

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\  
 Data File : VD061996.D  
 Acq On : 24 Apr 2019 14:25  
 Operator : VA/AP  
 Sample : K2518-02  
 Misc : 5.01µl/5ml/MSVOA D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MUDDY-BAGS

Quant Time: Apr 25 09:09:56 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D042319S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 23 14:52:55 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.06  | 168  | 1216     | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.22  | 114  | 2535     | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 12.38 | 117  | 2628     | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 14.52 | 152  | 2194     | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 7.46   | 65  | 744      | 78.17 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 156.34% |      |
| 35) Dibromofluoromethane    | 0.00   | 113 | 0        | 0.00  | ug/l    |      |
| Spiked Amount               | 50.000 |     | Recovery | =     | 0.00%   |      |
| 50) Toluene-d8              | 10.42  | 98  | 1083     | 25.96 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 51.92%  |      |
| 62) 4-Bromofluorobenzene    | 13.56  | 95  | 1629     | 97.36 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 194.72% |      |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 5) Bromomethane                | 2.14  | 94   | 398      | Below Cal | #      | 12     |
| 10) Methyl Iodide              | 3.35  | 142  | 474      | 29.235    | ug/l # | 37     |
| 16) Acetone                    | 3.22  | 43   | 5920     | 2605.174  | ug/l # | 89     |
| 18) Methyl Acetate             | 3.66  | 43   | 217      | 52.775    | ug/l # | 53     |
| 20) Methylene Chloride         | 3.84  | 84   | 442      | 39.270    | ug/l # | 8      |
| 25) 2-Butanone                 | 6.09  | 43   | 250      | 90.740    | ug/l # | 56     |
| 37) Ethyl Acetate              | 6.09  | 43   | 250      | 29.704    | ug/l # | 64     |
| 51) 4-Methyl-2-Pentanone       | 10.30 | 43   | 787      | 104.646   | ug/l # | 37     |
| 81) trans-1,4-Dichloro-2-buten | 13.57 | 75   | 622      | 73.672    | ug/l # | 16     |
| 84) 1,2,4-Trimethylbenzene     | 14.24 | 105  | 447      | 4.012     | ug/l # | 30     |
| 85) sec-Butylbenzene           | 14.24 | 105  | 447      | 3.060     | ug/l # | 60     |
| 86) p-Isopropyltoluene         | 14.49 | 119  | 186      | 1.423     | ug/l # | 52     |
| 87) 1,3-Dichlorobenzene        | 14.54 | 146  | 305      | 4.148     | ug/l # | 25     |
| 88) 1,4-Dichlorobenzene        | 14.54 | 146  | 305      | 4.436     | ug/l # | 25     |
| 93) 1,2,4-Trichlorobenzene     | 15.95 | 180  | 223      | 6.815     | ug/l # | 11     |
| 95) Naphthalene                | 16.13 | 128  | 431      | 8.157     | ug/l # | 70     |

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

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