

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062724\  
 Data File : VN082732.D  
 Acq On : 27 Jun 2024 21:36  
 Operator : JC\MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC100

Quant Time: Jun 28 05:40:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062724W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 28 05:38:01 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/28/2024  
 Supervised By :Mahesh Dadoda 06/28/2024

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                        |                |      |                      |         |        |          |
| Internal Standards           |                |      |                      |         |        |          |
| 1) Pentafluorobenzene        | 8.230          | 168  | 94103                | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106          | 114  | 163934               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865         | 117  | 160042               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794         | 152  | 84983                | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.582          | 65   | 147023               | 101.311 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 202.620%# |         |        |          |
| 35) Dibromofluoromethane     | 8.171          | 113  | 113381               | 105.047 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 210.100%# |         |        |          |
| 50) Toluene-d8               | 10.571         | 98   | 457524               | 113.348 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 226.700%# |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.853         | 95   | 168765               | 102.248 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 64 - 133 |      | Recovery = 204.500%# |         |        |          |
| Target Compounds             |                |      |                      |         |        |          |
|                              |                |      |                      |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.124          | 85   | 130855               | 91.091  | ug/l   | 99       |
| 3) Chloromethane             | 2.359          | 50   | 126227               | 83.952  | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.512          | 62   | 155161               | 97.389  | ug/l   | 99       |
| 5) Bromomethane              | 2.924          | 94   | 96111                | 84.793  | ug/l   | 100      |
| 6) Chloroethane              | 3.100          | 64   | 114592               | 101.974 | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.489          | 101  | 179900               | 91.094  | ug/l   | 97       |
| 8) Diethyl Ether             | 3.959          | 74   | 63843                | 103.363 | ug/l   | 83       |
| 9) 1,1,2-Trichlorotrifluo... | 4.365          | 101  | 106734               | 94.733  | ug/l   | 96       |
| 10) Methyl Iodide            | 4.589          | 142  | 116760               | 113.020 | ug/l   | 98       |
| 11) Tert butyl alcohol       | 5.530          | 59   | 111498               | 481.003 | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 4.336          | 96   | 100926               | 96.031  | ug/l   | 88       |
| 13) Acrolein                 | 4.177          | 56   | 79046                | 533.082 | ug/l   | 100      |
| 14) Allyl chloride           | 5.018          | 41   | 151408               | 95.882  | ug/l # | 96       |
| 15) Acrylonitrile            | 5.724          | 53   | 309665               | 502.209 | ug/l   | 99       |
| 16) Acetone                  | 4.430          | 43   | 251680               | 457.744 | ug/l   | 95       |
| 17) Carbon Disulfide         | 4.712          | 76   | 309478               | 89.909  | ug/l   | 99       |
| 18) Methyl Acetate           | 5.024          | 43   | 136382               | 93.305  | ug/l   | 94       |
| 19) Methyl tert-butyl Ether  | 5.800          | 73   | 364815               | 104.692 | ug/l   | 99       |
| 20) Methylene Chloride       | 5.271          | 84   | 119422               | 99.369  | ug/l   | 88       |
| 21) trans-1,2-Dichloroethene | 5.789          | 96   | 114586               | 101.038 | ug/l   | 90       |
| 22) Diisopropyl ether        | 6.671          | 45   | 396869               | 108.028 | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.606          | 43   | 1613629              | 550.116 | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 6.571          | 63   | 222102               | 99.581  | ug/l   | 99       |
| 25) 2-Butanone               | 7.482          | 43   | 425573               | 504.718 | ug/l   | 92       |
| 26) 2,2-Dichloropropane      | 7.494          | 77   | 152257               | 106.403 | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 7.488          | 96   | 136415               | 102.231 | ug/l   | 90       |
| 28) Bromochloromethane       | 7.812          | 49   | 87654                | 89.853  | ug/l   | 89       |
| 29) Tetrahydrofuran          | 7.841          | 42   | 287875               | 531.461 | ug/l # | 87       |
| 30) Chloroform               | 7.965          | 83   | 234650               | 98.683  | ug/l   | 98       |
| 31) Cyclohexane              | 8.259          | 56   | 196325               | 96.015  | ug/l   | 93       |
| 32) 1,1,1-Trichloroethane    | 8.171          | 97   | 207429               | 98.803  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.371          | 75   | 167707               | 108.102 | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.565          | 43   | 177846               | 106.067 | ug/l # | 95       |
| 38) Carbon Tetrachloride     | 8.359          | 117  | 185148               | 102.041 | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.600          | 83   | 187566               | 116.450 | ug/l   | 93       |
| 40) Benzene                  | 8.606          | 78   | 527453               | 103.639 | ug/l   | 98       |

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 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC100

Quant Time: Jun 28 05:40:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062724W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 28 05:38:01 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/28/2024  
 Supervised By :Mahesh Dadoda 06/28/2024

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.782  | 41   | 93692    | 108.368  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 180110   | 98.553   | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 301920   | 100.615  | ug/l # | 93       |
| 44) Trichloroethene           | 9.353  | 130  | 117178   | 99.168   | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 126953   | 102.925  | ug/l   | 99       |
| 46) Dibromomethane            | 9.712  | 93   | 94251    | 104.613  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.888  | 83   | 191014   | 104.047  | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.682  | 41   | 140007   | 108.501  | ug/l # | 88       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 58834    | 2284.621 | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 966417   | 563.509  | ug/l   | 93       |
| 52) Toluene                   | 10.629 | 92   | 347142   | 116.161  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 200545   | 115.499  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 203473   | 111.462  | ug/l # | 87       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 124493   | 107.432  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.876 | 69   | 215080   | 101.337  | ug/l   | 86       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 219021   | 107.531  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 510412   | 581.310  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.200 | 43   | 738998   | 581.138  | ug/l   | 92       |
| 60) Dibromochloromethane      | 11.359 | 129  | 152645   | 108.614  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.470 | 107  | 128141   | 105.246  | ug/l   | 98       |
| 64) Tetrachloroethene         | 11.106 | 164  | 119075   | 99.322   | ug/l   | 99       |
| 65) Chlorobenzene             | 11.894 | 112  | 370298   | 103.144  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 130417   | 104.532  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 669929   | 113.071  | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.076 | 106  | 523382   | 201.116  | ug/l   | 97       |
| 69) o-Xylene                  | 12.400 | 106  | 250263   | 117.795  | ug/l   | 96       |
| 70) Styrene                   | 12.412 | 104  | 443861   | 101.000  | ug/l   | 98       |
| 71) Bromoform                 | 12.582 | 173  | 107553   | 110.230  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.694 | 105  | 652800   | 105.326  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.494 | 43   | 288578   | 104.317  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 186328   | 85.685   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 153343m  | 99.613   | ug/l   |          |
| 77) Bromobenzene              | 12.982 | 156  | 153060   | 99.372   | ug/l   | 100      |
| 78) n-propylbenzene           | 13.035 | 91   | 782587   | 106.935  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 463556   | 101.069  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 551707   | 108.361  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 74734    | 105.142  | ug/l   | 88       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 475604   | 105.086  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 465867   | 104.290  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 566956   | 112.664  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.617 | 105  | 667806   | 111.234  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 565068   | 100.992  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 299647   | 101.597  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 293460   | 95.597   | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.059 | 91   | 479292   | 112.527  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.335 | 117  | 107438   | 100.592  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 276257   | 98.624   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 39953    | 97.520   | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 142868   | 104.478  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 55448    | 89.644   | ug/l   | 98       |
| 95) Naphthalene               | 15.641 | 128  | 527739   | 116.197  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 149840   | 102.751  | ug/l   | 96       |

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Sample : VSTDICC100  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 06/28/2024  
Supervised By :Mahesh Dadoda 06/28/2024

Quant Time: Jun 28 05:40:05 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062724W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 28 05:38:01 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

