

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062320\  
 Data File : VD065865.D  
 Acq On : 23 Jun 2020 17:31  
 Operator : VA/SY  
 Sample : L3082-18  
 Misc : 5.83G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-19

Quant Time: Jun 24 04:44:58 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D060520S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 05 13:07:30 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 6375     | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 15176    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 18349    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 6915     | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |        |         |      |
|---------------------------|--------|-----|----------|--------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.33   | 65  | 26595    | 422.19 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 844.38% |      |
| 35) Dibromofluoromethane  | 7.91   | 113 | 12648    | 131.94 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 263.88% |      |
| 50) Toluene-d8            | 10.34  | 98  | 17094    | 47.82  | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 95.64%  |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 7968     | 65.73  | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 131.46% |      |

## Target Compounds

|                                |       |     |      |           |        | Qvalue |
|--------------------------------|-------|-----|------|-----------|--------|--------|
| 3) Chloromethane               | 2.21  | 50  | 129  | Below Cal | #      | 43     |
| 5) Bromomethane                | 2.78  | 94  | 226  | 3.436     | ug/l # | 5      |
| 11) Tert butyl alcohol         | 5.19  | 59  | 439  | 103.476   | ug/l # | 74     |
| 16) Acetone                    | 4.16  | 43  | 2995 | 252.049   | ug/l # | 84     |
| 18) Methyl Acetate             | 4.77  | 43  | 57   | Below Cal | #      | 52     |
| 20) Methylene Chloride         | 4.96  | 84  | 8201 | 137.768   | ug/l # | 84     |
| 25) 2-Butanone                 | 7.20  | 43  | 651  | 39.670    | ug/l # | 52     |
| 26) 2,2-Dichloropropane        | 7.19  | 77  | 1021 | 9.772     | ug/l # | 54     |
| 29) Tetrahydrofuran            | 7.57  | 42  | 61   | 5.881     | ug/l # | 34     |
| 36) 1,1-Dichloropropene        | 7.98  | 75  | 500  | 3.439     | ug/l # | 41     |
| 37) Ethyl Acetate              | 7.20  | 43  | 651  | 11.369    | ug/l # | 1      |
| 38) Carbon Tetrachloride       | 7.98  | 117 | 696  | 4.549     | ug/l # | 12     |
| 41) Methacrylonitrile          | 7.55  | 41  | 71   | 2.082     | ug/l # | 28     |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43  | 288  | 5.162     | ug/l # | 37     |
| 53) t-1,3-Dichloropropene      | 10.72 | 75  | 297  | 2.260     | ug/l # | 42     |
| 55) 1,1,2-Trichloroethane      | 10.73 | 97  | 218  | 3.012     | ug/l # | 15     |
| 56) Ethyl methacrylate         | 10.82 | 69  | 325  | 3.818     | ug/l # | 21     |
| 57) 1,3-Dichloropropane        | 11.09 | 76  | 142  | 1.133     | ug/l # | 42     |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63  | 83   | 2.097     | ug/l # | 46     |
| 59) 2-Hexanone                 | 10.99 | 43  | 62   | 1.648     | ug/l # | 26     |
| 76) 1,2,3-Trichloropropane     | 12.63 | 75  | 4929 | 91.653    | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.63 | 75  | 4929 | 198.028   | ug/l # | 10     |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105 | 438  | 1.134     | ug/l   | 70     |
| 92) 1,2-Dibromo-3-Chloropropan | 14.39 | 75  | 87   | 6.676     | ug/l # | 1      |
| 95) Naphthalene                | 15.40 | 128 | 303  | 1.413     | ug/l # | 69     |

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

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