

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021219\  
 Data File : VF061608.D  
 Acq On : 12 Feb 2019 14:53  
 Operator : VA/AP  
 Sample : K1343-03  
 Misc : 6.13g/5mL/MSVOA-F/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 JC-02-021119-B

Quant Time: Feb 13 02:48:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F011519S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 16 04:51:59 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T. | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.90 | 168  | 76       | 50.00 | ug/l  | 0.03     |
| 34) 1,4-Difluorobenzene    | 5.38 | 114  | 111      | 50.00 | ug/l  | -0.21    |
| 63) Chlorobenzene-d5       | 0.00 | 117  | 0        | 0.00  | ug/l  | -9.77    |
| 72) 1,4-Dichlorobenzene-d4 | 0.00 | 152  | 0        | 0.00  | ug/l  | -12.55   |

|                             |        |     |          |        |         |       |
|-----------------------------|--------|-----|----------|--------|---------|-------|
| System Monitoring Compounds |        |     |          |        |         |       |
| 33) 1,2-Dichloroethane-d4   | 0.00   | 65  | 0        | 0.00   | ug/l    |       |
| Spiked Amount               | 50.000 |     | Recovery | =      | 0.00%   |       |
| 35) Dibromofluoromethane    | 0.00   | 113 | 0        | 0.00   | ug/l    |       |
| Spiked Amount               | 50.000 |     | Recovery | =      | 0.00%   |       |
| 50) Toluene-d8              | 0.00   | 98  | 0        | 0.00   | ug/l    |       |
| Spiked Amount               | 50.000 |     | Recovery | =      | 0.00%   |       |
| 62) 4-Bromofluorobenzene    | 10.81  | 95  | 160      | 142.70 | ug/l    | -0.60 |
| Spiked Amount               | 50.000 |     | Recovery | =      | 285.40% |       |

| Target Compounds              | R.T. | QIon | Response | Conc      | Units  | Qvalue |
|-------------------------------|------|------|----------|-----------|--------|--------|
| 3) Chloromethane              | 1.13 | 50   | 218      | 199.098   | ug/l # | 44     |
| 4) Vinyl Chloride             | 1.20 | 62   | 115      | 118.070   | ug/l # | 43     |
| 5) Bromomethane               | 1.34 | 94   | 961      | 1513.054  | ug/l # | 2      |
| 6) Chloroethane               | 1.40 | 64   | 65       | 150.608   | ug/l # | 1      |
| 7) Trichlorofluoromethane     | 1.46 | 101  | 67       | 35.384    | ug/l # | 19     |
| 8) Diethyl Ether              | 1.68 | 74   | 81       | 333.853   | ug/l   | 88     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.77 | 101  | 61       | 67.046    | ug/l # | 39     |
| 12) 1,1-Dichloroethene        | 1.81 | 96   | 101      | 149.421   | ug/l # | 1      |
| 13) Acrolein                  | 2.10 | 56   | 417      | 11695.679 | ug/l   | 92     |
| 14) Allyl chloride            | 2.11 | 41   | 524      | 288.463   | ug/l # | 53     |
| 15) Acrylonitrile             | 2.94 | 53   | 167      | 1641.506  | ug/l # | 14     |
| 16) Acetone                   | 2.38 | 43   | 345      | 1832.790  | ug/l   | 94     |
| 17) Carbon Disulfide          | 1.79 | 76   | 83       | 39.381    | ug/l # | 69     |
| 18) Methyl Acetate            | 2.34 | 43   | 967      | 2590.378  | ug/l # | 61     |
| 19) Methyl tert-butyl Ether   | 2.40 | 73   | 64       | 42.237    | ug/l # | 1      |
| 20) Methylene Chloride        | 2.19 | 84   | 60       | 95.499    | ug/l # | 48     |
| 21) trans-1,2-Dichloroethene  | 2.33 | 96   | 194      | 260.859   | ug/l # | 6      |
| 22) Diisopropyl ether         | 2.82 | 45   | 671      | 278.951   | ug/l # | 49     |
| 23) Vinyl Acetate             | 3.17 | 43   | 482      | 452.936   | ug/l # | 78     |
| 24) 1,1-Dichloroethane        | 2.89 | 63   | 150      | 99.356    | ug/l # | 85     |
| 25) 2-Butanone                | 4.39 | 43   | 120      | 383.349   | ug/l # | 57     |
| 26) 2,2-Dichloropropane       | 3.56 | 77   | 104      | 112.122   | ug/l # | 61     |
| 27) cis-1,2-Dichloroethene    | 3.49 | 96   | 62       | 56.476    | ug/l   | 1      |
| 29) Tetrahydrofuran           | 4.10 | 42   | 96       | 712.224   | ug/l # | 38     |
| 31) Cyclohexane               | 3.69 | 56   | 70       | 46.417    | ug/l # | 13     |
| 36) 1,1-Dichloropropene       | 4.08 | 75   | 94       | 73.039    | ug/l # | 44     |
| 37) Ethyl Acetate             | 3.95 | 43   | 296      | 575.369   | ug/l # | 53     |
| 41) Methacrylonitrile         | 4.51 | 41   | 264      | 964.412   | ug/l # | 29     |
| 43) Isopropyl Acetate         | 6.66 | 43   | 153      | 236.962   | ug/l # | 51     |
| 44) Trichloroethene           | 5.17 | 130  | 93       | 105.862   | ug/l   | 1      |
| 45) 1,2-Dichloropropane       | 6.02 | 63   | 63       | 83.820    | ug/l # | 44     |
| 48) Methyl methacrylate       | 6.43 | 41   | 83       | 191.433   | ug/l # | 20     |
| 51) 4-Methyl-2-Pentanone      | 7.92 | 43   | 79       | 166.431   | ug/l # | 39     |
| 53) t-1,3-Dichloropropene     | 7.86 | 75   | 65       | 66.200    | ug/l # | 44     |

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Quant Title : SW846 8260  
QLast Update : Wed Jan 16 04:51:59 2019  
Response via : Initial Calibration

| Internal Standards          | R.T. | QIon | Response | Conc    | Units  | Dev(Min) |
|-----------------------------|------|------|----------|---------|--------|----------|
| 54) cis-1,3-Dichloropropene | 6.94 | 75   | 60       | 48.887  | ug/l # | 28       |
| 55) 1,1,2-Trichloroethane   | 8.22 | 97   | 94       | 175.524 | ug/l # | 14       |
| 56) Ethyl methacrylate      | 8.22 | 69   | 72       | 115.558 | ug/l # | 24       |
| 57) 1,3-Dichloropropane     | 8.41 | 76   | 62       | 61.765  | ug/l # | 43       |
| 59) 2-Hexanone              | 9.08 | 43   | 273      | 824.779 | ug/l # | 26       |

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

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