

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121318\  
 Data File : VD060558.D  
 Acq On : 13 Dec 2018 13:52  
 Operator : VA/AP  
 Sample : J6199-05  
 Misc : 6.28g/5ml/MSVOA D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SU-04-121218-A

Quant Time: Dec 14 16:24:56 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D120518S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 06 01:49:20 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 6.39  | 168  | 1347633  | 50.00 | ug/l  | -0.03    |
| 34) 1,4-Difluorobenzene    | 7.43  | 114  | 1963974  | 50.00 | ug/l  | -0.03    |
| 63) Chlorobenzene-d5       | 11.26 | 117  | 1476993  | 50.00 | ug/l  | -0.02    |
| 72) 1,4-Dichlorobenzene-d4 | 13.36 | 152  | 649727   | 50.00 | ug/l  | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.77  | 65   | 416501   | 43.60 | ug/l   | -0.03    |
| Spiked Amount               |       |      | Recovery | =     | 87.20% |          |
| 35) Dibromofluoromethane    | 6.30  | 113  | 556688   | 38.59 | ug/l   | -0.03    |
| Spiked Amount               |       |      | Recovery | =     | 77.18% |          |
| 50) Toluene-d8              | 9.43  | 98   | 1380730  | 33.08 | ug/l   | -0.03    |
| Spiked Amount               |       |      | Recovery | =     | 66.16% |          |
| 62) 4-Bromofluorobenzene    | 12.42 | 95   | 500487   | 33.51 | ug/l   | -0.02    |
| Spiked Amount               |       |      | Recovery | =     | 67.02% |          |

| Target Compounds           | R.T.  | QIon | Response | Conc    | Units | Qvalue |
|----------------------------|-------|------|----------|---------|-------|--------|
| 16) Acetone                | 3.16  | 43   | 475631   | 310.646 | ug/l  | 100    |
| 20) Methylene Chloride     | 3.72  | 84   | 197557   | 10.521  | ug/l  | 98     |
| 52) Toluene                | 9.53  | 92   | 2131638  | 69.513  | ug/l  | 98     |
| 67) Ethyl Benzene          | 11.41 | 91   | 208817   | 3.918   | ug/l  | 95     |
| 68) m/p-Xylenes            | 11.54 | 106  | 300016   | 15.216  | ug/l  | 95     |
| 69) o-Xylene               | 11.92 | 106  | 218712   | 11.639  | ug/l  | 100    |
| 73) Isopropylbenzene       | 12.26 | 105  | 72035    | 1.567   | ug/l  | 98     |
| 78) n-propylbenzene        | 12.62 | 91   | 312510   | 5.377   | ug/l  | 97     |
| 80) 1,3,5-Trimethylbenzene | 12.78 | 105  | 342819   | 9.758   | ug/l  | 98     |
| 84) 1,2,4-Trimethylbenzene | 13.07 | 105  | 1456726  | 40.045  | ug/l  | 98     |
| 85) sec-Butylbenzene       | 13.20 | 105  | 103995   | 2.118   | ug/l  | 99     |
| 86) p-Isopropyltoluene     | 13.33 | 119  | 58739    | 1.509   | ug/l  | 98     |
| 89) n-Butylbenzene         | 13.64 | 91   | 251855   | 5.401   | ug/l  | 94     |
| 95) Naphthalene            | 14.95 | 128  | 311170   | 18.711  | ug/l  | 99     |

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

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