

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042221\  
 Data File : VN066714.D  
 Acq On : 22 Apr 2021 15:03  
 Operator : JC/MD  
 Sample : M2134-01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 210421084-02-VOA

Quant Time: Apr 23 06:30:43 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N042021W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Apr 21 16:55:39 2021  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|---------|--------|----------|
| -----                       |                |      |            |         |        |          |
| Internal Standards          |                |      |            |         |        |          |
| 1) Bromochloromethane       | 7.111          | 128  | 50770      | 30.00   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 8.516          | 114  | 273137     | 30.00   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 11.348         | 117  | 238084     | 30.00   | ug/l   | 0.00     |
|                             |                |      |            |         |        |          |
| System Monitoring Compounds |                |      |            |         |        |          |
| 27) 1,2-Dichloroethane-d4   | 7.953          | 65   | 108516     | 29.66   | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 91 - 110 |      | Recovery = | 98.87%  |        |          |
| 60) 4-Bromofluorobenzene    | 12.346         | 95   | 101008     | 27.07   | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 63 - 112 |      | Recovery = | 90.23%  |        |          |
| 63) Toluene-d8              | 10.029         | 98   | 334331     | 30.52   | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 91 - 112 |      | Recovery = | 101.73% |        |          |
|                             |                |      |            |         |        |          |
| Target Compounds            |                |      |            |         |        | Qvalue   |
| 8) Diethyl Ether            | 3.356          | 74   | 4215       | 2.30    | ug/l   | 71       |
| 12) Methyl Acetate          | 4.249          | 43   | 9014       | 2.51    | ug/l   | 94       |
| 15) Acetone                 | 3.748          | 58   | 346521     | 835.22  | ug/l   | 84       |
| 16) Carbon Disulfide        | 3.986          | 76   | 25164      | 3.09    | ug/l # | 93       |
| 23) tert-Butyl Alcohol      | 4.697          | 59   | 2675112    | 4972.04 | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether | 4.955          | 73   | 24264      | 2.64    | ug/l # | 53       |
| 30) 2-Butanone              | 6.741          | 43   | 2225360    | 1071.84 | ug/l   | 98       |
| 34) Benzene                 | 7.966          | 78   | 54492      | 3.93    | ug/l # | 63       |
| 58) 4-Methyl-2-Pentanone    | 9.922          | 43   | 19196      | 4.73    | ug/l   | 97       |
| 62) Toluene                 | 10.093         | 91   | 66124      | 4.89    | ug/l   | 99       |
| 64) Chlorobenzene           | 11.375         | 112  | 11653      | 1.44    | ug/l   | 97       |
| 66) Ethyl Benzene           | 11.453         | 91   | 149016     | 10.32   | ug/l   | 99       |
| 67) m/p-Xylenes             | 11.560         | 106  | 47632      | 8.79    | ug/l   | 98       |
| 68) o-Xylene                | 11.893         | 106  | 28451      | 5.41    | ug/l   | 94       |
| 70) Isopropylbenzene        | 12.193         | 105  | 17269      | 1.26    | ug/l   | 97       |
| 74) n-propylbenzene         | 12.542         | 91   | 7112       | 0.45    | ug/l   | 98       |
| 76) 1,3,5-Trimethylbenzene  | 12.679         | 105  | 8217       | 0.71    | ug/l   | 89       |
| 80) 1,2,4-Trimethylbenzene  | 12.984         | 105  | 35967      | 3.23    | ug/l   | 100      |
| 82) p-Isopropyltoluene      | 13.234         | 119  | 27650      | 2.50    | ug/l   | 96       |
| 84) 1,4-Dichlorobenzene     | 13.312         | 146  | 20215      | 3.63    | ug/l   | 97       |
| 91) Naphthalene             | 15.068         | 128  | 376234     | 47.80   | ug/l   | 100      |
| -----                       |                |      |            |         |        |          |

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

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