

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN123024\  
 Data File : VN085342.D  
 Acq On : 30 Dec 2024 13:50  
 Operator : JC\MD  
 Sample : VN1230WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1230WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 12/31/2024  
 Supervised By : Mahesh Dadoda 12/31/2024

Quant Time: Dec 31 02:12:12 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122724W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Dec 28 01:36:16 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 172604   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 306320   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 265813   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 121453   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 127882   | 51.946   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 103.900% |
| 35) Dibromofluoromethane    | 8.165  | 113   | 98814    | 51.708   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 103.420% |
| 50) Toluene-d8              | 10.565 | 98    | 355512   | 50.697   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 101.400% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 119938   | 51.500   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 103.000% |

|                              |       |     |        |         |        |        |
|------------------------------|-------|-----|--------|---------|--------|--------|
| Target Compounds             |       |     |        |         |        | Qvalue |
| 2) Dichlorodifluoromethane   | 2.124 | 85  | 49030  | 21.004  | ug/l   | 99     |
| 3) Chloromethane             | 2.360 | 50  | 47340  | 18.044  | ug/l   | 98     |
| 4) Vinyl Chloride            | 2.507 | 62  | 49334  | 17.780  | ug/l   | 94     |
| 5) Bromomethane              | 2.954 | 94  | 29817  | 16.431  | ug/l   | 96     |
| 6) Chloroethane              | 3.118 | 64  | 32637  | 18.547  | ug/l   | 91     |
| 7) Trichlorofluoromethane    | 3.495 | 101 | 70522  | 19.335  | ug/l   | 99     |
| 8) Diethyl Ether             | 3.959 | 74  | 24409  | 20.211  | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluo... | 4.365 | 101 | 40033  | 19.289  | ug/l   | 96     |
| 10) Methyl Iodide            | 4.589 | 142 | 45891  | 19.107  | ug/l   | 93     |
| 11) Tert butyl alcohol       | 5.524 | 59  | 38153  | 123.764 | ug/l   | 99     |
| 12) 1,1-Dichloroethene       | 4.336 | 96  | 37143  | 19.365  | ug/l   | 95     |
| 13) Acrolein                 | 4.177 | 56  | 53895  | 112.137 | ug/l   | 97     |
| 14) Allyl chloride           | 5.024 | 41  | 58689  | 19.118  | ug/l   | 97     |
| 15) Acrylonitrile            | 5.718 | 53  | 113839 | 117.330 | ug/l   | 100    |
| 16) Acetone                  | 4.424 | 43  | 97486  | 120.425 | ug/l   | 93     |
| 17) Carbon Disulfide         | 4.712 | 76  | 104135 | 17.846  | ug/l   | 98     |
| 18) Methyl Acetate           | 5.024 | 43  | 60631  | 24.464  | ug/l   | 97     |
| 19) Methyl tert-butyl Ether  | 5.795 | 73  | 126387 | 20.273  | ug/l   | 94     |
| 20) Methylene Chloride       | 5.271 | 84  | 44002  | 20.208  | ug/l   | 94     |
| 21) trans-1,2-Dichloroethene | 5.783 | 96  | 39108  | 19.518  | ug/l   | 92     |
| 22) Diisopropyl ether        | 6.671 | 45  | 139867 | 21.143  | ug/l   | 95     |
| 23) Vinyl Acetate            | 6.606 | 43  | 510619 | 106.700 | ug/l   | 100    |
| 24) 1,1-Dichloroethane       | 6.565 | 63  | 80354  | 20.165  | ug/l   | 97     |
| 25) 2-Butanone               | 7.483 | 43  | 152904 | 121.751 | ug/l   | 96     |
| 26) 2,2-Dichloropropane      | 7.483 | 77  | 69163  | 19.811  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene   | 7.483 | 96  | 46582  | 19.808  | ug/l   | 97     |
| 28) Bromochloromethane       | 7.812 | 49  | 36810  | 19.878  | ug/l # | 99     |
| 29) Tetrahydrofuran          | 7.841 | 42  | 102001 | 126.087 | ug/l   | 98     |
| 30) Chloroform               | 7.959 | 83  | 81221  | 19.923  | ug/l   | 99     |
| 31) Cyclohexane              | 8.253 | 56  | 67693  | 18.603  | ug/l   | 95     |
| 32) 1,1,1-Trichloroethane    | 8.171 | 97  | 70492  | 19.361  | ug/l   | 96     |
| 36) 1,1-Dichloropropene      | 8.371 | 75  | 54180  | 19.364  | ug/l   | 97     |
| 37) Ethyl Acetate            | 7.559 | 43  | 60918  | 21.905  | ug/l   | 99     |
| 38) Carbon Tetrachloride     | 8.365 | 117 | 61424  | 20.140  | ug/l   | 98     |
| 39) Methylcyclohexane        | 9.600 | 83  | 53570  | 18.453  | ug/l   | 94     |
| 40) Benzene                  | 8.606 | 78  | 173770 | 20.541  | ug/l   | 98     |

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 Sample : VN1230WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1230WBS01

Quant Time: Dec 31 02:12:12 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122724W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Dec 28 01:36:16 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 12/31/2024  
 Supervised By : Mahesh Dadoda 12/31/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.783  | 41   | 32966    | 23.146  | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 61776    | 20.368  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.688  | 43   | 106465   | 23.249  | ug/l   | 96       |
| 44) Trichloroethene           | 9.353  | 130  | 37524    | 18.735  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.618  | 63   | 43629    | 20.316  | ug/l   | 98       |
| 46) Dibromomethane            | 9.712  | 93   | 29817    | 19.964  | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.888  | 83   | 63969    | 20.607  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.683  | 41   | 46252    | 23.277  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 16826    | 561.246 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43   | 320451   | 124.525 | ug/l   | 100      |
| 52) Toluene                   | 10.630 | 92   | 103870   | 20.621  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 61014    | 19.987  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 67869    | 20.560  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 11.012 | 97   | 38701    | 20.350  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.871 | 69   | 60083    | 21.693  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 11.159 | 76   | 70040    | 20.984  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 132204   | 98.657  | ug/l   | 98       |
| 59) 2-Hexanone                | 11.194 | 43   | 234690   | 131.447 | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.359 | 129  | 45645    | 21.309  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.465 | 107  | 38890    | 20.670  | ug/l   | 100      |
| 64) Tetrachloroethene         | 11.100 | 164  | 32985    | 19.584  | ug/l   | 93       |
| 65) Chlorobenzene             | 11.888 | 112  | 110499   | 19.237  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 39059    | 20.260  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 187071   | 19.583  | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.071 | 106  | 143945   | 41.175  | ug/l   | 100      |
| 69) o-Xylene                  | 12.400 | 106  | 67651    | 20.004  | ug/l   | 97       |
| 70) Styrene                   | 12.412 | 104  | 114350   | 20.863  | ug/l   | 99       |
| 71) Bromoform                 | 12.576 | 173  | 30332    | 22.716  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.694 | 105  | 170761   | 19.552  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 85839    | 22.961  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 62480    | 22.462  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 50554m   | 22.290  | ug/l   |          |
| 77) Bromobenzene              | 12.982 | 156  | 42023    | 19.421  | ug/l   | 97       |
| 78) n-propylbenzene           | 13.035 | 91   | 206879   | 20.321  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.124 | 91   | 129844   | 20.265  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.171 | 105  | 144767   | 20.492  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 20933m   | 22.104  | ug/l   |          |
| 82) 4-Chlorotoluene           | 13.218 | 91   | 128775   | 19.956  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.435 | 119  | 116840   | 19.093  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 142335   | 20.234  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 168287   | 19.812  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 135284   | 18.609  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 78612    | 20.041  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 75063    | 18.629  | ug/l   | 96       |
| 89) n-Butylbenzene            | 14.053 | 91   | 112702   | 18.119  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.329 | 117  | 28444    | 20.429  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 72744    | 19.467  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.718 | 75   | 11616    | 23.464  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 33209    | 17.807  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 16094    | 17.369  | ug/l   | 98       |
| 95) Naphthalene               | 15.641 | 128  | 109980   | 17.391  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 32933    | 17.674  | ug/l   | 98       |

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Sample : VN1230WBS01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1230WBS01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 12/31/2024  
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Quant Time: Dec 31 02:12:12 2024  
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Quant Title : SW846 8260  
QLast Update : Sat Dec 28 01:36:16 2024  
Response via : Initial Calibration

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

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

