

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070318\  
 Data File : VU025184.D  
 Acq On : 03 Jul 2018 12:14  
 Operator : MD/SY  
 Sample : J3809-09DL 20X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-1-062818DL

Manual Integrations  
 APPROVED

sam  
 7/5/2018 2:30:08 PM

Quant Time: Jul 04 05:20:40 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 13 13:55:26 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 4.99  | 168  | 216505   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.89  | 114  | 319549   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 297221   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.49 | 152  | 170900   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 162799   | 46.06  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.12% |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 125451   | 47.30  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.60% |          |
| 50) Toluene-d8              | 7.57  | 98   | 462282   | 47.79  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.58% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 175304   | 45.64  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.28% |          |
| Target Compounds            |       |      |          |        |        |          |
|                             |       |      |          |        | Qvalue |          |
| 11) Tert butyl alcohol      | 2.83  | 59   | 4029     | 4.687  | ug/l # | 72       |
| 16) Acetone                 | 2.33  | 43   | 3537     | 1.862  | ug/l # | 89       |
| 39) Methylcyclohexane       | 6.42  | 83   | 7177     | 1.532  | ug/l   | 93       |
| 40) Benzene                 | 5.39  | 78   | 40580    | 3.793  | ug/l   | 98       |
| 52) Toluene                 | 7.64  | 92   | 13299    | 1.932  | ug/l   | 99       |
| 67) Ethyl Benzene           | 9.25  | 91   | 498473   | 37.448 | ug/l   | 97       |
| 68) m/p-Xylenes             | 9.38  | 106  | 190417   | 37.253 | ug/l   | 98       |
| 69) o-Xylene                | 9.78  | 106  | 5127     | 1.014  | ug/l   | 88       |
| 73) Isopropylbenzene        | 10.17 | 105  | 32228    | 2.456  | ug/l   | 98       |
| 78) n-propylbenzene         | 10.59 | 91   | 91146    | 5.897  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene  | 10.78 | 105  | 4817m    | 0.424  | ug/l   |          |
| 84) 1,2,4-Trimethylbenzene  | 11.15 | 105  | 878290   | 75.782 | ug/l   | 100      |
| 85) sec-Butylbenzene        | 11.33 | 105  | 9627m    | 0.703  | ug/l   |          |
| 86) p-Isopropyltoluene      | 11.48 | 119  | 6726     | 0.548  | ug/l   | 91       |
| 89) n-Butylbenzene          | 11.89 | 91   | 9392m    | 0.863  | ug/l   |          |
| 95) Naphthalene             | 13.75 | 128  | 77472    | 6.761  | ug/l   | 98       |

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

