

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080824\  
 Data File : VN083156.D  
 Acq On : 08 Aug 2024 15:22  
 Operator : JC\MD  
 Sample : VN0808MBS01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0808MBS01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 08/09/2024  
 Supervised By :Semsettin Yesilyurt 08/09/2024

Quant Time: Aug 09 01:03:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N080724W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 08 06:30:41 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.224          | 168  | 189427              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.100          | 114  | 328066              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865         | 117  | 285131              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794         | 152  | 129683              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.577          | 65   | 145041              | 53.793  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 107.580% |         |        |          |
| 35) Dibromofluoromethane     | 8.165          | 113  | 106265              | 51.894  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 103.780% |         |        |          |
| 50) Toluene-d8               | 10.565         | 98   | 404850              | 53.001  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 106.000% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.847         | 95   | 155179              | 52.110  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 64 - 133 |      | Recovery = 104.220% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.124          | 85   | 42569               | 19.817  | ug/l   | 92       |
| 3) Chloromethane             | 2.360          | 50   | 42448               | 19.301  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.512          | 62   | 43234               | 19.266  | ug/l   | 96       |
| 5) Bromomethane              | 2.959          | 94   | 26426               | 18.978  | ug/l   | 95       |
| 6) Chloroethane              | 3.124          | 64   | 26640               | 18.975  | ug/l   | 90       |
| 7) Trichlorofluoromethane    | 3.501          | 101  | 76035               | 20.510  | ug/l   | 93       |
| 8) Diethyl Ether             | 3.959          | 74   | 26438               | 19.165  | ug/l   | 86       |
| 9) 1,1,2-Trichlorotrifluo... | 4.365          | 101  | 40192               | 19.664  | ug/l   | 98       |
| 10) Methyl Iodide            | 4.589          | 142  | 51907               | 19.306  | ug/l   | 93       |
| 11) Tert butyl alcohol       | 5.524          | 59   | 53286               | 95.096  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.342          | 96   | 39935               | 19.018  | ug/l   | 83       |
| 13) Acrolein                 | 4.183          | 56   | 39217               | 107.386 | ug/l   | 99       |
| 14) Allyl chloride           | 5.030          | 41   | 74263               | 18.715  | ug/l   | 89       |
| 15) Acrylonitrile            | 5.724          | 53   | 107701              | 93.457  | ug/l   | 99       |
| 16) Acetone                  | 4.430          | 43   | 96400               | 91.370  | ug/l   | 100      |
| 17) Carbon Disulfide         | 4.712          | 76   | 111581              | 18.160  | ug/l   | 99       |
| 18) Methyl Acetate           | 5.024          | 43   | 58940               | 18.750  | ug/l # | 91       |
| 19) Methyl tert-butyl Ether  | 5.795          | 73   | 150234              | 19.822  | ug/l   | 97       |
| 20) Methylene Chloride       | 5.277          | 84   | 44550               | 18.347  | ug/l # | 83       |
| 21) trans-1,2-Dichloroethene | 5.789          | 96   | 41268               | 19.015  | ug/l   | 89       |
| 22) Diisopropyl ether        | 6.671          | 45   | 146902              | 19.695  | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.600          | 43   | 761496m             | 99.602  | ug/l   |          |
| 24) 1,1-Dichloroethane       | 6.571          | 63   | 79263               | 19.496  | ug/l   | 98       |
| 25) 2-Butanone               | 7.483          | 43   | 151594              | 93.577  | ug/l   | 94       |
| 26) 2,2-Dichloropropane      | 7.494          | 77   | 67730               | 17.938  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.489          | 96   | 49281               | 18.818  | ug/l   | 93       |
| 28) Bromochloromethane       | 7.818          | 49   | 30772               | 18.520  | ug/l   | 87       |
| 29) Tetrahydrofuran          | 7.841          | 42   | 102633              | 98.005  | ug/l # | 88       |
| 30) Chloroform               | 7.965          | 83   | 84038               | 19.896  | ug/l   | 99       |
| 31) Cyclohexane              | 8.259          | 56   | 72808               | 18.222  | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 8.165          | 97   | 79876               | 19.978  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.371          | 75   | 59453               | 19.193  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.565          | 43   | 62729               | 18.086  | ug/l # | 97       |
| 38) Carbon Tetrachloride     | 8.365          | 117  | 68525               | 19.641  | ug/l   | 93       |
| 39) Methylcyclohexane        | 9.600          | 83   | 71313               | 18.743  | ug/l   | 98       |
| 40) Benzene                  | 8.606          | 78   | 181547              | 19.674  | ug/l   | 99       |

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 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
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 Quant Title : SW846 8260  
 QLast Update : Thu Aug 08 06:30:41 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.777  | 41   | 35515    | 18.009  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 67156    | 19.978  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 118905   | 18.345  | ug/l # | 96       |
| 44) Trichloroethene           | 9.353  | 130  | 42572    | 19.382  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 43951    | 20.065  | ug/l   | 100      |
| 46) Dibromomethane            | 9.706  | 93   | 31583    | 20.144  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.888  | 83   | 67287    | 19.113  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.683  | 41   | 53262    | 18.575  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 20515    | 396.571 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 325749   | 99.321  | ug/l   | 94       |
| 52) Toluene                   | 10.630 | 92   | 115467   | 19.804  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 71094    | 19.660  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 73485    | 19.105  | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 41142    | 19.690  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 75918    | 19.273  | ug/l   | 91       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 74196    | 19.922  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 146756   | 88.139  | ug/l   | 95       |
| 59) 2-Hexanone                | 11.194 | 43   | 244848   | 96.497  | ug/l   | 92       |
| 60) Dibromochloromethane      | 11.359 | 129  | 51678    | 20.456  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 11.465 | 107  | 42907    | 19.548  | ug/l   | 97       |
| 64) Tetrachloroethene         | 11.106 | 164  | 36264    | 19.204  | ug/l   | 94       |
| 65) Chlorobenzene             | 11.894 | 112  | 122350   | 19.417  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 43756    | 19.690  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.965 | 91   | 220517   | 19.077  | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.071 | 106  | 163982   | 37.872  | ug/l   | 95       |
| 69) o-Xylene                  | 12.400 | 106  | 82252    | 19.261  | ug/l   | 99       |
| 70) Styrene                   | 12.412 | 104  | 138632   | 19.328  | ug/l   | 98       |
| 71) Bromoform                 | 12.576 | 173  | 33826    | 20.093  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.694 | 105  | 210248   | 19.383  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 102291   | 19.279  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 60228    | 19.632  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 54405m   | 19.115  | ug/l   |          |
| 77) Bromobenzene              | 12.982 | 156  | 47437    | 19.687  | ug/l   | 94       |
| 78) n-propylbenzene           | 13.035 | 91   | 245749   | 19.676  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.124 | 91   | 157289   | 19.863  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.171 | 105  | 177977   | 19.598  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 23227    | 17.751  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 13.224 | 91   | 155011   | 19.515  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.435 | 119  | 160084   | 19.905  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 179052   | 19.565  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 212551   | 19.369  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 179048   | 19.761  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 85207    | 18.793  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 87063    | 19.047  | ug/l   | 97       |
| 89) n-Butylbenzene            | 14.059 | 91   | 149956   | 19.100  | ug/l   | 96       |
| 90) Hexachloroethane          | 14.335 | 117  | 33814    | 19.317  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 84459    | 19.250  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 14548    | 19.542  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 46508    | 18.921  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 20099    | 18.386  | ug/l   | 99       |
| 95) Naphthalene               | 15.641 | 128  | 167453   | 19.232  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 47113    | 19.371  | ug/l   | 97       |

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Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 08/09/2024  
Supervised By :Semsettin Yesilyurt 08/09/2024

Quant Time: Aug 09 01:03:43 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N080724W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 08 06:30:41 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

