

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100523\  
 Data File : VN079424.D  
 Acq On : 05 Oct 2023 17:02  
 Operator : JC\MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/06/2023  
 Supervised By : Mahesh Dadoda 10/06/2023

Quant Time: Oct 06 03:02:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 06 02:55:11 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                        |                |      |                      |         |        |          |
| Internal Standards           |                |      |                      |         |        |          |
| 1) Pentafluorobenzene        | 8.230          | 168  | 253176               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106          | 114  | 441714               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.871         | 117  | 414905               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794         | 152  | 195403               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.583          | 65   | 396186               | 96.512  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 193.020%# |         |        |          |
| 35) Dibromofluoromethane     | 8.171          | 113  | 310576               | 97.840  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 195.680%# |         |        |          |
| 50) Toluene-d8               | 10.571         | 98   | 1196018              | 104.132 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 208.260%# |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.853         | 95   | 458460               | 124.380 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 248.760%# |         |        |          |
| Target Compounds             |                |      |                      |         |        |          |
|                              |                |      |                      |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.124          | 85   | 370719               | 102.186 | ug/l   | 99       |
| 3) Chloromethane             | 2.365          | 50   | 416766               | 92.068  | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.512          | 62   | 473159               | 100.491 | ug/l   | 96       |
| 5) Bromomethane              | 2.924          | 94   | 234683               | 84.522  | ug/l   | 96       |
| 6) Chloroethane              | 3.106          | 64   | 303281               | 86.826  | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.489          | 101  | 539797               | 97.097  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.959          | 74   | 202290               | 102.068 | ug/l   | 65       |
| 9) 1,1,2-Trichlorotrifluo... | 4.365          | 101  | 307787               | 94.740  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.589          | 142  | 351218               | 124.585 | ug/l   | 97       |
| 11) Tert butyl alcohol       | 5.530          | 59   | 285834               | 462.633 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 4.342          | 96   | 297446               | 99.438  | ug/l   | 84       |
| 13) Acrolein                 | 4.183          | 56   | 315194               | 512.344 | ug/l   | 98       |
| 14) Allyl chloride           | 5.024          | 41   | 475555               | 98.515  | ug/l   | 90       |
| 15) Acrylonitrile            | 5.724          | 53   | 916215               | 511.501 | ug/l   | 99       |
| 16) Acetone                  | 4.430          | 43   | 879946               | 540.441 | ug/l   | 92       |
| 17) Carbon Disulfide         | 4.712          | 76   | 893404               | 95.749  | ug/l   | 99       |
| 18) Methyl Acetate           | 5.024          | 43   | 726600               | 91.176  | ug/l # | 83       |
| 19) Methyl tert-butyl Ether  | 5.794          | 73   | 1007123              | 103.621 | ug/l   | 93       |
| 20) Methylene Chloride       | 5.277          | 84   | 355595               | 100.339 | ug/l # | 83       |
| 21) trans-1,2-Dichloroethene | 5.789          | 96   | 331274               | 94.820  | ug/l # | 79       |
| 22) Diisopropyl ether        | 6.677          | 45   | 1139418              | 105.264 | ug/l # | 89       |
| 23) Vinyl Acetate            | 6.606          | 43   | 3380208              | 555.161 | ug/l # | 86       |
| 24) 1,1-Dichloroethane       | 6.571          | 63   | 639592               | 96.547  | ug/l   | 97       |
| 25) 2-Butanone               | 7.488          | 43   | 1291611              | 534.475 | ug/l # | 81       |
| 26) 2,2-Dichloropropane      | 7.494          | 77   | 534428               | 105.562 | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.494          | 96   | 386518               | 101.836 | ug/l   | 86       |
| 28) Bromochloromethane       | 7.818          | 49   | 294594               | 93.463  | ug/l # | 72       |
| 29) Tetrahydrofuran          | 7.841          | 42   | 826067               | 528.539 | ug/l # | 75       |
| 30) Chloroform               | 7.971          | 83   | 659385               | 98.513  | ug/l   | 94       |
| 31) Cyclohexane              | 8.259          | 56   | 554666               | 95.256  | ug/l   | 85       |
| 32) 1,1,1-Trichloroethane    | 8.171          | 97   | 559965               | 99.410  | ug/l   | 94       |
| 36) 1,1-Dichloropropene      | 8.377          | 75   | 500212               | 104.994 | ug/l   | 95       |
| 37) Ethyl Acetate            | 7.565          | 43   | 508266               | 104.152 | ug/l # | 90       |
| 38) Carbon Tetrachloride     | 8.371          | 117  | 482370               | 101.137 | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.606          | 83   | 527268               | 115.193 | ug/l # | 87       |
| 40) Benzene                  | 8.612          | 78   | 1465564              | 103.582 | ug/l   | 99       |

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
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Reviewed By :John Carlone 10/06/2023  
 Supervised By :Mahesh Dadoda 10/06/2023

Quant Time: Oct 06 03:02:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 06 02:55:11 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.783  | 41   | 279727   | 112.239  | ug/l # | 83       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 513476   | 99.875   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 830572   | 100.006  | ug/l # | 89       |
| 44) Trichloroethene           | 9.359  | 130  | 337641   | 101.389  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.630  | 63   | 383170   | 102.784  | ug/l   | 98       |
| 46) Dibromomethane            | 9.712  | 93   | 253489   | 104.990  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.894  | 83   | 517845   | 104.267  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.688  | 41   | 401779   | 112.893  | ug/l # | 79       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 140101   | 2137.172 | ug/l # | 82       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 2620997  | 559.050  | ug/l   | 89       |
| 52) Toluene                   | 10.635 | 92   | 918714   | 110.309  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.841 | 75   | 571797   | 114.245  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 609611   | 111.264  | ug/l # | 90       |
| 55) 1,1,2-Trichloroethane     | 11.024 | 97   | 347143   | 103.822  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 563107   | 122.560  | ug/l # | 82       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 621829   | 107.702  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 1081165  | 614.450  | ug/l   | 89       |
| 59) 2-Hexanone                | 11.200 | 43   | 1975375  | 583.892  | ug/l   | 88       |
| 60) Dibromochloromethane      | 11.365 | 129  | 368750   | 109.733  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.476 | 107  | 354036   | 106.695  | ug/l   | 96       |
| 64) Tetrachloroethene         | 11.106 | 164  | 270449   | 94.754   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.894 | 112  | 915728   | 99.105   | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 341881   | 101.053  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.971 | 91   | 1777352  | 110.668  | ug/l   | 96       |
| 68) m/p-Xylenes               | 12.076 | 106  | 1377621  | 236.081  | ug/l   | 93       |
| 69) o-Xylene                  | 12.400 | 106  | 688212   | 119.923  | ug/l   | 91       |
| 70) Styrene                   | 12.418 | 104  | 1166331  | 128.667  | ug/l   | 97       |
| 71) Bromoform                 | 12.582 | 173  | 292132   | 117.981  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.700 | 105  | 1799704  | 99.000   | ug/l   | 98       |
| 74) N-amyl acetate            | 12.500 | 43   | 774506   | 103.924  | ug/l # | 88       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 582713   | 100.538  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 534139m  | 92.242   | ug/l   |          |
| 77) Bromobenzene              | 12.982 | 156  | 411744   | 92.372   | ug/l   | 92       |
| 78) n-propylbenzene           | 13.041 | 91   | 2169515  | 105.481  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 1269808  | 96.481   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 1540219  | 107.445  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 196000   | 100.941  | ug/l   | 86       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 1311124  | 104.689  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 1261857  | 107.441  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 1384694  | 101.218  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 1622974  | 99.071   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 1313361  | 104.506  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 679934   | 96.174   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.817 | 146  | 661473   | 90.613   | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.059 | 91   | 1116438  | 111.247  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.335 | 117  | 252097   | 99.850   | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene       | 14.112 | 146  | 644986   | 93.529   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 93648    | 89.088   | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.400 | 180  | 257348   | 120.491  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 145235   | 87.308   | ug/l   | 99       |
| 95) Naphthalene               | 15.647 | 128  | 796737   | 122.160  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.847 | 180  | 265371   | 104.117  | ug/l   | 97       |

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ClientSampleId :  
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Manual Integrations  
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Quant Time: Oct 06 03:02:28 2023  
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Quant Title : SW846 8260  
QLast Update : Fri Oct 06 02:55:11 2023  
Response via : Initial Calibration

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

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

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