

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032619\  
 Data File : VX008458.D  
 Acq On : 26 Mar 2019 15:40  
 Operator : JC/SP  
 Sample : K2089-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-107

Manual Integrations  
 APPROVED

MMDadoda  
 3/27/2019 10:41:48 AM

Quant Time: Mar 27 03:41:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 26 07:57:20 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.   | QIon | Response  | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|------|-----------|----------|--------|----------|
| 1) Pentafluorobenzene       | 5.67   | 168  | 256338    | 50.00    | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene     | 6.86   | 114  | 417102    | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.12  | 117  | 340607    | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08  | 152  | 149325    | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds |        |      |           |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.11   | 65   | 179029    | 46.07    | ug/l   | 0.05     |
| Spiked Amount               | 50.000 |      | Recovery  | =        | 92.14% |          |
| 35) Dibromofluoromethane    | 5.51   | 113  | 116064    | 42.68    | ug/l   | 0.01     |
| Spiked Amount               | 50.000 |      | Recovery  | =        | 85.36% |          |
| 50) Toluene-d8              | 8.74   | 98   | 540931    | 49.74    | ug/l   | 0.02     |
| Spiked Amount               | 50.000 |      | Recovery  | =        | 99.48% |          |
| 62) 4-Bromofluorobenzene    | 11.14  | 95   | 175797    | 43.62    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery  | =        | 87.24% |          |
| Target Compounds            |        |      |           |          |        |          |
|                             |        |      |           |          | Qvalue |          |
| 8) Diethyl Ether            | 2.18   | 74   | 4600      | 2.034    | ug/l   | 97       |
| 11) Tert butyl alcohol      | 3.04   | 59   | 15673     | 18.203   | ug/l # | 72       |
| 16) Acetone                 | 2.44   | 43   | 224308    | 110.436  | ug/l   | 100      |
| 22) Diisopropyl ether       | 3.85   | 45   | 133918    | 10.352   | ug/l # | 81       |
| 25) 2-Butanone              | 4.67   | 43   | 163974    | 50.357   | ug/l   | 99       |
| 31) Cyclohexane             | 5.59   | 56   | 1053802   | 169.175  | ug/l   | 98       |
| 39) Methylcyclohexane       | 7.46   | 83   | 486902    | 91.612   | ug/l   | 93       |
| 40) Benzene                 | 6.15   | 78   | 53142971m | 3991.536 | ug/l   |          |
| 42) 1,2-Dichloroethane      | 6.24   | 62   | 2010413   | 412.422  | ug/l   | 89       |
| 45) 1,2-Dichloropropane     | 7.51   | 63   | 62288     | 16.460   | ug/l   | 91       |
| 52) Toluene                 | 8.80   | 92   | 51033637m | 6410.668 | ug/l   |          |
| 61) 1,2-Dibromoethane       | 9.68   | 107  | 715339    | 216.306  | ug/l   | 97       |
| 67) Ethyl Benzene           | 10.26  | 91   | 10448802  | 747.439  | ug/l # | 88       |
| 68) m/p-Xylenes             | 10.37  | 106  | 21542973m | 4236.018 | ug/l   |          |
| 69) o-Xylene                | 10.71  | 106  | 12149331  | 2461.721 | ug/l   | 52       |
| 73) Isopropylbenzene        | 11.02  | 105  | 828644    | 68.211   | ug/l   | 100      |
| 78) n-propylbenzene         | 11.36  | 91   | 1325899   | 93.170   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene  | 11.51  | 105  | 3895604   | 379.302  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene  | 11.82  | 105  | 12747644  | 1227.144 | ug/l   | 82       |
| 85) sec-Butylbenzene        | 11.94  | 105  | 75291m    | 6.380    | ug/l   |          |
| 86) p-Isopropyltoluene      | 12.07  | 119  | 38368m    | 3.685    | ug/l   |          |
| 95) Naphthalene             | 13.83  | 128  | 4515925   | 370.863  | ug/l   | 99       |

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

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