

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100522\  
 Data File : VN074747.D  
 Acq On : 05 Oct 2022 19:12  
 Operator : JC\MD  
 Sample : VN1005WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1005WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/06/2022  
 Supervised By : Mahesh Dadoda 10/06/2022

Quant Time: Oct 06 07:40:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100522W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 06 05:37:50 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.236          | 168  | 318487              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106          | 114  | 577653              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.871         | 117  | 602645              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794         | 152  | 347278              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.589          | 65   | 385550              | 51.091  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 102.180% |         |        |          |
| 35) Dibromofluoromethane     | 8.177          | 113  | 299125              | 51.252  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 102.500% |         |        |          |
| 50) Toluene-d8               | 10.571         | 98   | 1284881             | 51.307  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 102.620% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.853         | 95   | 379371              | 49.834  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 99.660%  |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.148          | 85   | 129601              | 19.842  | ug/l   | 98       |
| 3) Chloromethane             | 2.383          | 50   | 184946              | 19.040  | ug/l   | 93       |
| 4) Vinyl Chloride            | 2.530          | 62   | 242206              | 20.139  | ug/l   | 98       |
| 5) Bromomethane              | 2.954          | 94   | 167272              | 19.724  | ug/l   | 94       |
| 6) Chloroethane              | 3.124          | 64   | 206633              | 23.222  | ug/l   | 92       |
| 7) Trichlorofluoromethane    | 3.507          | 101  | 185144              | 19.533  | ug/l   | 94       |
| 8) Diethyl Ether             | 3.983          | 74   | 95714               | 19.357  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.389          | 101  | 111628              | 19.224  | ug/l   | 96       |
| 10) Methyl Iodide            | 4.606          | 142  | 140792              | 20.051  | ug/l   | 96       |
| 11) Tert butyl alcohol       | 5.548          | 59   | 242152              | 95.810  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.359          | 96   | 116075              | 18.779  | ug/l   | 88       |
| 13) Acrolein                 | 4.212          | 56   | 55685               | 80.364  | ug/l   | 90       |
| 14) Allyl chloride           | 5.053          | 41   | 255618              | 20.121  | ug/l   | 97       |
| 15) Acrylonitrile            | 5.742          | 53   | 541351              | 98.204  | ug/l   | 100      |
| 16) Acetone                  | 4.454          | 43   | 407769              | 95.351  | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.736          | 76   | 326461              | 19.327  | ug/l # | 94       |
| 18) Methyl Acetate           | 5.053          | 43   | 306509              | 19.359  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.818          | 73   | 467760              | 19.452  | ug/l   | 99       |
| 20) Methylene Chloride       | 5.301          | 84   | 148737              | 20.552  | ug/l # | 88       |
| 21) trans-1,2-Dichloroethene | 5.800          | 96   | 129408              | 19.572  | ug/l # | 74       |
| 22) Diisopropyl ether        | 6.700          | 45   | 530849              | 19.675  | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.624          | 43   | 2250256             | 101.530 | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 6.583          | 63   | 265102              | 19.057  | ug/l   | 99       |
| 25) 2-Butanone               | 7.500          | 43   | 763695              | 98.399  | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.506          | 77   | 215064              | 18.744  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.500          | 96   | 156897              | 19.934  | ug/l   | 96       |
| 28) Bromochloromethane       | 7.830          | 49   | 120459              | 19.192  | ug/l   | 96       |
| 29) Tetrahydrofuran          | 7.853          | 42   | 504288              | 93.227  | ug/l   | 98       |
| 30) Chloroform               | 7.977          | 83   | 249475              | 19.580  | ug/l   | 99       |
| 31) Cyclohexane              | 8.265          | 56   | 250626              | 19.216  | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 8.177          | 97   | 211244              | 19.451  | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 8.383          | 75   | 186528              | 19.745  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.500          | 43   | 763695              | 20.155  | ug/l # | 52       |
| 38) Carbon Tetrachloride     | 8.371          | 117  | 174390              | 19.576  | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.606          | 83   | 251829              | 20.578  | ug/l   | 97       |
| 40) Benzene                  | 8.612          | 78   | 604723              | 19.774  | ug/l   | 97       |

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 Sample : VN1005WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1005WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/06/2022  
 Supervised By : Mahesh Dadoda 10/06/2022

Quant Time: Oct 06 07:40:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100522W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 06 05:37:50 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.794  | 41   | 153605   | 20.578  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 8.683  | 62   | 190226   | 19.816  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.700  | 43   | 457974   | 19.558  | ug/l   | 98       |
| 44) Trichloroethene           | 9.359  | 130  | 121942   | 19.145  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 167210   | 20.193  | ug/l   | 92       |
| 46) Dibromomethane            | 9.712  | 93   | 100835   | 20.752  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.888  | 83   | 200211   | 20.168  | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.618  | 41   | 190894   | 19.857  | ug/l # | 96       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 85922    | 412.374 | ug/l # | 81       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 1494900  | 99.138  | ug/l   | 99       |
| 52) Toluene                   | 10.635 | 92   | 370802   | 20.183  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.841 | 75   | 224538   | 18.983  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 252152   | 19.745  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 145128   | 19.646  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 267113   | 19.854  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 269320   | 20.228  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 452845   | 93.319  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.200 | 43   | 1137515  | 99.733  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.365 | 129  | 141788   | 19.484  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 146881   | 19.554  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.106 | 164  | 94047    | 19.224  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.894 | 112  | 358263   | 19.405  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 131374   | 19.488  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 694698   | 20.187  | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.077 | 106  | 527622   | 40.844  | ug/l   | 95       |
| 69) o-Xylene                  | 12.400 | 106  | 265233   | 20.013  | ug/l   | 100      |
| 70) Styrene                   | 12.412 | 104  | 421379   | 20.168  | ug/l   | 99       |
| 71) Bromoform                 | 12.576 | 173  | 94797    | 18.435  | ug/l # | 93       |
| 73) Isopropylbenzene          | 12.700 | 105  | 665324   | 19.909  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 388314   | 19.218  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 252700   | 21.491  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 194651m  | 18.779  | ug/l   |          |
| 77) Bromobenzene              | 12.982 | 156  | 131088   | 20.366  | ug/l   | 98       |
| 78) n-propylbenzene           | 13.035 | 91   | 772433   | 20.063  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 448648   | 19.218  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 541632   | 20.322  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 93760    | 17.624  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 13.224 | 91   | 430525   | 19.897  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 460852   | 20.010  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 533251   | 19.787  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 672456   | 20.092  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 515711   | 19.967  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 258940   | 19.538  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 248112   | 19.820  | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.059 | 91   | 451517   | 19.834  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.335 | 117  | 108983   | 18.872  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 251768   | 19.726  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.718 | 75   | 53241    | 19.221  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 120008   | 21.495  | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 51602    | 19.758  | ug/l   | 97       |
| 95) Naphthalene               | 15.641 | 128  | 507823   | 21.039  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 118182   | 20.883  | ug/l   | 99       |

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Manual Integrations  
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Quant Time: Oct 06 07:40:16 2022  
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Quant Title : SW846 8260  
QLast Update : Thu Oct 06 05:37:50 2022  
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

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