

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111824\  
 Data File : VN084919.D  
 Acq On : 18 Nov 2024 14:52  
 Operator : JC\MD  
 Sample : VN1118WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1118WBS01

Quant Time: Nov 19 00:26:20 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 31 18:45:38 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 11/19/2024  
 Supervised By : Mahesh Dadoda 11/19/2024

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.224          | 168  | 184217              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.094          | 114  | 316400              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865         | 117  | 286519              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.788         | 152  | 143055              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.577          | 65   | 135870              | 51.065  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 102.140% |         |        |          |
| 35) Dibromofluoromethane     | 8.165          | 113  | 110681              | 51.680  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 103.360% |         |        |          |
| 50) Toluene-d8               | 10.565         | 98   | 402974              | 51.080  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 102.160% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.847         | 95   | 166876              | 56.598  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 113.200% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.124          | 85   | 42121               | 19.890  | ug/l   | 90       |
| 3) Chloromethane             | 2.359          | 50   | 47444               | 17.452  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.512          | 62   | 46824               | 20.557  | ug/l   | 97       |
| 5) Bromomethane              | 2.901          | 94   | 24102               | 19.972  | ug/l   | 94       |
| 6) Chloroethane              | 3.077          | 64   | 31558               | 21.590  | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.471          | 101  | 80182               | 21.370  | ug/l   | 94       |
| 8) Diethyl Ether             | 3.953          | 74   | 29207               | 22.067  | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 4.359          | 101  | 45621               | 21.518  | ug/l   | 98       |
| 10) Methyl Iodide            | 4.583          | 142  | 63057               | 22.254  | ug/l   | 96       |
| 11) Tert butyl alcohol       | 5.542          | 59   | 36832               | 104.873 | ug/l # | 92       |
| 12) 1,1-Dichloroethene       | 4.324          | 96   | 43818               | 20.887  | ug/l   | 96       |
| 13) Acrolein                 | 4.177          | 56   | 29221               | 83.438  | ug/l   | 98       |
| 14) Allyl chloride           | 5.018          | 41   | 74004               | 21.752  | ug/l   | 93       |
| 15) Acrylonitrile            | 5.718          | 53   | 111576              | 109.740 | ug/l   | 99       |
| 16) Acetone                  | 4.430          | 43   | 90638               | 116.405 | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.700          | 76   | 115971              | 17.951  | ug/l   | 97       |
| 18) Methyl Acetate           | 5.012          | 43   | 58892               | 18.458  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.794          | 73   | 148772              | 23.137  | ug/l   | 99       |
| 20) Methylene Chloride       | 5.271          | 84   | 50141               | 21.426  | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 5.783          | 96   | 44573               | 20.692  | ug/l   | 94       |
| 22) Diisopropyl ether        | 6.671          | 45   | 155190              | 22.957  | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.600          | 43   | 538631              | 115.539 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.565          | 63   | 87796               | 21.632  | ug/l   | 99       |
| 25) 2-Butanone               | 7.483          | 43   | 145054              | 116.856 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.488          | 77   | 81900               | 23.185  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.483          | 96   | 55571               | 22.093  | ug/l   | 99       |
| 28) Bromochloromethane       | 7.806          | 49   | 41663               | 25.765  | ug/l   | 94       |
| 29) Tetrahydrofuran          | 7.835          | 42   | 93553               | 113.604 | ug/l   | 97       |
| 30) Chloroform               | 7.965          | 83   | 90863               | 21.996  | ug/l   | 97       |
| 31) Cyclohexane              | 8.253          | 56   | 77465               | 21.088  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 8.165          | 97   | 85105               | 22.635  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.371          | 75   | 62015               | 20.879  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.559          | 43   | 61783               | 22.926  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.353          | 117  | 71604               | 21.568  | ug/l   | 95       |
| 39) Methylcyclohexane        | 9.600          | 83   | 68762               | 22.756  | ug/l   | 97       |
| 40) Benzene                  | 8.606          | 78   | 202210              | 21.199  | ug/l   | 97       |

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 Sample : VN1118WBS01  
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 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
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Quant Time: Nov 19 00:26:20 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 31 18:45:38 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 11/19/2024  
 Supervised By :Mahesh Dadoda 11/19/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.783  | 41   | 35079    | 24.206  | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 8.665  | 62   | 67653    | 21.900  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 106413   | 20.811  | ug/l   | 98       |
| 44) Trichloroethene           | 9.347  | 130  | 44723    | 20.330  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.618  | 63   | 49559    | 22.148  | ug/l   | 95       |
| 46) Dibromomethane            | 9.706  | 93   | 34999    | 22.166  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.888  | 83   | 72576    | 21.806  | ug/l # | 99       |
| 48) Methyl methacrylate       | 9.677  | 41   | 49516    | 23.609  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 17599    | 473.526 | ug/l # | 80       |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43   | 310382   | 120.819 | ug/l   | 99       |
| 52) Toluene                   | 10.629 | 92   | 127267   | 22.813  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 72850    | 21.146  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 79743    | 21.870  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 11.012 | 97   | 48782    | 23.214  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.871 | 69   | 77810    | 25.599  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 83513    | 23.156  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 147900   | 103.983 | ug/l   | 98       |
| 59) 2-Hexanone                | 11.194 | 43   | 237409   | 126.962 | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.359 | 129  | 53979    | 22.538  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 47442    | 22.046  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.100 | 164  | 38917    | 20.420  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.888 | 112  | 137913   | 21.515  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 50033    | 22.441  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.959 | 91   | 243830   | 22.789  | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.070 | 106  | 182998   | 45.177  | ug/l   | 100      |
| 69) o-Xylene                  | 12.394 | 106  | 93162    | 24.585  | ug/l   | 97       |
| 70) Styrene                   | 12.412 | 104  | 152817   | 23.118  | ug/l   | 99       |
| 71) Bromoform                 | 12.576 | 173  | 36555    | 21.789  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.694 | 105  | 231596   | 23.102  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 97530    | 22.858  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 68716    | 20.536  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 58978m   | 20.625  | ug/l   |          |
| 77) Bromobenzene              | 12.976 | 156  | 55291    | 20.516  | ug/l   | 96       |
| 78) n-propylbenzene           | 13.035 | 91   | 267365   | 22.759  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 172382   | 22.457  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 197081   | 23.719  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 25030    | 20.766  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 13.217 | 91   | 168657   | 20.878  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.435 | 119  | 174830   | 25.424  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 201379   | 23.483  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.612 | 105  | 233308   | 24.019  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 199253   | 25.012  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 101999   | 19.393  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 100169   | 20.077  | ug/l   | 100      |
| 89) n-Butylbenzene            | 14.053 | 91   | 171934   | 23.073  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.335 | 117  | 35291    | 19.865  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 101580   | 20.099  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 13208    | 19.484  | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 52915    | 19.128  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 24159    | 19.887  | ug/l   | 99       |
| 95) Naphthalene               | 15.635 | 128  | 181901   | 21.968  | ug/l # | 97       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 52253    | 19.459  | ug/l   | 97       |

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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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VN1118WBS01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/19/2024  
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Quant Time: Nov 19 00:26:20 2024  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
| -----    |      |      |          |      |       |          |

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

