    | 23.044  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.965 | 91   | 188113   | 21.002  | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.071 | 106  | 147602   | 44.549  | ug/l   | 97       |
| 69) o-Xylene                  | 12.400 | 106  | 70229    | 22.404  | ug/l   | 97       |
| 70) Styrene                   | 12.412 | 104  | 118728   | 22.361  | ug/l   | 99       |
| 71) Bromoform                 | 12.576 | 173  | 31510    | 24.534  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.694 | 105  | 177562   | 20.182  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 74540    | 18.709  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 59105    | 22.341  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 54226m   | 23.038  | ug/l   |          |
| 77) Bromobenzene              | 12.976 | 156  | 44739    | 21.081  | ug/l   | 96       |
| 78) n-propylbenzene           | 13.035 | 91   | 207792   | 20.385  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.124 | 91   | 131275   | 20.182  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.171 | 105  | 151390   | 21.094  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 19064    | 19.418  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 13.218 | 91   | 133461   | 20.382  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.435 | 119  | 124415   | 19.505  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 156834   | 21.693  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.612 | 105  | 175303   | 20.595  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 144465   | 20.525  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 85390    | 21.448  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 84196    | 20.942  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.053 | 91   | 118343   | 18.542  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.329 | 117  | 28333    | 19.831  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 14.100 | 146  | 81885    | 20.976  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.718 | 75   | 11735    | 21.495  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 39496    | 20.540  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.494 | 225  | 18741    | 19.544  | ug/l   | 97       |
| 95) Naphthalene               | 15.641 | 128  | 113914   | 17.870  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 39635    | 20.592  | ug/l   | 96       |

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Sample : VN1029WBS01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1029WBS01

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024  
Supervised By :Mahesh Dadoda 10/30/2024

Quant Time: Oct 30 04:58:44 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

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