

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082019\  
 Data File : VD063703.D  
 Acq On : 21 Aug 2019 1:31  
 Operator : JC/SY  
 Sample : K4388-19  
 Misc : 4.22g/5ml/MSVOA D/SOIL  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 T6-E3-(0)

Quant Time: Aug 21 03:55:31 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D080919S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 10 06:42:47 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.02  | 168  | 3014     | 50.00 | ug/l  | -0.04    |
| 34) 1,4-Difluorobenzene    | 8.21  | 114  | 4345     | 50.00 | ug/l  | -0.02    |
| 63) Chlorobenzene-d5       | 12.36 | 117  | 2825     | 50.00 | ug/l  | -0.02    |
| 72) 1,4-Dichlorobenzene-d4 | 14.51 | 152  | 1033     | 50.00 | ug/l  | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.43  | 65   | 2919     | 90.60 | ug/l    | -0.04    |
| Spiked Amount               |       |      | Recovery | =     | 181.20% |          |
| 35) Dibromofluoromethane    | 6.89  | 113  | 1239     | 33.86 | ug/l    | -0.04    |
| Spiked Amount               |       |      | Recovery | =     | 67.72%  |          |
| 50) Toluene-d8              | 10.40 | 98   | 4166     | 51.78 | ug/l    | -0.02    |
| Spiked Amount               |       |      | Recovery | =     | 103.56% |          |
| 62) 4-Bromofluorobenzene    | 13.55 | 95   | 1658     | 45.47 | ug/l    | -0.01    |
| Spiked Amount               |       |      | Recovery | =     | 90.94%  |          |

| Target Compounds               | R.T.  | QIon | Response | Conc     | Units  | Qvalue |
|--------------------------------|-------|------|----------|----------|--------|--------|
| 3) Chloromethane               | 1.77  | 50   | 374      | 13.128   | ug/l # | 41     |
| 5) Bromomethane                | 2.17  | 94   | 686      | 51.405   | ug/l # | 11     |
| 13) Acrolein                   | 3.09  | 56   | 185      | 134.011  | ug/l # | 18     |
| 14) Allyl chloride             | 3.71  | 41   | 178      | 4.862    | ug/l # | 8      |
| 16) Acetone                    | 3.13  | 43   | 191      | 29.164   | ug/l # | 65     |
| 18) Methyl Acetate             | 3.67  | 43   | 194      | 15.639   | ug/l # | 57     |
| 19) Methyl tert-butyl Ether    | 4.15  | 73   | 232      | 4.763    | ug/l # | 60     |
| 23) Vinyl Acetate              | 4.90  | 43   | 187      | 4.258    | ug/l # | 82     |
| 25) 2-Butanone                 | 5.89  | 43   | 186      | 28.756   | ug/l # | 58     |
| 26) 2,2-Dichloropropane        | 6.00  | 77   | 323      | 6.921    | ug/l # | 59     |
| 37) Ethyl Acetate              | 6.23  | 43   | 178      | 11.059   | ug/l # | 73     |
| 40) Benzene                    | 7.45  | 78   | 232      | 2.745    | ug/l # | 50     |
| 48) Methyl methacrylate        | 8.93  | 41   | 194      | 13.270   | ug/l # | 18     |
| 49) 1,4-Dioxane                | 8.85  | 88   | 240      | 1817.659 | ug/l # | 34     |
| 51) 4-Methyl-2-Pentanone       | 10.33 | 43   | 334      | 22.643   | ug/l # | 40     |
| 52) Toluene                    | 10.50 | 92   | 201      | 3.692    | ug/l # | 1      |
| 54) cis-1,3-Dichloropropene    | 10.18 | 75   | 209      | 5.267    | ug/l # | 26     |
| 59) 2-Hexanone                 | 11.53 | 43   | 214      | 19.939   | ug/l # | 30     |
| 67) Ethyl Benzene              | 12.52 | 91   | 181      | 1.966    | ug/l # | 46     |
| 73) Isopropylbenzene           | 13.40 | 105  | 222      | 3.379    | ug/l # | 51     |
| 74) N-amyl acetate             | 13.33 | 43   | 180      | 10.913   | ug/l # | 53     |
| 76) 1,2,3-Trichloropropane     | 13.83 | 75   | 183      | 15.436   | ug/l # | 44     |
| 78) n-propylbenzene            | 13.84 | 91   | 196      | 2.550    | ug/l # | 53     |
| 79) 2-Chlorotoluene            | 13.84 | 91   | 196      | 4.422    | ug/l # | 44     |
| 81) trans-1,4-Dichloro-2-buten | 13.55 | 75   | 823      | 258.283  | ug/l # | 1      |
| 82) 4-Chlorotoluene            | 13.84 | 91   | 196      | 3.677    | ug/l # | 44     |
| 84) 1,2,4-Trimethylbenzene     | 14.24 | 105  | 208      | 3.916    | ug/l # | 31     |
| 85) sec-Butylbenzene           | 14.37 | 105  | 556      | 8.660    | ug/l # | 62     |
| 86) p-Isopropyltoluene         | 14.48 | 119  | 538      | 8.764    | ug/l # | 50     |
| 87) 1,3-Dichlorobenzene        | 14.45 | 146  | 213      | 6.558    | ug/l # | 23     |
| 88) 1,4-Dichlorobenzene        | 14.53 | 146  | 309      | 9.916    | ug/l # | 25     |
| 89) n-Butylbenzene             | 14.80 | 91   | 253      | 4.516    | ug/l # | 28     |
| 91) 1,2-Dichlorobenzene        | 14.81 | 146  | 208      | 7.548    | ug/l # | 25     |
| 94) Hexachlorobutadiene        | 15.92 | 225  | 253      | 16.371   | ug/l # | 19     |

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|-------|--|--|--|--|--|--|
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| ----- |  |  |  |  |  |  |

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

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