

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071025\  
 Data File : VN087325.D  
 Acq On : 10 Jul 2025 14:54  
 Operator : JC\MD  
 Sample : Q2554-01RE  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 250709071-01 VOARE

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/11/2025  
 Supervised By : Mahesh Dadoda 07/14/2025

Quant Time: Jul 11 01:11:49 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N062525W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Jun 25 10:49:56 2025  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Bromochloromethane       | 7.824          | 128  | 45487      | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 9.106          | 114  | 218252     | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 11.865         | 117  | 202986     | 30.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 8.588          | 65   | 89385      | 26.081   | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 91 - 110 |      | Recovery = | 86.933%# |        |          |
| 60) 4-Bromofluorobenzene    | 12.847         | 95   | 92385      | 29.494   | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 63 - 112 |      | Recovery = | 98.300%  |        |          |
| 63) Toluene-d8              | 10.565         | 98   | 253012     | 27.761   | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 91 - 112 |      | Recovery = | 92.533%  |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          |        | Qvalue   |
| 8) Diethyl Ether            | 3.989          | 74   | 7057       | 3.853    | ug/l   | 96       |
| 12) Methyl Acetate          | 5.053          | 43   | 12290m     | 2.844    | ug/l   |          |
| 15) Acetone                 | 4.442          | 58   | 572336     | 973.251  | ug/l   | 91       |
| 23) tert-Butyl Alcohol      | 5.530          | 59   | 3121269    | 4116.840 | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether | 5.824          | 73   | 15286m     | 1.582    | ug/l   |          |
| 30) 2-Butanone              | 7.488          | 43   | 2856568    | 1244.865 | ug/l   | 93       |
| 34) Benzene                 | 8.612          | 78   | 53882      | 5.000    | ug/l   | 95       |
| 45) 1,4-Dioxane             | 9.706          | 88   | 4531       | 99.244   | ug/l # | 82       |
| 58) 4-Methyl-2-Pentanone    | 10.453         | 43   | 30787      | 7.544    | ug/l   | 91       |
| 62) Toluene                 | 10.629         | 91   | 83890      | 7.317    | ug/l   | 100      |
| 64) Chlorobenzene           | 11.894         | 112  | 11859      | 1.622    | ug/l   | 97       |
| 66) Ethyl Benzene           | 11.965         | 91   | 99841      | 7.957    | ug/l   | 96       |
| 67) m/p-Xylenes             | 12.070         | 106  | 41647      | 8.661    | ug/l   | 94       |
| 68) o-Xylene                | 12.394         | 106  | 23170      | 5.051    | ug/l   | 99       |
| 70) Isopropylbenzene        | 12.694         | 105  | 18163      | 1.590    | ug/l   | 98       |
| 74) n-propylbenzene         | 13.035         | 91   | 8814       | 0.631    | ug/l   | 97       |
| 80) 1,2,4-Trimethylbenzene  | 13.482         | 105  | 30972      | 3.316    | ug/l   | 99       |
| 82) p-Isopropyltoluene      | 13.723         | 119  | 48841      | 5.164    | ug/l   | 95       |
| 84) 1,4-Dichlorobenzene     | 13.812         | 146  | 24736      | 4.605    | ug/l   | 97       |
| 91) Naphthalene             | 15.635         | 128  | 509087     | 45.433   | ug/l   | 100      |
| -----                       |                |      |            |          |        |          |

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

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