

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX080918\  
 Data File : VX003950.D  
 Acq On : 09 Aug 2018 15:03  
 Operator : JC/MD  
 Sample : J4387-09  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FL-0559

Manual Integrations  
 APPROVED

MMDadoda  
 8/10/2018 10:56:27 AM

Quant Time: Aug 20 01:16:07 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080618W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 07:45:48 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 349417   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 529456   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 502242   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 290752   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 218783   | 47.23   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 94.46%  |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 190866   | 47.58   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 95.16%  |          |
| 50) Toluene-d8              | 8.72  | 98   | 749532   | 48.05   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 96.10%  |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 278052   | 55.09   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 110.18% |          |
| Target Compounds            |       |      |          |         |         |          |
|                             |       |      |          |         | Qvalue  |          |
| 3) Chloromethane            | 1.32  | 50   | 31184    | 6.473   | ug/l #  | 52       |
| 16) Acetone                 | 2.45  | 43   | 6558     | 2.380   | ug/l    | 94       |
| 25) 2-Butanone              | 4.71  | 43   | 5140     | 1.241   | ug/l    | 99       |
| 31) Cyclohexane             | 5.57  | 56   | 376181   | 56.350  | ug/l    | 99       |
| 39) Methylcyclohexane       | 7.46  | 83   | 764277   | 109.315 | ug/l    | 98       |
| 52) Toluene                 | 8.79  | 92   | 46518    | 4.135   | ug/l    | 98       |
| 67) Ethyl Benzene           | 10.26 | 91   | 8524932  | 398.500 | ug/l    | 92       |
| 68) m/p-Xylenes             | 10.37 | 106  | 7333819  | 877.359 | ug/l    | 80       |
| 69) o-Xylene                | 10.71 | 106  | 5815496  | 737.000 | ug/l    | 87       |
| 73) Isopropylbenzene        | 11.02 | 105  | 1174600  | 54.611  | ug/l    | 96       |
| 78) n-propylbenzene         | 11.36 | 91   | 1541079  | 63.806  | ug/l    | 100      |
| 80) 1,3,5-Trimethylbenzene  | 11.51 | 105  | 1996091  | 113.812 | ug/l    | 98       |
| 83) tert-Butylbenzene       | 11.77 | 119  | 9986m    | 0.579   | ug/l    |          |
| 84) 1,2,4-Trimethylbenzene  | 11.81 | 105  | 7001003  | 396.998 | ug/l    | 92       |
| 85) sec-Butylbenzene        | 11.94 | 105  | 158999m  | 7.809   | ug/l    |          |
| 86) p-Isopropyltoluene      | 12.07 | 119  | 146688   | 8.028   | ug/l    | 99       |
| 95) Naphthalene             | 13.83 | 128  | 1313499  | 60.652  | ug/l    | 100      |

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

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