

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060419\  
 Data File : VD062602.D  
 Acq On : 4 Jun 2019 17:05  
 Operator : FY/SY  
 Sample : K3183-03  
 Misc : 5.32g/5mL/MSVOA D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SP-COMP-2

Quant Time: Jun 05 03:48:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D053019S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 31 02:08:29 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.04  | 168  | 13064    | 50.00 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 8.21  | 114  | 18964    | 50.00 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 12.36 | 117  | 21124    | 50.00 | ug/l  | -0.02    |
| 72) 1,4-Dichlorobenzene-d4 | 14.51 | 152  | 11523    | 50.00 | ug/l  | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.45  | 65   | 10516    | 68.65 | ug/l    | -0.02    |
| Spiked Amount               |       |      | Recovery | =     | 137.30% |          |
| 35) Dibromofluoromethane    | 6.92  | 113  | 8332     | 48.21 | ug/l    | -0.01    |
| Spiked Amount               |       |      | Recovery | =     | 96.42%  |          |
| 50) Toluene-d8              | 10.41 | 98   | 17480    | 46.17 | ug/l    | -0.01    |
| Spiked Amount               |       |      | Recovery | =     | 92.34%  |          |
| 62) 4-Bromofluorobenzene    | 13.55 | 95   | 9711     | 56.87 | ug/l    | -0.01    |
| Spiked Amount               |       |      | Recovery | =     | 113.74% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 3) Chloromethane               | 1.74  | 50   | 1578     | 7.484   | ug/l # | 43     |
| 4) Vinyl Chloride              | 1.93  | 62   | 181      | 1.564   | ug/l # | 42     |
| 5) Bromomethane                | 2.17  | 94   | 2295     | 61.060  | ug/l # | 40     |
| 6) Chloroethane                | 2.24  | 64   | 177      | 3.261   | ug/l # | 45     |
| 8) Diethyl Ether               | 2.87  | 74   | 209      | 6.661   | ug/l # | 1      |
| 10) Methyl Iodide              | 3.31  | 142  | 4712     | 28.751  | ug/l # | 60     |
| 11) Tert butyl alcohol         | 4.04  | 59   | 184      | 28.163  | ug/l # | 80     |
| 12) 1,1-Dichloroethene         | 3.13  | 96   | 318      | 3.112   | ug/l # | 1      |
| 13) Acrolein                   | 3.05  | 56   | 552      | 193.905 | ug/l # | 10     |
| 14) Allyl chloride             | 3.66  | 41   | 267      | 1.673   | ug/l # | 7      |
| 16) Acetone                    | 3.20  | 43   | 24165    | 802.913 | ug/l # | 76     |
| 18) Methyl Acetate             | 3.63  | 43   | 1038     | 21.131  | ug/l # | 63     |
| 20) Methylene Chloride         | 3.80  | 84   | 224      | 2.011   | ug/l # | 40     |
| 23) Vinyl Acetate              | 5.16  | 43   | 434      | 2.195   | ug/l # | 80     |
| 25) 2-Butanone                 | 6.05  | 43   | 213      | 7.515   | ug/l # | 62     |
| 29) Tetrahydrofuran            | 6.09  | 42   | 367      | 28.904  | ug/l # | 33     |
| 31) Cyclohexane                | 7.02  | 56   | 192      | 1.350   | ug/l # | 18     |
| 36) 1,1-Dichloropropene        | 7.01  | 75   | 683      | 3.618   | ug/l # | 41     |
| 37) Ethyl Acetate              | 6.16  | 43   | 204      | 2.563   | ug/l # | 72     |
| 38) Carbon Tetrachloride       | 7.03  | 117  | 861      | 3.063   | ug/l # | 15     |
| 43) Isopropyl Acetate          | 9.49  | 43   | 435      | 4.391   | ug/l # | 50     |
| 51) 4-Methyl-2-Pentanone       | 10.30 | 43   | 291      | 4.211   | ug/l # | 42     |
| 55) 1,1,2-Trichloroethane      | 11.23 | 97   | 1077     | 12.980  | ug/l # | 16     |
| 67) Ethyl Benzene              | 12.51 | 91   | 1287     | 1.707   | ug/l # | 47     |
| 68) m/p-Xylenes                | 12.67 | 106  | 334      | 1.281   | ug/l # | 66     |
| 74) N-amyl acetate             | 13.27 | 43   | 667      | 3.444   | ug/l # | 51     |
| 76) 1,2,3-Trichloropropane     | 13.73 | 75   | 858      | 6.206   | ug/l # | 42     |
| 78) n-propylbenzene            | 13.77 | 91   | 1398     | 1.597   | ug/l # | 57     |
| 79) 2-Chlorotoluene            | 13.77 | 91   | 1398     | 2.753   | ug/l # | 41     |
| 81) trans-1,4-Dichloro-2-buten | 13.55 | 75   | 3488     | 88.053  | ug/l # | 5      |
| 84) 1,2,4-Trimethylbenzene     | 14.23 | 105  | 3076     | 4.650   | ug/l   | 95     |
| 87) 1,3-Dichlorobenzene        | 14.45 | 146  | 581      | 1.609   | ug/l # | 25     |
| 88) 1,4-Dichlorobenzene        | 14.54 | 146  | 785      | 2.170   | ug/l # | 26     |
| 95) Naphthalene                | 16.12 | 128  | 3299     | 9.974   | ug/l # | 87     |

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|----------------------------|-------|------|----------|-------|--------|----------|
| 96) 1,2,3-Trichlorobenzene | 16.28 | 180  | 321      | 1.769 | ug/l # | 76       |

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

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