

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091424\  
 Data File : VN083902.D  
 Acq On : 14 Sep 2024 19:56  
 Operator : JC\MD  
 Sample : P3886-02MS  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-06-6.5-090624MS

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 09/16/2024  
 Supervised By : Mahesh Dadoda 09/16/2024

Quant Time: Sep 16 01:41:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 11 15:18:56 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 8.224          | 168  | 155376     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.100          | 114  | 277179     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865         | 117  | 244709     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.788         | 152  | 118234     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.577          | 65   | 116555     | 49.749   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 99.500%  |        |          |
| 35) Dibromofluoromethane     | 8.171          | 113  | 84036      | 47.359   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 94.720%  |        |          |
| 50) Toluene-d8               | 10.565         | 98   | 293168     | 47.791   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 95.580%  |        |          |
| 62) 4-Bromofluorobenzene     | 12.847         | 95   | 114658     | 45.303   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 90.600%  |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.124          | 85   | 79745      | 44.194   | ug/l   | 98       |
| 3) Chloromethane             | 2.360          | 50   | 83251      | 44.995   | ug/l   | 94       |
| 4) Vinyl Chloride            | 2.513          | 62   | 94937      | 48.000   | ug/l   | 99       |
| 5) Bromomethane              | 2.948          | 94   | 46403      | 40.862   | ug/l   | 97       |
| 6) Chloroethane              | 3.118          | 64   | 56946      | 41.046   | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 3.495          | 101  | 143990     | 42.889   | ug/l   | 98       |
| 8) Diethyl Ether             | 3.960          | 74   | 47832      | 42.502   | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371          | 101  | 9268007    | 5208.232 | ug/l   | 96       |
| 10) Methyl Iodide            | 4.589          | 142  | 85411      | 37.739   | ug/l   | 94       |
| 11) Tert butyl alcohol       | 5.530          | 59   | 71446      | 227.731  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 4.342          | 96   | 171347     | 101.959  | ug/l   | 96       |
| 13) Acrolein                 | 4.177          | 56   | 71372      | 230.569  | ug/l   | 96       |
| 14) Allyl chloride           | 5.024          | 41   | 121274     | 40.499   | ug/l   | 93       |
| 15) Acrylonitrile            | 5.718          | 53   | 193359     | 226.630  | ug/l   | 99       |
| 16) Acetone                  | 4.424          | 43   | 180740     | 192.442  | ug/l   | 95       |
| 17) Carbon Disulfide         | 4.712          | 76   | 195440     | 41.574   | ug/l   | 100      |
| 18) Methyl Acetate           | 5.030          | 43   | 86332      | 43.891   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.795          | 73   | 263725     | 43.366   | ug/l   | 99       |
| 20) Methylene Chloride       | 5.277          | 84   | 100992     | 52.547   | ug/l   | 92       |
| 21) trans-1,2-Dichloroethene | 5.789          | 96   | 79172      | 43.959   | ug/l   | 89       |
| 22) Diisopropyl ether        | 6.671          | 45   | 275666     | 44.720   | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.606          | 43   | 941024     | 208.458  | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.565          | 63   | 165805     | 46.687   | ug/l   | 98       |
| 25) 2-Butanone               | 7.483          | 43   | 271110     | 219.626  | ug/l   | 91       |
| 26) 2,2-Dichloropropane      | 7.489          | 77   | 116193     | 35.527   | ug/l # | 10       |
| 27) cis-1,2-Dichloroethene   | 7.489          | 96   | 1361384    | 636.757  | ug/l   | 92       |
| 28) Bromochloromethane       | 7.812          | 49   | 73506      | 49.149   | ug/l   | 96       |
| 29) Tetrahydrofuran          | 7.842          | 42   | 177417     | 243.070  | ug/l   | 98       |
| 30) Chloroform               | 7.965          | 83   | 179854     | 47.703   | ug/l   | 97       |
| 31) Cyclohexane              | 8.253          | 56   | 135249     | 39.943   | ug/l   | 92       |
| 32) 1,1,1-Trichloroethane    | 8.171          | 97   | 211369     | 60.969   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.371          | 75   | 114910     | 43.024   | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.559          | 43   | 102501     | 42.280   | ug/l # | 80       |
| 38) Carbon Tetrachloride     | 8.365          | 117  | 131015     | 43.239   | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.606          | 83   | 122026     | 40.139   | ug/l   | 100      |
| 40) Benzene                  | 8.606          | 78   | 368168     | 45.799   | ug/l   | 99       |

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 Sample : P3886-02MS  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-06-6.5-090624MS

Quant Time: Sep 16 01:41:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 11 15:18:56 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 09/16/2024  
 Supervised By :Mahesh Dadoda 09/16/2024

| Compound                      | R.T.   | QIon | Response  | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|-----------|-----------|--------|----------|
| 41) Methacrylonitrile         | 7.777  | 41   | 63298     | 44.145    | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 139472    | 46.431    | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.689  | 43   | 193063    | 43.946    | ug/l   | 98       |
| 44) Trichloroethene           | 9.347  | 130  | 29536731m | 15866.465 | ug/l   |          |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 81165     | 41.774    | ug/l   | 99       |
| 46) Dibromomethane            | 9.706  | 93   | 59071     | 43.406    | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.889  | 83   | 133328    | 45.269    | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.683  | 41   | 92514     | 44.386    | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 27926     | 814.453   | ug/l # | 99       |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43   | 560560    | 234.403   | ug/l   | 97       |
| 52) Toluene                   | 10.630 | 92   | 214605    | 43.644    | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.836 | 75   | 132840    | 44.497    | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 134828    | 42.995    | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 91366     | 49.771    | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.871 | 69   | 133650    | 47.321    | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 11.159 | 76   | 138489    | 43.895    | ug/l   | 99       |
| 59) 2-Hexanone                | 11.194 | 43   | 411766    | 232.768   | ug/l   | 96       |
| 60) Dibromochloromethane      | 11.359 | 129  | 96883     | 47.158    | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 80817     | 44.144    | ug/l   | 100      |
| 64) Tetrachloroethene         | 11.106 | 164  | 220482    | 135.484   | ug/l   | 99       |
| 65) Chlorobenzene             | 11.888 | 112  | 232169    | 42.688    | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 83746     | 44.417    | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.965 | 91   | 424209    | 43.907    | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.071 | 106  | 312428    | 87.100    | ug/l   | 99       |
| 69) o-Xylene                  | 12.400 | 106  | 150204    | 43.256    | ug/l   | 98       |
| 70) Styrene                   | 12.412 | 104  | 258803    | 45.413    | ug/l   | 99       |
| 71) Bromoform                 | 12.577 | 173  | 61927     | 48.740    | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.694 | 105  | 392144    | 42.870    | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 170768    | 43.756    | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 114486    | 42.597    | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 94772m    | 39.725    | ug/l   |          |
| 77) Bromobenzene              | 12.983 | 156  | 92145     | 41.849    | ug/l   | 99       |
| 78) n-propylbenzene           | 13.035 | 91   | 468860    | 44.053    | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.124 | 91   | 287597    | 42.371    | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 13.171 | 105  | 329886    | 42.775    | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 37694     | 41.381    | ug/l   | 85       |
| 82) 4-Chlorotoluene           | 13.224 | 91   | 296710    | 43.561    | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.435 | 119  | 285111    | 42.256    | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 333718    | 43.078    | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 390050    | 43.589    | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.730 | 119  | 328241    | 43.759    | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 171852    | 41.356    | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 177666    | 42.224    | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.053 | 91   | 289780    | 43.027    | ug/l   | 99       |
| 90) Hexachloroethane          | 14.329 | 117  | 61150     | 40.554    | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 161782    | 40.340    | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.718 | 75   | 23459     | 43.786    | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 79995     | 37.171    | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 33390     | 36.534    | ug/l   | 98       |
| 95) Naphthalene               | 15.635 | 128  | 267367    | 40.836    | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 79527     | 38.666    | ug/l   | 99       |

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ALS Vial : 25 Sample Multiplier: 1

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MSVOA\_N  
ClientSampleId :  
MW-06-6.5-090624MS

Manual Integrations  
APPROVED

Reviewed By :John Carlone 09/16/2024  
Supervised By :Mahesh Dadoda 09/16/2024

Quant Time: Sep 16 01:41:29 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 11 15:18:56 2024  
Response via : Initial Calibration

| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

