

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\  
 Data File : VN050307.D  
 Acq On : 3 Aug 2018 12:02  
 Operator : MD\SY  
 Sample : J4325-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SPDES-1

Manual Integrations  
 APPROVED

MMDadoda  
 8/6/2018 11:38:08 AM

Quant Time: Aug 03 23:18:09 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Jul 26 15:21:50 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.20  | 128  | 109859   | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.59  | 114  | 578451   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 446953   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |                |    |            |         |      |      |
|---------------------------|----------------|----|------------|---------|------|------|
| 27) 1,2-Dichloroethane-d4 | 8.03           | 65 | 230656     | 30.89   | ug/l | 0.00 |
| Spiked Amount 30.000      | Range 50 - 169 |    | Recovery = | 102.97% |      |      |
| 60) 4-Bromofluorobenzene  | 12.41          | 95 | 151160     | 22.01   | ug/l | 0.00 |
| Spiked Amount 30.000      | Range 56 - 143 |    | Recovery = | 73.37%  |      |      |
| 63) Toluene-d8            | 10.09          | 98 | 641513     | 30.05   | ug/l | 0.00 |
| Spiked Amount 30.000      | Range 66 - 137 |    | Recovery = | 100.17% |      |      |

## Target Compounds

|                        |       |     |       |      |        | Ovalue |
|------------------------|-------|-----|-------|------|--------|--------|
| 3) Chloromethane       | 2.06  | 50  | 2266  | 0.29 | ug/l   | 93     |
| 12) Methyl Acetate     | 4.33  | 43  | 11889 | 1.77 | ug/l   | 93     |
| 15) Acetone            | 3.83  | 58  | 2648  | 4.45 | ug/l # | 49     |
| 16) Carbon Disulfide   | 4.05  | 76  | 6540  | 0.36 | ug/l   | 95     |
| 18) Methylene Chloride | 4.55  | 84  | 2945m | 0.44 | ug/l   |        |
| 25) Chloroform         | 7.38  | 83  | 7993  | 0.66 | ug/l   | 87     |
| 91) Naphthalene        | 15.14 | 128 | 5254  | 7.94 | ug/l   | 97     |

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

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