

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN043024\  
 Data File : VN081943.D  
 Acq On : 30 Apr 2024 20:04  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :John  
 Carlone

Quant Time: May 01 06:04:03 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042524W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 26 05:26:49 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.224  | 168   | 214556   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.100  | 114   | 419124   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865 | 117   | 365000   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794 | 152   | 157342   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.577  | 65    | 170895   | 47.194   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 94.380%  |
| 35) Dibromofluoromethane     | 8.165  | 113   | 127817   | 50.651   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 101.300% |
| 50) Toluene-d8               | 10.571 | 98    | 525717   | 53.045   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 106.080% |
| 62) 4-Bromofluorobenzene     | 12.847 | 95    | 181989   | 46.452   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 64 - 133 | Recovery | =      | 92.900%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.124  | 85    | 132641   | 44.040   | ug/l   | 95       |
| 3) Chloromethane             | 2.365  | 50    | 142386   | 45.317   | ug/l   | 95       |
| 4) Vinyl Chloride            | 2.518  | 62    | 138133   | 48.567   | ug/l   | 96       |
| 5) Bromomethane              | 2.954  | 94    | 59659    | 49.223   | ug/l   | 98       |
| 6) Chloroethane              | 3.124  | 64    | 76317    | 53.089   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.495  | 101   | 192421   | 43.735   | ug/l   | 97       |
| 8) Diethyl Ether             | 3.959  | 74    | 93029    | 49.775   | ug/l   | 90       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371  | 101   | 125940   | 49.304   | ug/l   | 96       |
| 10) Methyl Iodide            | 4.595  | 142   | 143334   | 64.066   | ug/l # | 90       |
| 11) Tert butyl alcohol       | 5.518  | 59    | 138191   | 209.924  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 4.342  | 96    | 129305   | 49.758   | ug/l   | 87       |
| 13) Acrolein                 | 4.177  | 56    | 111582   | 216.294  | ug/l   | 100      |
| 14) Allyl chloride           | 5.024  | 41    | 228670   | 41.600   | ug/l   | 89       |
| 15) Acrylonitrile            | 5.718  | 53    | 377400   | 238.753  | ug/l   | 97       |
| 16) Acetone                  | 4.430  | 43    | 258289   | 241.013  | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.712  | 76    | 340357   | 43.576   | ug/l   | 100      |
| 18) Methyl Acetate           | 5.024  | 43    | 174658   | 47.619   | ug/l   | 91       |
| 19) Methyl tert-butyl Ether  | 5.795  | 73    | 469166   | 47.846   | ug/l   | 99       |
| 20) Methylene Chloride       | 5.277  | 84    | 151424   | 48.795   | ug/l # | 84       |
| 21) trans-1,2-Dichloroethene | 5.783  | 96    | 130471   | 46.048   | ug/l   | 85       |
| 22) Diisopropyl ether        | 6.671  | 45    | 513620   | 48.288   | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.606  | 43    | 2018448m | 233.550  | ug/l   |          |
| 24) 1,1-Dichloroethane       | 6.571  | 63    | 274381   | 49.561   | ug/l   | 97       |
| 25) 2-Butanone               | 7.483  | 43    | 465921   | 226.696  | ug/l   | 89       |
| 26) 2,2-Dichloropropane      | 7.489  | 77    | 204197   | 40.095   | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.489  | 96    | 165907   | 50.109   | ug/l   | 91       |
| 28) Bromochloromethane       | 7.806  | 49    | 122746   | 46.649   | ug/l # | 82       |
| 29) Tetrahydrofuran          | 7.836  | 42    | 318835   | 216.327  | ug/l   | 92       |
| 30) Chloroform               | 7.965  | 83    | 257959   | 47.007   | ug/l   | 98       |
| 31) Cyclohexane              | 8.259  | 56    | 247341   | 45.342   | ug/l   | 93       |
| 32) 1,1,1-Trichloroethane    | 8.171  | 97    | 211900   | 43.299   | ug/l   | 94       |
| 36) 1,1-Dichloropropene      | 8.371  | 75    | 189616   | 46.187   | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.559  | 43    | 205178   | 46.224   | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 8.365  | 117   | 169686   | 42.290   | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.606  | 83    | 225700   | 45.268   | ug/l   | 94       |
| 40) Benzene                  | 8.606  | 78    | 609868   | 49.486   | ug/l   | 94       |

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 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
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 Carlone

Quant Time: May 01 06:04:03 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042524W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 26 05:26:49 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.783  | 41   | 111643   | 39.418  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 199308   | 43.552  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.688  | 43   | 402377   | 48.211  | ug/l # | 91       |
| 44) Trichloroethene           | 9.353  | 130  | 129328   | 45.515  | ug/l   | 89       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 157560   | 48.850  | ug/l   | 93       |
| 46) Dibromomethane            | 9.712  | 93   | 98393    | 44.137  | ug/l   | 91       |
| 47) Bromodichloromethane      | 9.888  | 83   | 211099   | 44.901  | ug/l # | 95       |
| 48) Methyl methacrylate       | 9.683  | 41   | 169379   | 42.511  | ug/l   | 90       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 57993    | 957.635 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 1049323  | 223.334 | ug/l   | 95       |
| 52) Toluene                   | 10.630 | 92   | 365253   | 49.490  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 225794   | 44.138  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 250473   | 47.507  | ug/l # | 88       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 135433   | 46.659  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 255939   | 46.307  | ug/l # | 86       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 249413   | 48.332  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 620838   | 246.573 | ug/l   | 91       |
| 59) 2-Hexanone                | 11.194 | 43   | 780181   | 223.126 | ug/l   | 96       |
| 60) Dibromochloromethane      | 11.359 | 129  | 143709   | 46.745  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 131303   | 47.304  | ug/l   | 98       |
| 64) Tetrachloroethene         | 11.106 | 164  | 112311   | 42.366  | ug/l   | 94       |
| 65) Chlorobenzene             | 11.894 | 112  | 384348   | 48.219  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 122394   | 47.247  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.965 | 91   | 694279   | 46.836  | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.071 | 106  | 512574   | 96.941  | ug/l   | 94       |
| 69) o-Xylene                  | 12.400 | 106  | 252112   | 48.838  | ug/l   | 93       |
| 70) Styrene                   | 12.412 | 104  | 433477   | 48.541  | ug/l   | 95       |
| 71) Bromoform                 | 12.576 | 173  | 86506    | 42.476  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.694 | 105  | 651046   | 46.539  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 336887   | 43.255  | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 193834   | 46.141  | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 176201m  | 43.191  | ug/l   |          |
| 77) Bromobenzene              | 12.982 | 156  | 133970   | 45.765  | ug/l   | 75       |
| 78) n-propylbenzene           | 13.035 | 91   | 776014   | 45.668  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 463342   | 42.858  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 533612   | 45.077  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 80378    | 40.373  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 461344   | 43.954  | ug/l   | 94       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 450016   | 45.649  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 528517   | 44.708  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 644644   | 46.424  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 506760   | 45.451  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 251084   | 45.968  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 248393   | 46.180  | ug/l   | 95       |
| 89) n-Butylbenzene            | 14.059 | 91   | 474133   | 45.685  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.335 | 117  | 98258    | 44.799  | ug/l   | 88       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 244795   | 46.750  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 37857    | 37.015  | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 132789   | 45.329  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 44568    | 41.276  | ug/l   | 96       |
| 95) Naphthalene               | 15.641 | 128  | 513928   | 46.427  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 135022   | 48.006  | ug/l   | 99       |

05/01/2024  
 Supervised By :Semsettin  
 Yesilyurt

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Quant Time: May 01 06:04:03 2024  
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Quant Title : SW846 8260  
QLast Update : Fri Apr 26 05:26:49 2024  
Response via : Initial Calibration

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Manual Integrations  
APPROVED

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| Compound                                                                         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                            |      |      |          |      |       |          |
| ( # ) = qualifier out of range ( m ) = manual integration ( + ) = signals summed |      |      |          |      |       |          |

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