

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011124\  
 Data File : VN080679.D  
 Acq On : 11 Jan 2024 16:27  
 Operator : JC\MD  
 Sample : P1103-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 240110062-02-VOA

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 01/12/2024  
 Supervised By : Semsettin Yesilyurt 01/12/2024

Quant Time: Jan 12 05:25:12 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N011124W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Jan 12 05:20:11 2024  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Bromochloromethane       | 7.806          | 128  | 12289      | 30.000   | ug/l   | -0.01    |
| 28) 1,4-Difluorobenzene     | 9.100          | 114  | 111268     | 30.000   | ug/l   | # 0.00   |
| 57) Chlorobenzene-d5        | 11.865         | 117  | 125194     | 30.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 8.577          | 65   | 60049      | 30.259   | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 91 - 110 |      | Recovery = | 100.867% |        |          |
| 60) 4-Bromofluorobenzene    | 12.847         | 95   | 77631      | 28.031   | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 63 - 112 |      | Recovery = | 93.433%  |        |          |
| 63) Toluene-d8              | 10.565         | 98   | 164356     | 29.913   | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 91 - 112 |      | Recovery = | 99.700%  |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          |        |          |
|                             |                |      |            |          | Qvalue |          |
| 8) Diethyl Ether            | 3.959          | 74   | 3102m      | 2.062    | ug/l   |          |
| 23) tert-Butyl Alcohol      | 5.500          | 59   | 1322445    | 3593.640 | ug/l   | # 100    |
| 58) 4-Methyl-2-Pentanone    | 10.435         | 43   | 9286       | 2.820    | ug/l   | # 65     |
| 62) Toluene                 | 10.629         | 91   | 12926      | 1.284    | ug/l   | 97       |
| 64) Chlorobenzene           | 11.894         | 112  | 5868       | 1.046    | ug/l   | # 71     |
| 66) Ethyl Benzene           | 11.965         | 91   | 32079      | 3.029    | ug/l   | # 88     |
| 67) m/p-Xylenes             | 12.065         | 106  | 18321      | 4.813    | ug/l   | 97       |
| 68) o-Xylene                | 12.400         | 106  | 12698      | 3.345    | ug/l   | 96       |
| 70) Isopropylbenzene        | 12.694         | 105  | 10955      | 1.181    | ug/l   | 97       |
| 76) 1,3,5-Trimethylbenzene  | 13.176         | 105  | 4021       | 0.521    | ug/l   | 86       |
| 80) 1,2,4-Trimethylbenzene  | 13.482         | 105  | 9675       | 1.281    | ug/l   | 74       |
| 82) p-Isopropyltoluene      | 13.729         | 119  | 12959      | 1.915    | ug/l   | 89       |
| 84) 1,4-Dichlorobenzene     | 13.817         | 146  | 8531       | 2.469    | ug/l   | 89       |
| 91) Naphthalene             | 15.641         | 128  | 9935       | 1.510    | ug/l   | 99       |
| -----                       |                |      |            |          |        |          |

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

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