

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032222\  
 Data File : VN071502.D  
 Acq On : 23 Mar 2022 07:25  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 03/23/2022  
 Supervised By :Semsettin Yesilyurt 03/23/2022

Quant Time: Mar 23 09:01:17 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N030722W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 08 06:52:46 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.081          | 168  | 508653              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.963          | 114  | 857328              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.739         | 117  | 801263              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.668         | 152  | 337536              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.434          | 65   | 384957              | 55.220  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 110.440% |         |        |          |
| 35) Dibromofluoromethane     | 8.016          | 113  | 291083              | 53.804  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 107.600% |         |        |          |
| 50) Toluene-d8               | 10.433         | 98   | 1139506             | 52.313  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 104.620% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.727         | 95   | 412111              | 55.871  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 111.740% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.069          | 85   | 249915              | 44.830  | ug/l   | 99       |
| 3) Chloromethane             | 2.299          | 50   | 358658              | 47.921  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.440          | 62   | 334311              | 48.934  | ug/l   | 99       |
| 5) Bromomethane              | 2.822          | 94   | 168314              | 55.874  | ug/l   | 98       |
| 6) Chloroethane              | 2.993          | 64   | 214283              | 51.793  | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 3.363          | 101  | 458129              | 50.948  | ug/l   | 97       |
| 8) Diethyl Ether             | 3.822          | 74   | 210160              | 54.616  | ug/l   | 90       |
| 9) 1,1,2-Trichlorotrifluo... | 4.210          | 101  | 263710              | 50.660  | ug/l   | 95       |
| 10) Methyl Iodide            | 4.416          | 142  | 363119              | 49.388  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.363          | 59   | 413400              | 301.866 | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 4.181          | 96   | 261156              | 51.213  | ug/l   | 95       |
| 13) Acrolein                 | 4.034          | 56   | 292128              | 201.534 | ug/l   | 98       |
| 14) Allyl chloride           | 4.834          | 41   | 563866              | 50.839  | ug/l   | 86       |
| 15) Acrylonitrile            | 5.545          | 53   | 1156184             | 284.325 | ug/l   | 99       |
| 16) Acetone                  | 4.275          | 43   | 995459              | 293.472 | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.528          | 76   | 610063              | 42.022  | ug/l   | 98       |
| 18) Methyl Acetate           | 4.846          | 43   | 560081              | 61.374  | ug/l   | 95       |
| 19) Methyl tert-butyl Ether  | 5.610          | 73   | 1106997             | 57.819  | ug/l   | 98       |
| 20) Methylene Chloride       | 5.087          | 84   | 330275              | 53.250  | ug/l   | 92       |
| 21) trans-1,2-Dichloroethene | 5.593          | 96   | 278264              | 49.888  | ug/l   | 90       |
| 22) Diisopropyl ether        | 6.492          | 45   | 1240791             | 56.785  | ug/l   | 90       |
| 23) Vinyl Acetate            | 6.428          | 43   | 5389416             | 291.347 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.381          | 63   | 634803              | 54.980  | ug/l   | 100      |
| 25) 2-Butanone               | 7.328          | 43   | 1630998             | 298.492 | ug/l   | 94       |
| 26) 2,2-Dichloropropane      | 7.322          | 77   | 340464              | 38.222  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.322          | 96   | 355711              | 53.733  | ug/l   | 92       |
| 28) Bromochloromethane       | 7.651          | 49   | 244162              | 47.487  | ug/l   | 82       |
| 29) Tetrahydrofuran          | 7.681          | 42   | 1086141             | 286.928 | ug/l   | 91       |
| 30) Chloroform               | 7.816          | 83   | 606429              | 55.068  | ug/l   | 100      |
| 31) Cyclohexane              | 8.092          | 56   | 548664              | 49.285  | ug/l   | 91       |
| 32) 1,1,1-Trichloroethane    | 8.010          | 97   | 516810              | 55.094  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.216          | 75   | 434246              | 50.097  | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.404          | 43   | 632172              | 52.993  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.204          | 117  | 429605              | 51.240  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.457          | 83   | 501793              | 49.209  | ug/l   | 94       |
| 40) Benzene                  | 8.457          | 78   | 1367627             | 52.367  | ug/l   | 100      |

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 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
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Reviewed By :Mahesh Dadoda 03/23/2022  
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Quant Time: Mar 23 09:01:17 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N030722W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 08 06:52:46 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.628  | 41   | 316767   | 54.259   | ug/l   | 90       |
| 42) 1,2-Dichloroethane        | 8.528  | 62   | 500845   | 55.110   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.557  | 43   | 1021818  | 57.279   | ug/l   | 95       |
| 44) Trichloroethene           | 9.210  | 130  | 318637   | 51.709   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.486  | 63   | 377593   | 53.860   | ug/l   | 98       |
| 46) Dibromomethane            | 9.575  | 93   | 231699   | 53.696   | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.757  | 83   | 480215   | 55.069   | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.557  | 41   | 482623   | 58.379   | ug/l # | 82       |
| 49) 1,4-Dioxane               | 9.563  | 88   | 168935   | 1175.611 | ug/l # | 86       |
| 51) 4-Methyl-2-Pentanone      | 10.328 | 43   | 3281096  | 296.363  | ug/l   | 100      |
| 52) Toluene                   | 10.498 | 92   | 862059   | 53.605   | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.710 | 75   | 504591   | 52.492   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.186 | 75   | 547763   | 52.152   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.892 | 97   | 348877   | 54.138   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.757 | 69   | 616033   | 58.537   | ug/l   | 91       |
| 57) 1,3-Dichloropropane       | 11.039 | 76   | 625877   | 54.109   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.033 | 63   | 648298   | 288.400  | ug/l   | 95       |
| 59) 2-Hexanone                | 11.080 | 43   | 2391324  | 316.565  | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.233 | 129  | 363048   | 56.701   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.339 | 107  | 355193   | 53.930   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.975 | 164  | 267823   | 47.926   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.769 | 112  | 901153   | 52.369   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.833 | 131  | 342468   | 54.277   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.839 | 91   | 1659103  | 54.531   | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.945 | 106  | 1245288  | 111.882  | ug/l   | 98       |
| 69) o-Xylene                  | 12.274 | 106  | 628115   | 56.298   | ug/l   | 97       |
| 70) Styrene                   | 12.292 | 104  | 1011997  | 58.597   | ug/l   | 97       |
| 71) Bromoform                 | 12.451 | 173  | 272914   | 56.956   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.574 | 105  | 1613606  | 49.592   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.380 | 43   | 709329   | 57.979   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.821 | 83   | 559293   | 58.267   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.874 | 75   | 423462m  | 51.868   | ug/l   |          |
| 77) Bromobenzene              | 12.857 | 156  | 371047   | 48.903   | ug/l   | 80       |
| 78) n-propylbenzene           | 12.916 | 91   | 1795978  | 51.438   | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 13.004 | 91   | 1110418  | 49.543   | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 13.051 | 105  | 1301378  | 51.408   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.621 | 75   | 149426   | 47.855   | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 13.098 | 91   | 1035363  | 51.861   | ug/l   | 93       |
| 83) tert-Butylbenzene         | 13.316 | 119  | 1193084  | 52.811   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.363 | 105  | 1287060  | 53.080   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.498 | 105  | 1585724  | 52.809   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.610 | 119  | 1272278  | 53.876   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.610 | 146  | 620316   | 50.317   | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.686 | 146  | 596578   | 49.505   | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.939 | 91   | 976757   | 52.883   | ug/l   | 96       |
| 90) Hexachloroethane          | 14.204 | 117  | 236557   | 50.373   | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene       | 13.986 | 146  | 613231   | 51.739   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.598 | 75   | 107097   | 56.570   | ug/l   | 85       |
| 93) 1,2,4-Trichlorobenzene    | 15.257 | 180  | 284297   | 51.311   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.363 | 225  | 154122   | 46.320   | ug/l   | 98       |
| 95) Naphthalene               | 15.498 | 128  | 962347   | 60.958   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.692 | 180  | 292414   | 54.897   | ug/l   | 98       |

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 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
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Manual Integrations  
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Quant Time: Mar 23 09:01:17 2022  
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 Quant Title : SW846 8260  
 QLast Update : Tue Mar 08 06:52:46 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

