

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110724\  
 Data File : VN084719.D  
 Acq On : 07 Nov 2024 13:34  
 Operator : JC\MD  
 Sample : VN1107MBS01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1107MBS01

Quant Time: Nov 08 00:24:54 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 :Semsettin Yesilyurt 11/08/2024  
 Supervised By :Mahesh Dadoda 11/08/2024

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 187169   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 306399   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 282379   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 143946   | 50.000 | ug/l  | 0.00     |

#### System Monitoring Compounds

|                           |        |       |          |          |      |          |
|---------------------------|--------|-------|----------|----------|------|----------|
| 33) 1,2-Dichloroethane-d4 | 8.577  | 65    | 123293   | 45.607   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 74 - 125 | Recovery | =    | 91.220%  |
| 35) Dibromofluoromethane  | 8.165  | 113   | 98553    | 47.519   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 95.040%  |
| 50) Toluene-d8            | 10.565 | 98    | 362031   | 47.388   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 86 - 113 | Recovery | =    | 94.780%  |
| 62) 4-Bromofluorobenzene  | 12.847 | 95    | 143968   | 50.423   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 77 - 121 | Recovery | =    | 100.840% |

#### Target Compounds

|                              |       |     |        |         |      | Qvalue |
|------------------------------|-------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 2.124 | 85  | 42801  | 19.892  | ug/l | 96     |
| 3) Chloromethane             | 2.365 | 50  | 46590  | 16.779  | ug/l | 100    |
| 4) Vinyl Chloride            | 2.512 | 62  | 45416  | 19.625  | ug/l | 97     |
| 5) Bromomethane              | 2.901 | 94  | 24309  | 19.825  | ug/l | 93     |
| 6) Chloroethane              | 3.083 | 64  | 30222  | 20.268  | ug/l | 95     |
| 7) Trichlorofluoromethane    | 3.471 | 101 | 75236  | 19.736  | ug/l | 94     |
| 8) Diethyl Ether             | 3.953 | 74  | 26962  | 20.049  | ug/l | 96     |
| 9) 1,1,2-Trichlorotrifluo... | 4.365 | 101 | 44713  | 20.757  | ug/l | 96     |
| 10) Methyl Iodide            | 4.577 | 142 | 59314  | 20.603  | ug/l | 94     |
| 11) Tert butyl alcohol       | 5.530 | 59  | 35477  | 99.421  | ug/l | 97     |
| 12) 1,1-Dichloroethene       | 4.330 | 96  | 40859  | 19.169  | ug/l | 97     |
| 13) Acrolein                 | 4.177 | 56  | 23580  | 66.268  | ug/l | 98     |
| 14) Allyl chloride           | 5.018 | 41  | 66542  | 19.250  | ug/l | 94     |
| 15) Acrylonitrile            | 5.712 | 53  | 108641 | 105.168 | ug/l | 97     |
| 16) Acetone                  | 4.424 | 43  | 92787  | 117.307 | ug/l | 98     |
| 17) Carbon Disulfide         | 4.700 | 76  | 112236 | 17.099  | ug/l | 98     |
| 18) Methyl Acetate           | 5.024 | 43  | 54855  | 16.561  | ug/l | 99     |
| 19) Methyl tert-butyl Ether  | 5.789 | 73  | 136952 | 20.963  | ug/l | 99     |
| 20) Methylene Chloride       | 5.271 | 84  | 48462  | 20.382  | ug/l | 87     |
| 21) trans-1,2-Dichloroethene | 5.777 | 96  | 41656  | 19.033  | ug/l | 96     |
| 22) Diisopropyl ether        | 6.671 | 45  | 143876 | 20.947  | ug/l | 97     |
| 23) Vinyl Acetate            | 6.600 | 43  | 499031 | 105.356 | ug/l | 98     |
| 24) 1,1-Dichloroethane       | 6.559 | 63  | 83392  | 20.223  | ug/l | 100    |
| 25) 2-Butanone               | 7.477 | 43  | 133221 | 105.630 | ug/l | 99     |
| 26) 2,2-Dichloropropane      | 7.483 | 77  | 73712  | 20.538  | ug/l | 97     |
| 27) cis-1,2-Dichloroethene   | 7.483 | 96  | 51566  | 20.178  | ug/l | 97     |
| 28) Bromochloromethane       | 7.806 | 49  | 41539  | 25.284  | ug/l | 94     |
| 29) Tetrahydrofuran          | 7.836 | 42  | 87427  | 104.490 | ug/l | 96     |
| 30) Chloroform               | 7.959 | 83  | 88977  | 21.199  | ug/l | 96     |
| 31) Cyclohexane              | 8.253 | 56  | 73202  | 19.613  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane    | 8.165 | 97  | 80039  | 20.952  | ug/l | 96     |
| 36) 1,1-Dichloropropene      | 8.365 | 75  | 59508  | 20.689  | ug/l | 99     |
| 37) Ethyl Acetate            | 7.559 | 43  | 54430  | 20.857  | ug/l | 97     |
| 38) Carbon Tetrachloride     | 8.359 | 117 | 69087  | 21.489  | ug/l | 98     |
| 39) Methylcyclohexane        | 9.594 | 83  | 59810  | 20.440  | ug/l | 97     |
| 40) Benzene                  | 8.600 | 78  | 191149 | 20.693  | ug/l | 99     |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
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Quant Time: Nov 08 00:24:54 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 :Semsettin Yesilyurt 11/08/2024  
 Supervised By :Mahesh Dadoda 11/08/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.771  | 41   | 29932    | 21.329  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 63815    | 21.332  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 97626    | 19.664  | ug/l   | 99       |
| 44) Trichloroethene           | 9.353  | 130  | 44376    | 20.831  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.618  | 63   | 45170    | 20.846  | ug/l   | 100      |
| 46) Dibromomethane            | 9.706  | 93   | 33187    | 21.705  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.882  | 83   | 69454    | 21.549  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.682  | 41   | 44848    | 22.081  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 15712    | 436.553 | ug/l # | 92       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 284375   | 114.308 | ug/l   | 98       |
| 52) Toluene                   | 10.629 | 92   | 117520   | 21.753  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 67026    | 20.090  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 73108    | 20.704  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 11.012 | 97   | 45157    | 22.190  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.871 | 69   | 68637    | 23.318  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 11.159 | 76   | 76331    | 21.856  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 127555   | 92.607  | ug/l   | 95       |
| 59) 2-Hexanone                | 11.194 | 43   | 211763   | 116.943 | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.359 | 129  | 53167    | 22.924  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 44505    | 21.356  | ug/l   | 98       |
| 64) Tetrachloroethene         | 11.100 | 164  | 37878    | 20.166  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.888 | 112  | 127763   | 20.224  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 46698    | 21.252  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.965 | 91   | 217156   | 20.593  | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.071 | 106  | 169497   | 42.457  | ug/l   | 100      |
| 69) o-Xylene                  | 12.394 | 106  | 81792    | 21.901  | ug/l   | 99       |
| 70) Styrene                   | 12.412 | 104  | 142824   | 21.923  | ug/l   | 98       |
| 71) Bromoform                 | 12.576 | 173  | 36490    | 22.069  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.694 | 105  | 209311   | 20.750  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 83910    | 19.544  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 64944    | 19.288  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 61715m   | 21.448  | ug/l   |          |
| 77) Bromobenzene              | 12.982 | 156  | 52476    | 19.351  | ug/l   | 93       |
| 78) n-propylbenzene           | 13.035 | 91   | 242069   | 20.478  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 158006   | 20.457  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 181267   | 21.681  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 23028    | 18.986  | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 155843   | 19.173  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.435 | 119  | 150628   | 21.769  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 184217   | 21.349  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 204893   | 20.963  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 171341   | 21.375  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 97321    | 18.389  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 94418    | 18.746  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.059 | 91   | 135557   | 18.078  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.335 | 117  | 34643    | 19.379  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 95850    | 18.848  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 12915    | 18.934  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 46607    | 16.744  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 21225    | 17.364  | ug/l   | 97       |
| 95) Naphthalene               | 15.641 | 128  | 139027   | 16.687  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 44886    | 16.612  | ug/l   | 100      |

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Manual Integrations  
APPROVED

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Supervised By :Mahesh Dadoda 11/08/2024

Quant Time: Nov 08 00:24:54 2024  
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Quant Title : SW846 8260  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

