

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_F\DATA\VF121018\  
 Data File : VF060957.D  
 Acq On : 10 Dec 2018 16:54  
 Operator : VA/AP  
 Sample : J6327-02RE  
 Misc : 5.07g/5mL/MSVOA-F/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 STOCK-PILERE

Quant Time: Dec 11 04:57:34 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F112618S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 27 01:36:26 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.88  | 168  | 14581    | 50.00 | ug/l  | -0.03    |
| 34) 1,4-Difluorobenzene    | 5.60  | 114  | 17358    | 50.00 | ug/l  | -0.04    |
| 63) Chlorobenzene-d5       | 9.77  | 117  | 11384    | 50.00 | ug/l  | -0.04    |
| 72) 1,4-Dichlorobenzene-d4 | 12.55 | 152  | 4059     | 50.00 | ug/l  | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 4.84  | 65   | 2134     | 12.42 | ug/l   | -0.04    |
| Spiked Amount               |       |      | Recovery | =     | 24.84% |          |
| 35) Dibromofluoromethane    | 4.10  | 113  | 3233     | 23.48 | ug/l   | -0.05    |
| Spiked Amount               |       |      | Recovery | =     | 46.96% |          |
| 50) Toluene-d8              | 7.55  | 98   | 14241    | 35.11 | ug/l   | -0.04    |
| Spiked Amount               |       |      | Recovery | =     | 70.22% |          |
| 62) 4-Bromofluorobenzene    | 11.41 | 95   | 3495     | 18.96 | ug/l   | -0.03    |
| Spiked Amount               |       |      | Recovery | =     | 37.92% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 3) Chloromethane               | 1.08  | 50   | 351      | 2.474   | ug/l # | 41     |
| 5) Bromomethane                | 1.34  | 94   | 291      | 3.119   | ug/l # | 63     |
| 6) Chloroethane                | 1.40  | 64   | 60       | 1.049   | ug/l # | 1      |
| 8) Diethyl Ether               | 1.55  | 74   | 154      | 3.772   | ug/l   | 46     |
| 11) Tert butyl alcohol         | 2.48  | 59   | 85       | 12.072  | ug/l # | 1      |
| 13) Acrolein                   | 2.09  | 56   | 329      | 49.315  | ug/l   | 94     |
| 14) Allyl chloride             | 2.12  | 41   | 518      | 3.600   | ug/l # | 64     |
| 15) Acrylonitrile              | 2.94  | 53   | 835      | 52.895  | ug/l # | 26     |
| 16) Acetone                    | 2.30  | 43   | 797      | 25.162  | ug/l   | 98     |
| 18) Methyl Acetate             | 2.38  | 43   | 837      | 14.581  | ug/l # | 61     |
| 23) Vinyl Acetate              | 3.22  | 43   | 726      | 4.055   | ug/l # | 80     |
| 25) 2-Butanone                 | 4.37  | 43   | 990      | 18.070  | ug/l # | 57     |
| 26) 2,2-Dichloropropane        | 3.68  | 77   | 310      | 2.052   | ug/l # | 60     |
| 29) Tetrahydrofuran            | 4.08  | 42   | 153      | 6.588   | ug/l # | 37     |
| 37) Ethyl Acetate              | 4.16  | 43   | 223      | 2.850   | ug/l # | 14     |
| 41) Methacrylonitrile          | 4.73  | 41   | 383      | 6.045   | ug/l # | 39     |
| 43) Isopropyl Acetate          | 6.90  | 43   | 982      | 7.882   | ug/l # | 49     |
| 48) Methyl methacrylate        | 6.72  | 41   | 376      | 5.309   | ug/l # | 40     |
| 49) 1,4-Dioxane                | 6.81  | 88   | 71       | 136.984 | ug/l # | 17     |
| 51) 4-Methyl-2-Pentanone       | 8.25  | 43   | 586      | 8.122   | ug/l # | 38     |
| 59) 2-Hexanone                 | 9.47  | 43   | 398      | 7.863   | ug/l # | 27     |
| 74) N-amyl acetate             | 11.39 | 43   | 732      | 9.883   | ug/l # | 48     |
| 75) 1,1,2,2-Tetrachloroethane  | 11.67 | 83   | 65       | 1.231   | ug/l # | 25     |
| 92) 1,2-Dibromo-3-Chloropropan | 13.63 | 75   | 59       | 5.781   | ug/l # | 1      |
| 95) Naphthalene                | 14.46 | 128  | 861      | 1.627   | ug/l # | 59     |

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

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