

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092521\  
 Data File : VN068696.D  
 Acq On : 26 Sep 2021 5:19  
 Operator : JC/MD  
 Sample : M3895-01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 210922099-02-VOA

Manual Integrations  
 APPROVED

MMDadoda  
 9/27/2021 11:01:43 AM

Quant Time: Sep 27 07:24:58 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N092521W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Sep 27 07:10:18 2021  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response             | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|----------------------|----------|--------|----------|
| -----                       |                |      |                      |          |        |          |
| Internal Standards          |                |      |                      |          |        |          |
| 1) Bromochloromethane       | 7.662          | 128  | 72460                | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 8.968          | 114  | 413896               | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 11.747         | 117  | 360361               | 30.000   | ug/l   | 0.00     |
|                             |                |      |                      |          |        |          |
| System Monitoring Compounds |                |      |                      |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 8.437          | 65   | 197422               | 33.140   | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 91 - 110 |      | Recovery = 110.467%# |          |        |          |
| 60) 4-Bromofluorobenzene    | 12.731         | 95   | 153222               | 27.834   | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 63 - 112 |      | Recovery = 92.767%   |          |        |          |
| 63) Toluene-d8              | 10.443         | 98   | 496945               | 31.160   | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 91 - 112 |      | Recovery = 103.867%  |          |        |          |
|                             |                |      |                      |          |        |          |
| Target Compounds            |                |      |                      |          | Qvalue |          |
| 8) Diethyl Ether            | 3.821          | 74   | 5424m                | 2.081    | ug/l   |          |
| 15) Acetone                 | 4.293          | 58   | 15072                | 25.592   | ug/l   | 93       |
| 23) tert-Butyl Alcohol      | 5.363          | 59   | 1851308              | 2318.765 | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether | 5.618          | 73   | 22837                | 1.610    | ug/l # | 72       |
| 34) Benzene                 | 8.467          | 78   | 64898                | 3.178    | ug/l # | 84       |
| 45) 1,4-Dioxane             | 9.577          | 88   | 6056m                | 69.469   | ug/l   |          |
| 58) 4-Methyl-2-Pentanone    | 10.330         | 43   | 24856                | 3.536    | ug/l   | 96       |
| 62) Toluene                 | 10.507         | 91   | 27202                | 1.382    | ug/l   | 98       |
| 64) Chlorobenzene           | 11.773         | 112  | 7701                 | 0.611    | ug/l   | 99       |
| 67) m/p-Xylenes             | 11.956         | 106  | 60828                | 7.111    | ug/l   | 95       |
| 68) o-Xylene                | 12.283         | 106  | 34922                | 4.211    | ug/l   | 95       |
| 70) Isopropylbenzene        | 12.581         | 105  | 5876                 | 0.277    | ug/l   | 94       |
| 76) 1,3,5-Trimethylbenzene  | 13.061         | 105  | 13210                | 0.777    | ug/l   | 100      |
| 80) 1,2,4-Trimethylbenzene  | 13.369         | 105  | 43482                | 2.700    | ug/l # | 80       |
| 82) p-Isopropyltoluene      | 13.616         | 119  | 4754                 | 0.296    | ug/l   | 90       |
| 84) 1,4-Dichlorobenzene     | 13.696         | 146  | 29949                | 3.935    | ug/l   | 97       |
| -----                       |                |      |                      |          |        |          |

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

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