

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040324\  
 Data File : VN081664.D  
 Acq On : 03 Apr 2024 18:20  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 04/04/2024  
 Supervised By :Semsettin Yesilyurt 04/04/2024

Quant Time: Apr 04 05:00:22 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031824W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 19 06:00:00 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.224          | 168  | 409485              | 50.000  | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene      | 9.100          | 114  | 713970              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865         | 117  | 631640              | 50.000  | ug/l   | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4   | 13.794         | 152  | 302324              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.583          | 65   | 262160              | 50.203  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 100.400% |         |        |          |
| 35) Dibromofluoromethane     | 8.165          | 113  | 244184              | 54.192  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 108.380% |         |        |          |
| 50) Toluene-d8               | 10.571         | 98   | 829937              | 50.953  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 101.900% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.847         | 95   | 312951              | 54.527  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 64 - 133 |      | Recovery = 109.060% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.124          | 85   | 297310              | 53.922  | ug/l   | 94       |
| 3) Chloromethane             | 2.365          | 50   | 274499              | 50.003  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.518          | 62   | 301565              | 48.948  | ug/l # | 89       |
| 5) Bromomethane              | 2.948          | 94   | 198340              | 45.521  | ug/l   | 94       |
| 6) Chloroethane              | 3.124          | 64   | 200600              | 47.422  | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 3.501          | 101  | 492573              | 53.646  | ug/l   | 97       |
| 8) Diethyl Ether             | 3.965          | 74   | 166916              | 54.930  | ug/l   | 74       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371          | 101  | 278783              | 53.435  | ug/l # | 88       |
| 10) Methyl Iodide            | 4.589          | 142  | 339362              | 65.318  | ug/l   | 94       |
| 11) Tert butyl alcohol       | 5.518          | 59   | 238754              | 262.358 | ug/l # | 85       |
| 12) 1,1-Dichloroethene       | 4.342          | 96   | 268924              | 55.648  | ug/l   | 83       |
| 13) Acrolein                 | 4.177          | 56   | 168794              | 206.705 | ug/l   | 98       |
| 14) Allyl chloride           | 5.024          | 41   | 312129              | 51.544  | ug/l # | 87       |
| 15) Acrylonitrile            | 5.718          | 53   | 574714              | 236.064 | ug/l   | 98       |
| 16) Acetone                  | 4.424          | 43   | 366672              | 217.270 | ug/l   | 92       |
| 17) Carbon Disulfide         | 4.712          | 76   | 734384              | 52.956  | ug/l   | 96       |
| 18) Methyl Acetate           | 5.018          | 43   | 222233              | 42.713  | ug/l # | 82       |
| 19) Methyl tert-butyl Ether  | 5.794          | 73   | 832715              | 55.059  | ug/l   | 94       |
| 20) Methylene Chloride       | 5.277          | 84   | 285464              | 51.638  | ug/l # | 83       |
| 21) trans-1,2-Dichloroethene | 5.783          | 96   | 276725              | 51.357  | ug/l   | 89       |
| 22) Diisopropyl ether        | 6.671          | 45   | 737852              | 52.441  | ug/l # | 91       |
| 23) Vinyl Acetate            | 6.600          | 43   | 2975728             | 265.700 | ug/l # | 87       |
| 24) 1,1-Dichloroethane       | 6.565          | 63   | 477384              | 50.657  | ug/l   | 95       |
| 25) 2-Butanone               | 7.483          | 43   | 662733              | 228.952 | ug/l # | 84       |
| 26) 2,2-Dichloropropane      | 7.488          | 77   | 436962              | 53.460  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.483          | 96   | 331104              | 54.310  | ug/l   | 82       |
| 28) Bromochloromethane       | 7.812          | 49   | 147398              | 38.400  | ug/l # | 45       |
| 29) Tetrahydrofuran          | 7.836          | 42   | 456366              | 234.032 | ug/l # | 76       |
| 30) Chloroform               | 7.965          | 83   | 524768              | 52.016  | ug/l   | 99       |
| 31) Cyclohexane              | 8.259          | 56   | 419844              | 49.407  | ug/l # | 74       |
| 32) 1,1,1-Trichloroethane    | 8.165          | 97   | 493158              | 53.879  | ug/l # | 92       |
| 36) 1,1-Dichloropropene      | 8.371          | 75   | 369758              | 48.762  | ug/l   | 93       |
| 37) Ethyl Acetate            | 7.559          | 43   | 301088              | 46.370  | ug/l   | 94       |
| 38) Carbon Tetrachloride     | 8.365          | 117  | 434114              | 52.261  | ug/l   | 94       |
| 39) Methylcyclohexane        | 9.600          | 83   | 474757              | 56.064  | ug/l # | 82       |
| 40) Benzene                  | 8.606          | 78   | 1152417             | 51.983  | ug/l   | 98       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
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Reviewed By :Mahesh Dadoda 04/04/2024  
 Supervised By :Semsettin Yesilyurt 04/04/2024

Quant Time: Apr 04 05:00:22 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031824W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 19 06:00:00 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.777  | 41   | 166758   | 48.563  | ug/l   | 90       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 355341   | 45.546  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 523616   | 48.649  | ug/l # | 90       |
| 44) Trichloroethene           | 9.353  | 130  | 313713   | 50.314  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 261219   | 48.619  | ug/l   | 96       |
| 46) Dibromomethane            | 9.712  | 93   | 202050   | 49.520  | ug/l # | 87       |
| 47) Bromodichloromethane      | 9.888  | 83   | 417986   | 52.396  | ug/l # | 99       |
| 48) Methyl methacrylate       | 9.682  | 41   | 231020   | 46.535  | ug/l # | 79       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 109569   | 918.414 | ug/l # | 77       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 1520900  | 231.576 | ug/l   | 89       |
| 52) Toluene                   | 10.629 | 92   | 741392   | 52.616  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 434253   | 50.412  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 455989   | 49.372  | ug/l # | 85       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 271858   | 47.942  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 426329   | 50.453  | ug/l # | 79       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 458645   | 49.338  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 937831   | 262.838 | ug/l # | 82       |
| 59) 2-Hexanone                | 11.194 | 43   | 1112389  | 229.089 | ug/l   | 89       |
| 60) Dibromochloromethane      | 11.359 | 129  | 336644   | 53.981  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 290056   | 50.171  | ug/l   | 96       |
| 64) Tetrachloroethene         | 11.106 | 164  | 326691   | 54.109  | ug/l   | 94       |
| 65) Chlorobenzene             | 11.894 | 112  | 837291   | 56.074  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 289051   | 52.230  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.965 | 91   | 1426208  | 54.986  | ug/l   | 96       |
| 68) m/p-Xylenes               | 12.071 | 106  | 1123164  | 115.508 | ug/l   | 92       |
| 69) o-Xylene                  | 12.400 | 106  | 544406   | 57.030  | ug/l   | 91       |
| 70) Styrene                   | 12.412 | 104  | 911136   | 59.180  | ug/l   | 95       |
| 71) Bromoform                 | 12.582 | 173  | 221568   | 53.278  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.694 | 105  | 1404178  | 54.488  | ug/l   | 96       |
| 74) N-amyl acetate            | 12.494 | 43   | 470161   | 50.414  | ug/l # | 86       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 336567   | 44.420  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 316175m  | 43.721  | ug/l   |          |
| 77) Bromobenzene              | 12.982 | 156  | 330581   | 51.929  | ug/l   | 66       |
| 78) n-propylbenzene           | 13.035 | 91   | 1629004  | 53.527  | ug/l   | 94       |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 959662   | 52.686  | ug/l   | 90       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 1154664  | 54.247  | ug/l   | 94       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 154482   | 57.726  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 945921   | 52.674  | ug/l   | 91       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 1028389  | 56.028  | ug/l   | 91       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 1176363  | 54.988  | ug/l   | 93       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 1441978  | 54.955  | ug/l   | 92       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 1232430  | 57.459  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 616387   | 52.699  | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 613979   | 50.696  | ug/l   | 96       |
| 89) n-Butylbenzene            | 14.059 | 91   | 1035262  | 54.432  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.335 | 117  | 215628   | 53.083  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 587637   | 52.199  | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 69205    | 42.918  | ug/l   | 65       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 340613   | 52.328  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 128627   | 45.038  | ug/l   | 97       |
| 95) Naphthalene               | 15.641 | 128  | 1145482  | 54.309  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 340967   | 52.077  | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 04/04/2024  
Supervised By :Semsettin Yesilyurt 04/04/2024

Quant Time: Apr 04 05:00:22 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031824W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 19 06:00:00 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

