

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\  
 Data File : VN050243.D  
 Acq On : 1 Aug 2018 12:40  
 Operator : MD\SY  
 Sample : J4256-07  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-A01

Manual Integrations  
 APPROVED

MMDadoda  
 8/2/2018 9:54:00 AM

Quant Time: Aug 02 11:21:32 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 26 18:10:10 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 7.67   | 168  | 672648   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59   | 114  | 1075672  | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.41  | 117  | 888007   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35  | 152  | 359614   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65   | 464815   | 49.53 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 99.06% |          |
| 35) Dibromofluoromethane    | 7.59   | 113  | 413644   | 47.10 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 94.20% |          |
| 50) Toluene-d8              | 10.09  | 98   | 1469351  | 45.51 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 91.02% |          |
| 62) 4-Bromofluorobenzene    | 12.40  | 95   | 421518   | 39.65 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 79.30% |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 19) Methyl tert-butyl Ether | 5.06   | 73   | 7351m    | 0.356 | ug/l   |          |
| 39) Methylcyclohexane       | 9.08   | 83   | 16953    | 1.360 | ug/l   | 96       |
| 73) Isopropylbenzene        | 12.25  | 105  | 142239   | 5.100 | ug/l   | 99       |
| 78) n-propylbenzene         | 12.59  | 91   | 152077   | 4.878 | ug/l   | 97       |
| 83) tert-Butylbenzene       | 12.99  | 119  | 20842    | 1.089 | ug/l   | 91       |
| 85) sec-Butylbenzene        | 13.17  | 105  | 146575   | 5.730 | ug/l   | 87       |
| 89) n-Butylbenzene          | 13.62  | 91   | 28404    | 1.603 | ug/l # | 80       |

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

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