

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061319\  
 Data File : VN056282.D  
 Acq On : 13 Jun 2019 15:31  
 Operator : JC/SP  
 Sample : K3345-13  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DUP-01\_061219

Manual Integrations  
 APPROVED

MMDadoda  
 6/14/2019 9:37:23 AM

Quant Time: Jun 14 01:53:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N060419W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 04 11:02:09 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.66  | 168  | 360905   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 592363   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 586890   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 224899   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 195668   | 54.60  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 109.20% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 180642   | 49.70  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.40%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 737834   | 52.76  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.52% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 260239   | 54.72  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 109.44% |          |
| Target Compounds            |       |      |          |        |         |          |
|                             |       |      |          |        | Qvalue  |          |
| 31) Cyclohexane             | 7.65  | 56   | 29117    | 5.121  | ug/l #  | 76       |
| 39) Methylcyclohexane       | 9.08  | 83   | 24343    | 3.837  | ug/l    | 96       |
| 52) Toluene                 | 10.16 | 92   | 3850     | 0.400  | ug/l    | 84       |
| 67) Ethyl Benzene           | 11.51 | 91   | 29614    | 1.458  | ug/l    | 93       |
| 68) m/p-Xylenes             | 11.63 | 106  | 4988     | 0.643  | ug/l    | 99       |
| 73) Isopropylbenzene        | 12.25 | 105  | 1110873  | 70.277 | ug/l    | 100      |
| 78) n-propylbenzene         | 12.59 | 91   | 446867   | 23.487 | ug/l    | 100      |
| 80) 1,3,5-Trimethylbenzene  | 12.73 | 105  | 4450m    | 0.294  | ug/l    |          |
| 84) 1,2,4-Trimethylbenzene  | 13.04 | 105  | 14959    | 1.043  | ug/l    | 97       |
| 85) sec-Butylbenzene        | 13.17 | 105  | 95995    | 5.697  | ug/l    | 86       |
| 86) p-Isopropyltoluene      | 13.29 | 119  | 5536m    | 0.367  | ug/l    |          |
| 89) n-Butylbenzene          | 13.61 | 91   | 31626    | 2.831  | ug/l #  | 76       |
| 95) Naphthalene             | 15.13 | 128  | 68870    | 9.760  | ug/l    | 99       |

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

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