

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050719\  
 Data File : VF062352.D  
 Acq On : 7 May 2019 12:45  
 Operator : FY/SY  
 Sample : K2678-02  
 Misc : 4.08g/5mL/MSVOA F/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 FK-0D015-03-003

Quant Time: May 07 13:21:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82F050619S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 07 04:34:57 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.10  | 168  | 109      | 50.00 | ug/l  | 0.05     |
| 34) 1,4-Difluorobenzene    | 5.91  | 114  | 86       | 50.00 | ug/l  | 0.14     |
| 63) Chlorobenzene-d5       | 10.16 | 117  | 68       | 50.00 | ug/l  | 0.26     |
| 72) 1,4-Dichlorobenzene-d4 | 12.63 | 152  | 61       | 50.00 | ug/l  | 0.02     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.02  | 65   | 109      | 105.82 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 211.64% |          |
| 35) Dibromofluoromethane    | 4.17  | 113  | 99       | 144.49 | ug/l    | -0.13    |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 288.98% |          |
| 50) Toluene-d8              | 8.02  | 98   | 60       | 36.18  | ug/l    | 0.31     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 72.36%  |          |
| 62) 4-Bromofluorobenzene    | 11.75 | 95   | 80       | 106.92 | ug/l    | 0.26     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 213.84% |          |

| Target Compounds             | R.T. | QIon | Response | Conc     | Units  | Qvalue |
|------------------------------|------|------|----------|----------|--------|--------|
| 2) Dichlorodifluoromethane   | 1.03 | 85   | 69       | 54.697   | ug/l # | 41     |
| 3) Chloromethane             | 1.18 | 50   | 77       | 92.549   | ug/l # | 42     |
| 4) Vinyl Chloride            | 1.18 | 62   | 65       | 78.325   | ug/l # | 42     |
| 5) Bromomethane              | 1.44 | 94   | 72       | 118.417  | ug/l # | 3      |
| 6) Chloroethane              | 1.48 | 64   | 69       | 165.379  | ug/l # | 1      |
| 7) Trichlorofluoromethane    | 1.63 | 101  | 86       | 49.947   | ug/l # | 20     |
| 8) Diethyl Ether             | 1.69 | 74   | 73       | 280.197  | ug/l   | 72     |
| 10) Methyl Iodide            | 1.83 | 142  | 109      | 67.286   | ug/l # | 29     |
| 11) Tert butyl alcohol       | 2.74 | 59   | 287      | 4929.739 | ug/l # | 12     |
| 12) 1,1-Dichloroethene       | 1.90 | 96   | 61       | 72.993   | ug/l # | 44     |
| 13) Acrolein                 | 2.13 | 56   | 66       | 1980.167 | ug/l # | 13     |
| 14) Allyl chloride           | 2.21 | 41   | 719      | 973.973  | ug/l # | 9      |
| 15) Acrylonitrile            | 3.14 | 53   | 313      | 2838.225 | ug/l # | 38     |
| 16) Acetone                  | 2.35 | 43   | 368      | 1765.999 | ug/l # | 58     |
| 17) Carbon Disulfide         | 1.94 | 76   | 175      | 96.039   | ug/l # | 71     |
| 18) Methyl Acetate           | 2.48 | 43   | 403      | 1127.998 | ug/l # | 58     |
| 19) Methyl tert-butyl Ether  | 2.58 | 73   | 458      | 265.495  | ug/l # | 1      |
| 20) Methylene Chloride       | 2.39 | 84   | 60       | 79.584   | ug/l # | 1      |
| 21) trans-1,2-Dichloroethene | 2.45 | 96   | 100      | 125.595  | ug/l # | 1      |
| 22) Diisopropyl ether        | 2.98 | 45   | 75       | 32.507   | ug/l # | 1      |
| 23) Vinyl Acetate            | 3.36 | 43   | 88       | 85.578   | ug/l # | 79     |
| 24) 1,1-Dichloroethane       | 3.00 | 63   | 70       | 50.199   | ug/l # | 86     |
| 25) 2-Butanone               | 4.56 | 43   | 193      | 737.220  | ug/l # | 60     |
| 26) 2,2-Dichloropropane      | 3.69 | 77   | 340      | 436.615  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene   | 3.73 | 96   | 150      | 150.713  | ug/l   | 40     |
| 28) Bromochloromethane       | 3.93 | 49   | 65       | 102.782  | ug/l # | 1      |
| 29) Tetrahydrofuran          | 4.26 | 42   | 232      | 1928.198 | ug/l # | 62     |
| 30) Chloroform               | 3.98 | 83   | 71       | 37.688   | ug/l # | 19     |
| 31) Cyclohexane              | 3.94 | 56   | 179      | 160.825  | ug/l # | 16     |
| 32) 1,1,1-Trichloroethane    | 4.26 | 97   | 68       | 42.116   | ug/l # | 22     |
| 36) 1,1-Dichloropropene      | 4.58 | 75   | 71       | 96.106   | ug/l # | 1      |
| 37) Ethyl Acetate            | 4.38 | 43   | 575      | 2228.283 | ug/l # | 73     |
| 38) Carbon Tetrachloride     | 4.43 | 117  | 61       | 81.348   | ug/l # | 14     |
| 39) Methylcyclohexane        | 5.89 | 83   | 60       | 80.980   | ug/l # | 14     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050719\  
 Data File : VF062352.D  
 Acq On : 7 May 2019 12:45  
 Operator : FY/SY  
 Sample : K2678-02  
 Misc : 4.08g/5mL/MSVOA F/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 FK-0D015-03-003

Quant Time: May 07 13:21:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82F050619S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 07 04:34:57 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 40) Benzene                    | 4.91  | 78   | 90       | 55.323   | ug/l # | 48       |
| 41) Methacrylonitrile          | 5.06  | 41   | 245      | 1383.066 | ug/l # | 18       |
| 42) 1,2-Dichloroethane         | 5.23  | 62   | 79       | 116.109  | ug/l # | 82       |
| 43) Isopropyl Acetate          | 7.27  | 43   | 481      | 1431.420 | ug/l # | 48       |
| 44) Trichloroethene            | 5.75  | 130  | 63       | 105.421  | ug/l   | 2        |
| 45) 1,2-Dichloropropane        | 6.72  | 63   | 116      | 314.808  | ug/l # | 43       |
| 47) Bromodichloromethane       | 6.62  | 83   | 80       | 104.734  | ug/l # | 27       |
| 48) Methyl methacrylate        | 7.03  | 41   | 305      | 1284.379 | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone       | 8.50  | 43   | 179      | 702.996  | ug/l   | 92       |
| 52) Toluene                    | 8.08  | 92   | 60       | 59.785   | ug/l # | 54       |
| 53) t-1,3-Dichloropropene      | 8.67  | 75   | 67       | 115.974  | ug/l # | 1        |
| 54) cis-1,3-Dichloropropene    | 7.66  | 75   | 78       | 116.010  | ug/l # | 21       |
| 55) 1,1,2-Trichloroethane      | 8.93  | 97   | 60       | 188.328  | ug/l # | 14       |
| 56) Ethyl methacrylate         | 8.93  | 69   | 66       | 196.249  | ug/l # | 1        |
| 57) 1,3-Dichloropropane        | 9.23  | 76   | 61       | 126.756  | ug/l # | 42       |
| 58) 2-Chloroethyl Vinyl ether  | 7.52  | 63   | 85       | 840.676  | ug/l # | 42       |
| 59) 2-Hexanone                 | 9.76  | 43   | 268      | 1521.874 | ug/l   | 68       |
| 61) 1,2-Dibromoethane          | 9.52  | 107  | 61       | 162.907  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.96  | 131  | 143      | 251.947  | ug/l   | 95       |
| 67) Ethyl Benzene              | 10.08 | 91   | 62       | 31.470   | ug/l # | 45       |
| 68) m/p-Xylenes                | 10.25 | 106  | 67       | 92.170   | ug/l # | 25       |
| 69) o-Xylene                   | 10.84 | 106  | 76       | 96.756   | ug/l   | 67       |
| 70) Styrene                    | 10.64 | 104  | 63       | 53.516   | ug/l # | 1        |
| 73) Isopropylbenzene           | 11.20 | 105  | 99       | 27.376   | ug/l # | 50       |
| 74) N-amyl acetate             | 11.44 | 43   | 633      | 815.329  | ug/l # | 57       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.84 | 83   | 83       | 146.585  | ug/l # | 22       |
| 76) 1,2,3-Trichloropropane     | 11.88 | 75   | 132      | 305.560  | ug/l # | 100      |
| 78) n-propylbenzene            | 11.60 | 91   | 82       | 21.298   | ug/l # | 52       |
| 79) 2-Chlorotoluene            | 11.81 | 91   | 62       | 25.897   | ug/l # | 39       |
| 80) 1,3,5-Trimethylbenzene     | 11.86 | 105  | 68       | 21.453   | ug/l # | 28       |
| 81) trans-1,4-Dichloro-2-buten | 11.99 | 75   | 90       | 554.252  | ug/l # | 5        |
| 82) 4-Chlorotoluene            | 11.98 | 91   | 355      | 150.133  | ug/l # | 39       |
| 83) tert-Butylbenzene          | 12.20 | 119  | 96       | 28.819   | ug/l # | 1        |
| 84) 1,2,4-Trimethylbenzene     | 12.27 | 105  | 109      | 35.140   | ug/l # | 31       |
| 85) sec-Butylbenzene           | 12.37 | 105  | 178      | 43.900   | ug/l # | 57       |
| 86) p-Isopropyltoluene         | 12.50 | 119  | 124      | 32.916   | ug/l # | 41       |
| 89) n-Butylbenzene             | 12.75 | 91   | 83       | 24.765   | ug/l # | 29       |
| 90) Hexachloroethane           | 12.99 | 117  | 67       | 71.231   | ug/l # | 3        |
| 92) 1,2-Dibromo-3-Chloropropan | 13.66 | 75   | 151      | 1190.364 | ug/l # | 1        |
| 93) 1,2,4-Trichlorobenzene     | 14.23 | 180  | 64       | 42.529   | ug/l # | 11       |
| 95) Naphthalene                | 14.48 | 128  | 217      | 95.914   | ug/l # | 69       |
| 96) 1,2,3-Trichlorobenzene     | 14.63 | 180  | 75       | 51.444   | ug/l # | 11       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF050719\  
 Data File : VF062352.D  
 Acq On : 7 May 2019 12:45  
 Operator : FY/SY  
 Sample : K2678-02  
 Misc : 4.08q/5mL/MSVOA F/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 FK-0D015-03-003

Quant Time: May 07 13:21:13 2019  
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82F050619S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 07 04:34:57 2019  
 Response via : Initial Calibration

