

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110824\  
 Data File : VN084737.D  
 Acq On : 08 Nov 2024 09:39  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/09/2024  
 Supervised By :Mahesh Dadoda 11/11/2024

Quant Time: Nov 08 22:24:52 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

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.218  | 168  | 183021   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 298323   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 261810   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 135765   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.571  | 65    | 122973   | 46.520   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 93.040% |
| 35) Dibromofluoromethane    | 8.165  | 113   | 100644   | 49.841   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 99.680% |
| 50) Toluene-d8              | 10.565 | 98    | 370307   | 49.783   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 99.560% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 138983   | 49.994   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 99.980% |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.118 | 85  | 92598   | 44.011  | ug/l   | 96  |
| 3) Chloromethane             | 2.359 | 50  | 101929  | 40.824  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.512 | 62  | 100170  | 44.265  | ug/l   | 97  |
| 5) Bromomethane              | 2.900 | 94  | 52604   | 43.874  | ug/l   | 93  |
| 6) Chloroethane              | 3.071 | 64  | 65338   | 46.548  | ug/l   | 98  |
| 7) Trichlorofluoromethane    | 3.465 | 101 | 173596  | 46.569  | ug/l   | 98  |
| 8) Diethyl Ether             | 3.953 | 74  | 62208   | 47.307  | ug/l   | 96  |
| 9) 1,1,2-Trichlorotrifluo... | 4.347 | 101 | 100421  | 47.675  | ug/l   | 98  |
| 10) Methyl Iodide            | 4.577 | 142 | 133872  | 47.554  | ug/l   | 96  |
| 11) Tert butyl alcohol       | 5.536 | 59  | 92292   | 264.502 | ug/l   | 99  |
| 12) 1,1-Dichloroethene       | 4.324 | 96  | 93006   | 44.624  | ug/l   | 96  |
| 13) Acrolein                 | 4.171 | 56  | 83660   | 240.444 | ug/l   | 100 |
| 14) Allyl chloride           | 5.006 | 41  | 155453  | 45.991  | ug/l   | 94  |
| 15) Acrylonitrile            | 5.712 | 53  | 254557  | 252.005 | ug/l   | 100 |
| 16) Acetone                  | 4.424 | 43  | 217622  | 285.402 | ug/l   | 94  |
| 17) Carbon Disulfide         | 4.694 | 76  | 250866  | 39.085  | ug/l   | 97  |
| 18) Methyl Acetate           | 5.018 | 43  | 124668  | 44.235  | ug/l   | 95  |
| 19) Methyl tert-butyl Ether  | 5.794 | 73  | 327032  | 51.192  | ug/l   | 99  |
| 20) Methylene Chloride       | 5.265 | 84  | 106110  | 45.640  | ug/l   | 89  |
| 21) trans-1,2-Dichloroethene | 5.777 | 96  | 95494   | 44.620  | ug/l   | 94  |
| 22) Diisopropyl ether        | 6.671 | 45  | 324001  | 48.241  | ug/l   | 97  |
| 23) Vinyl Acetate            | 6.594 | 43  | 1174644 | 253.614 | ug/l   | 98  |
| 24) 1,1-Dichloroethane       | 6.559 | 63  | 188032  | 46.632  | ug/l   | 98  |
| 25) 2-Butanone               | 7.483 | 43  | 330172  | 267.725 | ug/l   | 96  |
| 26) 2,2-Dichloropropane      | 7.488 | 77  | 175211  | 49.924  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 7.483 | 96  | 118386  | 47.375  | ug/l   | 97  |
| 28) Bromochloromethane       | 7.812 | 49  | 85591   | 53.278  | ug/l   | 92  |
| 29) Tetrahydrofuran          | 7.835 | 42  | 214543  | 262.227 | ug/l   | 97  |
| 30) Chloroform               | 7.959 | 83  | 200430  | 48.836  | ug/l   | 99  |
| 31) Cyclohexane              | 8.253 | 56  | 154078  | 42.218  | ug/l   | 94  |
| 32) 1,1,1-Trichloroethane    | 8.165 | 97  | 180989  | 48.451  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 8.365 | 75  | 133944  | 47.829  | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.559 | 43  | 130931  | 51.530  | ug/l   | 98  |
| 38) Carbon Tetrachloride     | 8.359 | 117 | 157953  | 50.460  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.600 | 83  | 149896  | 52.613  | ug/l   | 98  |
| 40) Benzene                  | 8.600 | 78  | 425418  | 47.302  | ug/l   | 98  |

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 Sample : VSTDCCC050  
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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Nov 08 22:24:52 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

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 Supervised By :Mahesh Dadoda 11/11/2024

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.771  | 41   | 72885    | 53.342   | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.665  | 62   | 144374   | 49.567   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.682  | 43   | 224692   | 47.825   | ug/l   | 96       |
| 44) Trichloroethene           | 9.347  | 130  | 99881    | 48.155   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.618  | 63   | 104146   | 49.364   | ug/l   | 100      |
| 46) Dibromomethane            | 9.706  | 93   | 73439    | 49.331   | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.882  | 83   | 156706   | 49.937   | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.677  | 41   | 105291   | 53.245   | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 37425    | 1067.991 | ug/l # | 80       |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43   | 660493   | 272.681  | ug/l   | 98       |
| 52) Toluene                   | 10.629 | 92   | 267694   | 50.893   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 161582   | 49.744   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.306 | 75   | 173736   | 50.535   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 11.012 | 97   | 100973   | 50.961   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.871 | 69   | 163651   | 57.102   | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 11.159 | 76   | 172274   | 50.662   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 368650   | 274.890  | ug/l   | 96       |
| 59) 2-Hexanone                | 11.194 | 43   | 509612   | 289.044  | ug/l   | 97       |
| 60) Dibromochloromethane      | 11.359 | 129  | 121279   | 53.707   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.470 | 107  | 102488   | 50.512   | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.100 | 164  | 89341    | 51.302   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.888 | 112  | 283901   | 48.471   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 103384   | 50.745   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 507373   | 51.895   | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.070 | 106  | 383793   | 103.688  | ug/l   | 99       |
| 69) o-Xylene                  | 12.400 | 106  | 184608   | 53.315   | ug/l   | 99       |
| 70) Styrene                   | 12.412 | 104  | 319310   | 52.864   | ug/l   | 99       |
| 71) Bromoform                 | 12.576 | 173  | 82231    | 53.640   | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.694 | 105  | 476637   | 50.098   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 200629   | 49.546   | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 148221   | 46.674   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 119343m  | 43.975   | ug/l   |          |
| 77) Bromobenzene              | 12.976 | 156  | 118331   | 46.265   | ug/l   | 93       |
| 78) n-propylbenzene           | 13.035 | 91   | 560738   | 50.296   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 353328   | 48.502   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 412425   | 52.302   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 61265    | 53.556   | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 13.217 | 91   | 358231   | 46.727   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.435 | 119  | 338852   | 51.922   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 419220   | 51.510   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.612 | 105  | 477749   | 51.824   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 406434   | 53.758   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 223773   | 44.831   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 224268   | 48.971   | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.053 | 91   | 347239   | 49.100   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.335 | 117  | 75759    | 44.933   | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 222960   | 46.484   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 31339    | 48.712   | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 120654   | 45.957   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 54821    | 47.550   | ug/l   | 98       |
| 95) Naphthalene               | 15.641 | 128  | 388305   | 49.414   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 118192   | 46.377   | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
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VSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 11/09/2024  
Supervised By :Mahesh Dadoda 11/11/2024

Quant Time: Nov 08 22:24:52 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

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

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

