

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062419\  
 Data File : VX010407.D  
 Acq On : 24 Jun 2019 12:54  
 Operator : JC/SP  
 Sample : K3500-09  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 GW-A-061919

Manual Integrations  
 APPROVED

MMDadoda  
 6/25/2019 9:01:24 AM

Quant Time: Jun 25 04:03:52 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 20 03:31:56 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 304342   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 464720   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 417794   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 199370   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 138753   | 48.63   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 97.26%  |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 141026   | 49.60   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 99.20%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 548124   | 50.39   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 100.78% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 189936   | 48.36   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 96.72%  |          |
| Target Compounds            |       |      |          |         |         |          |
|                             |       |      |          |         | Qvalue  |          |
| 16) Acetone                 | 2.45  | 43   | 29251    | 20.454  | ug/l    | 97       |
| 25) 2-Butanone              | 4.68  | 43   | 13013    | 6.203   | ug/l    | 97       |
| 27) cis-1,2-Dichloroethene  | 4.61  | 96   | 1426     | 0.435   | ug/l    | 86       |
| 31) Cyclohexane             | 5.58  | 56   | 633931   | 153.802 | ug/l    | 97       |
| 39) Methylcyclohexane       | 7.46  | 83   | 103363   | 21.293  | ug/l    | 95       |
| 52) Toluene                 | 8.79  | 92   | 5603     | 0.740   | ug/l    | 95       |
| 67) Ethyl Benzene           | 10.25 | 91   | 1008762  | 70.447  | ug/l    | 100      |
| 68) m/p-Xylenes             | 10.36 | 106  | 452316   | 81.521  | ug/l    | 99       |
| 69) o-Xylene                | 10.69 | 106  | 30214    | 5.537   | ug/l    | 97       |
| 73) Isopropylbenzene        | 11.02 | 105  | 1317287  | 97.470  | ug/l    | 99       |
| 78) n-propylbenzene         | 11.36 | 91   | 3153288  | 212.294 | ug/l    | 100      |
| 80) 1,3,5-Trimethylbenzene  | 11.51 | 105  | 200832   | 18.026  | ug/l    | 100      |
| 83) tert-Butylbenzene       | 11.77 | 119  | 3812m    | 0.341   | ug/l    |          |
| 84) 1,2,4-Trimethylbenzene  | 11.81 | 105  | 6190227  | 553.016 | ug/l    | 98       |
| 85) sec-Butylbenzene        | 11.94 | 105  | 148510m  | 11.311  | ug/l    |          |
| 86) p-Isopropyltoluene      | 12.06 | 119  | 15351m   | 1.264   | ug/l    |          |
| 89) n-Butylbenzene          | 12.38 | 91   | 27609m   | 2.675   | ug/l    |          |
| 91) 1,2-Dichlorobenzene     | 12.39 | 146  | 3633     | 0.555   | ug/l    | 96       |
| 95) Naphthalene             | 13.83 | 128  | 3717808  | 266.467 | ug/l    | 99       |

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

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