

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040222\  
 Data File : VN071800.D  
 Acq On : 02 Apr 2022 16:09  
 Operator : JC\MD  
 Sample : VN0402WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0402WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 04/04/2022  
 Supervised By : Mahesh Dadoda 04/05/2022

Quant Time: Apr 04 01:06:30 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N033022W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 31 01:57:54 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.081          | 168  | 548870              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.963          | 114  | 863286              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.739         | 117  | 757273              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.668         | 152  | 280507              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.433          | 65   | 336334              | 53.676  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 107.360% |         |        |          |
| 35) Dibromofluoromethane     | 8.022          | 113  | 278040              | 54.733  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 109.460% |         |        |          |
| 50) Toluene-d8               | 10.439         | 98   | 1137885             | 54.756  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 109.520% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.727         | 95   | 340271              | 50.629  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 101.260% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.075          | 85   | 80369               | 18.418  | ug/l   | 100      |
| 3) Chloromethane             | 2.299          | 50   | 104566              | 18.911  | ug/l   | 95       |
| 4) Vinyl Chloride            | 2.440          | 62   | 108922              | 17.938  | ug/l   | 97       |
| 5) Bromomethane              | 2.851          | 94   | 73364               | 18.586  | ug/l   | 99       |
| 6) Chloroethane              | 3.016          | 64   | 73634               | 16.856  | ug/l   | 93       |
| 7) Trichlorofluoromethane    | 3.375          | 101  | 142330              | 18.423  | ug/l   | 98       |
| 8) Diethyl Ether             | 3.828          | 74   | 62448               | 19.127  | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 4.210          | 101  | 88962               | 18.686  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.428          | 142  | 112469              | 16.900  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.363          | 59   | 103351              | 101.637 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 4.187          | 96   | 82834               | 18.284  | ug/l   | 98       |
| 13) Acrolein                 | 4.040          | 56   | 112315              | 90.586  | ug/l   | 99       |
| 14) Allyl chloride           | 4.840          | 41   | 138801              | 18.876  | ug/l   | 95       |
| 15) Acrylonitrile            | 5.551          | 53   | 317791              | 107.518 | ug/l   | 98       |
| 16) Acetone                  | 4.287          | 43   | 236906              | 88.468  | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.534          | 76   | 174574              | 16.795  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.857          | 43   | 134486              | 19.353  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.616          | 73   | 330491              | 19.636  | ug/l   | 100      |
| 20) Methylene Chloride       | 5.092          | 84   | 109423              | 19.387  | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 5.604          | 96   | 91385               | 18.375  | ug/l   | 96       |
| 22) Diisopropyl ether        | 6.492          | 45   | 320873              | 20.045  | ug/l   | 98       |
| 23) Vinyl Acetate            | 6.428          | 43   | 1311970             | 103.063 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.386          | 63   | 185973              | 19.790  | ug/l   | 98       |
| 25) 2-Butanone               | 7.333          | 43   | 389621              | 100.926 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.322          | 77   | 144683              | 17.922  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.322          | 96   | 116686              | 19.133  | ug/l   | 98       |
| 28) Bromochloromethane       | 7.657          | 49   | 70039               | 18.476  | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.681          | 42   | 263639              | 105.468 | ug/l   | 100      |
| 30) Chloroform               | 7.816          | 83   | 197134              | 19.867  | ug/l   | 98       |
| 31) Cyclohexane              | 8.092          | 56   | 157911              | 18.531  | ug/l # | 93       |
| 32) 1,1,1-Trichloroethane    | 8.010          | 97   | 163148              | 19.219  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.222          | 75   | 131173              | 18.491  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.410          | 43   | 163419              | 21.047  | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 8.204          | 117  | 132054              | 18.994  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.457          | 83   | 154987              | 18.354  | ug/l   | 97       |
| 40) Benzene                  | 8.457          | 78   | 435226              | 19.422  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040222\  
 Data File : VN071800.D  
 Acq On : 02 Apr 2022 16:09  
 Operator : JC\MD  
 Sample : VN0402WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0402WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 04/04/2022  
 Supervised By : Mahesh Dadoda 04/05/2022

Quant Time: Apr 04 01:06:30 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N033022W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 31 01:57:54 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.633  | 41   | 78445    | 20.633  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.528  | 62   | 150693   | 19.439  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.557  | 43   | 234871   | 18.186  | ug/l   | 99       |
| 44) Trichloroethene           | 9.210  | 130  | 109790   | 19.017  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 9.486  | 63   | 110991   | 19.826  | ug/l   | 99       |
| 46) Dibromomethane            | 9.575  | 93   | 73282    | 19.279  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.757  | 83   | 151264   | 20.216  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.557  | 41   | 112017   | 20.906  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.569  | 88   | 50115    | 385.763 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.327 | 43   | 784574   | 105.662 | ug/l   | 99       |
| 52) Toluene                   | 10.504 | 92   | 281677   | 19.885  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.716 | 75   | 153368   | 19.558  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.186 | 75   | 170563   | 19.685  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.898 | 97   | 115660   | 19.839  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.757 | 69   | 169874   | 20.425  | ug/l # | 95       |
| 57) 1,3-Dichloropropane       | 11.039 | 76   | 194590   | 19.963  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.039 | 63   | 170410   | 79.004  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.080 | 43   | 543143   | 103.895 | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.233 | 129  | 115932   | 20.394  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.339 | 107  | 114727   | 19.991  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.974 | 164  | 97331    | 19.464  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.769 | 112  | 294806   | 19.442  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.839 | 131  | 111394   | 20.359  | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.839 | 91   | 509108   | 19.833  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.951 | 106  | 387187   | 39.257  | ug/l   | 100      |
| 69) o-Xylene                  | 12.274 | 106  | 192768   | 19.691  | ug/l   | 98       |
| 70) Styrene                   | 12.292 | 104  | 296854   | 20.014  | ug/l   | 99       |
| 71) Bromoform                 | 12.451 | 173  | 83575    | 20.058  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.574 | 105  | 488274   | 20.657  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.386 | 43   | 137923   | 20.365  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.821 | 83   | 170568   | 21.627  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.874 | 75   | 130644m  | 20.105  | ug/l   |          |
| 77) Bromobenzene              | 12.857 | 156  | 114609   | 19.341  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.915 | 91   | 509610   | 20.495  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.004 | 91   | 334036   | 20.948  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.057 | 105  | 401364   | 21.431  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.621 | 75   | 40911    | 19.510  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 13.098 | 91   | 297941   | 20.158  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.321 | 119  | 358411   | 20.936  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.363 | 105  | 382516   | 20.933  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.498 | 105  | 459475   | 20.704  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.610 | 119  | 361935   | 20.454  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.610 | 146  | 183841   | 19.474  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.692 | 146  | 176719   | 19.188  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.939 | 91   | 243714   | 18.570  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.204 | 117  | 67708    | 20.903  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.986 | 146  | 187679   | 20.251  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.598 | 75   | 26583    | 21.730  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.262 | 180  | 73412    | 17.844  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.368 | 225  | 50746    | 18.565  | ug/l   | 96       |
| 95) Naphthalene               | 15.504 | 128  | 183384   | 17.067  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.698 | 180  | 74124    | 18.727  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040222\  
Data File : VN071800.D  
Acq On : 02 Apr 2022 16:09  
Operator : JC\MD  
Sample : VN0402WBS01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0402WBS01

Manual Integrations  
APPROVED

Reviewed By : John Carlone 04/04/2022  
Supervised By : Mahesh Dadoda 04/05/2022

Quant Time: Apr 04 01:06:30 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N033022W.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 31 01:57:54 2022  
Response via : Initial Calibration

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

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

