

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN053023\  
 Data File : VN077982.D  
 Acq On : 30 May 2023 20:15  
 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 :Semsettin Yesilyurt 05/31/2023  
 Supervised By :Mahesh Dadoda 05/31/2023

Quant Time: May 31 02:13:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 16 04:07:42 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.236          | 168  | 358831              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106          | 114  | 655875              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.876         | 117  | 576259              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.800         | 152  | 245496              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.588          | 65   | 268881              | 50.080  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 100.160% |         |        |          |
| 35) Dibromofluoromethane     | 8.177          | 113  | 233253              | 54.538  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 109.080% |         |        |          |
| 50) Toluene-d8               | 10.571         | 98   | 847420              | 51.477  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 102.960% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.853         | 95   | 285828              | 49.161  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 98.320%  |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.136          | 85   | 184390              | 45.152  | ug/l   | 98       |
| 3) Chloromethane             | 2.371          | 50   | 209672              | 48.367  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.518          | 62   | 282729              | 54.913  | ug/l   | 94       |
| 5) Bromomethane              | 2.948          | 94   | 205095              | 53.860  | ug/l   | 95       |
| 6) Chloroethane              | 3.118          | 64   | 200948              | 54.156  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.501          | 101  | 389968              | 54.348  | ug/l   | 98       |
| 8) Diethyl Ether             | 3.971          | 74   | 136190              | 51.991  | ug/l   | 83       |
| 9) 1,1,2-Trichlorotrifluo... | 4.377          | 101  | 211692              | 53.311  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.600          | 142  | 295003              | 62.294  | ug/l   | 96       |
| 11) Tert butyl alcohol       | 5.542          | 59   | 191393              | 258.298 | ug/l # | 86       |
| 12) 1,1-Dichloroethene       | 4.348          | 96   | 204431              | 54.167  | ug/l   | 91       |
| 13) Acrolein                 | 4.189          | 56   | 112286              | 242.751 | ug/l   | 95       |
| 14) Allyl chloride           | 5.036          | 41   | 299895              | 54.090  | ug/l   | 96       |
| 15) Acrylonitrile            | 5.730          | 53   | 529598              | 267.526 | ug/l   | 99       |
| 16) Acetone                  | 4.436          | 43   | 410230              | 242.859 | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.718          | 76   | 486184              | 47.810  | ug/l   | 100      |
| 18) Methyl Acetate           | 5.036          | 43   | 379715              | 53.584  | ug/l   | 90       |
| 19) Methyl tert-butyl Ether  | 5.800          | 73   | 731700              | 53.562  | ug/l   | 96       |
| 20) Methylene Chloride       | 5.283          | 84   | 251804              | 57.572  | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 5.794          | 96   | 227861              | 53.748  | ug/l # | 82       |
| 22) Diisopropyl ether        | 6.683          | 45   | 696377              | 53.586  | ug/l   | 93       |
| 23) Vinyl Acetate            | 6.618          | 43   | 2098374             | 260.610 | ug/l # | 90       |
| 24) 1,1-Dichloroethane       | 6.577          | 63   | 444424              | 55.821  | ug/l   | 96       |
| 25) 2-Butanone               | 7.494          | 43   | 666742              | 252.327 | ug/l   | 89       |
| 26) 2,2-Dichloropropane      | 7.500          | 77   | 335923              | 49.663  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.494          | 96   | 284374              | 55.943  | ug/l   | 95       |
| 28) Bromochloromethane       | 7.824          | 49   | 182559              | 53.019  | ug/l   | 87       |
| 29) Tetrahydrofuran          | 7.847          | 42   | 440871              | 254.809 | ug/l   | 85       |
| 30) Chloroform               | 7.977          | 83   | 484720              | 55.345  | ug/l   | 95       |
| 31) Cyclohexane              | 8.265          | 56   | 355329              | 48.694  | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 8.177          | 97   | 424798              | 57.050  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.383          | 75   | 351177              | 56.138  | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.571          | 43   | 280234              | 50.260  | ug/l   | 94       |
| 38) Carbon Tetrachloride     | 8.371          | 117  | 379283              | 60.043  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.606          | 83   | 378241              | 49.389  | ug/l   | 90       |
| 40) Benzene                  | 8.612          | 78   | 1040371             | 56.358  | ug/l   | 99       |

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Quant Time: May 31 02:13:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 16 04:07:42 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.788  | 41   | 146705   | 49.406   | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 8.683  | 62   | 360032   | 53.690   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 484571   | 53.207   | ug/l   | 95       |
| 44) Trichloroethene           | 9.359  | 130  | 270112   | 57.787   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.630  | 63   | 265684   | 56.425   | ug/l   | 93       |
| 46) Dibromomethane            | 9.712  | 93   | 186050   | 55.218   | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.894  | 83   | 381164   | 59.089   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.688  | 41   | 224429   | 51.976   | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 95505    | 1171.059 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone      | 10.453 | 43   | 1479549  | 273.308  | ug/l   | 94       |
| 52) Toluene                   | 10.635 | 92   | 674048   | 58.652   | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.841 | 75   | 391674   | 57.337   | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 428106   | 56.870   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 11.024 | 97   | 264528   | 57.970   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.882 | 69   | 391519   | 56.746   | ug/l   | 92       |
| 57) 1,3-Dichloropropane       | 11.171 | 76   | 444098   | 56.770   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.171 | 63   | 718080   | 211.557  | ug/l   | 93       |
| 59) 2-Hexanone                | 11.200 | 43   | 1053120  | 263.008  | ug/l   | 92       |
| 60) Dibromochloromethane      | 11.365 | 129  | 289496   | 61.454   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.476 | 107  | 265418   | 58.304   | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.112 | 164  | 250761   | 62.225   | ug/l   | 97       |
| 65) Chlorobenzene             | 11.900 | 112  | 715667   | 57.287   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.971 | 131  | 271793   | 62.877   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.971 | 91   | 1298359  | 57.995   | ug/l   | 97       |
| 68) m/p-Xylenes               | 12.076 | 106  | 998357   | 117.692  | ug/l   | 99       |
| 69) o-Xylene                  | 12.406 | 106  | 488706   | 58.581   | ug/l   | 95       |
| 70) Styrene                   | 12.418 | 104  | 785027   | 59.236   | ug/l   | 97       |
| 71) Bromoform                 | 12.588 | 173  | 182926   | 63.615   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.700 | 105  | 1258165  | 59.455   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.500 | 43   | 401201   | 51.291   | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 12.947 | 83   | 362996   | 55.758   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 13.000 | 75   | 274545m  | 44.655   | ug/l   |          |
| 77) Bromobenzene              | 12.988 | 156  | 279481   | 57.872   | ug/l   | 98       |
| 78) n-propylbenzene           | 13.041 | 91   | 1445953  | 57.958   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.135 | 91   | 867697   | 58.285   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.182 | 105  | 1048757  | 58.966   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 103248   | 53.681   | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 13.229 | 91   | 825303   | 55.718   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.447 | 119  | 892492   | 57.481   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 1044043  | 59.687   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.623 | 105  | 1233834  | 55.915   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 1030145  | 58.558   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.741 | 146  | 496194   | 55.559   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.818 | 146  | 480367   | 54.202   | ug/l   | 100      |
| 89) n-Butylbenzene            | 14.065 | 91   | 833524   | 51.513   | ug/l   | 98       |
| 90) Hexachloroethane          | 14.341 | 117  | 177929   | 61.568   | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 14.112 | 146  | 485829   | 58.229   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 62288    | 49.420   | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.400 | 180  | 206031   | 42.257   | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 93579    | 46.226   | ug/l   | 98       |
| 95) Naphthalene               | 15.647 | 128  | 647632   | 38.591   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.847 | 180  | 218642   | 45.801   | ug/l   | 98       |

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Quant Time: May 31 02:13:35 2023  
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QLast Update : Tue May 16 04:07:42 2023  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

