

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031919\  
 Data File : VF062024.D  
 Acq On : 19 Mar 2019 18:20  
 Operator : VA/AP  
 Sample : K1958-03  
 Misc : 7.40g/5mL/MSVOA-F/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 TP-2

Quant Time: Mar 20 05:22:21 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F031619S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 18 07:28:40 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.86  | 168  | 6454     | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.58  | 114  | 7935     | 50.00 | ug/l  | -0.02    |
| 63) Chlorobenzene-d5       | 9.75  | 117  | 5813     | 50.00 | ug/l  | -0.02    |
| 72) 1,4-Dichlorobenzene-d4 | 12.53 | 152  | 1880     | 50.00 | ug/l  | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 4.81  | 65   | 1100     | 23.68  | ug/l    | -0.03    |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 47.36%  |          |
| 35) Dibromofluoromethane    | 4.09  | 113  | 2182     | 40.95  | ug/l    | -0.02    |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 81.90%  |          |
| 50) Toluene-d8              | 7.54  | 98   | 8119     | 52.12  | ug/l    | -0.02    |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 104.24% |          |
| 62) 4-Bromofluorobenzene    | 11.40 | 95   | 1913     | 30.91  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 61.82%  |          |

| Target Compounds              | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|-------------------------------|-------|------|----------|---------|--------|--------|
| 3) Chloromethane              | 1.10  | 50   | 108      | 1.545   | ug/l # | 46     |
| 4) Vinyl Chloride             | 0.99  | 62   | 79       | 1.168   | ug/l # | 40     |
| 5) Bromomethane               | 1.34  | 94   | 652      | 13.725  | ug/l # | 3      |
| 9) 1,1,2-Trichlorotrifluoroet | 1.85  | 101  | 66       | 1.046   | ug/l # | 18     |
| 12) 1,1-Dichloroethene        | 1.78  | 96   | 77       | 1.414   | ug/l # | 1      |
| 13) Acrolein                  | 1.92  | 56   | 515      | 167.811 | ug/l   | 91     |
| 14) Allyl chloride            | 2.08  | 41   | 653      | 9.391   | ug/l # | 70     |
| 15) Acrylonitrile             | 2.94  | 53   | 313      | 36.206  | ug/l # | 18     |
| 16) Acetone                   | 2.22  | 43   | 1372     | 131.513 | ug/l # | 50     |
| 18) Methyl Acetate            | 2.40  | 43   | 634      | 29.705  | ug/l # | 63     |
| 19) Methyl tert-butyl Ether   | 2.45  | 73   | 131      | 1.327   | ug/l # | 1      |
| 20) Methylene Chloride        | 2.16  | 84   | 183      | 3.407   | ug/l # | 48     |
| 21) trans-1,2-Dichloroethene  | 2.29  | 96   | 135      | 2.375   | ug/l # | 1      |
| 22) Diisopropyl ether         | 2.80  | 45   | 568      | 3.396   | ug/l # | 1      |
| 23) Vinyl Acetate             | 3.17  | 43   | 769      | 11.664  | ug/l # | 77     |
| 25) 2-Butanone                | 4.33  | 43   | 167      | 8.083   | ug/l # | 51     |
| 26) 2,2-Dichloropropane       | 3.63  | 77   | 70       | 1.526   | ug/l # | 54     |
| 27) cis-1,2-Dichloroethene    | 3.32  | 96   | 72       | 1.005   | ug/l   | 1      |
| 29) Tetrahydrofuran           | 4.06  | 42   | 105      | 11.686  | ug/l # | 33     |
| 36) 1,1-Dichloropropene       | 4.28  | 75   | 73       | 1.019   | ug/l # | 42     |
| 37) Ethyl Acetate             | 4.10  | 43   | 389      | 12.090  | ug/l # | 19     |
| 41) Methacrylonitrile         | 4.82  | 41   | 157      | 9.133   | ug/l # | 1      |
| 43) Isopropyl Acetate         | 6.91  | 43   | 61       | 1.602   | ug/l # | 38     |
| 47) Bromodichloromethane      | 6.38  | 83   | 64       | 1.016   | ug/l # | 25     |
| 48) Methyl methacrylate       | 6.66  | 41   | 73       | 2.967   | ug/l # | 20     |
| 51) 4-Methyl-2-Pentanone      | 8.25  | 43   | 63       | 2.331   | ug/l # | 36     |
| 54) cis-1,3-Dichloropropene   | 7.31  | 75   | 85       | 1.224   | ug/l # | 34     |
| 56) Ethyl methacrylate        | 8.69  | 69   | 81       | 2.201   | ug/l # | 24     |
| 59) 2-Hexanone                | 9.44  | 43   | 192      | 9.814   | ug/l # | 23     |
| 74) N-amyl acetate            | 11.34 | 43   | 162      | 5.443   | ug/l # | 43     |
| 75) 1,1,2,2-Tetrachloroethane | 11.76 | 83   | 72       | 3.358   | ug/l # | 22     |

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

