

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\  
 Data File : VF059807.D  
 Acq On : 2 Aug 2018 18:17  
 Operator : VA/AP  
 Sample : J4231-09RE  
 Misc : 5.02g/5mL/MSVOA F/SOIL  
 ALS Vial : 90 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 2018-NYSEG-CLARK-AREA-14-5RE

Quant Time: Aug 03 07:05:14 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F073018S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 31 15:23:22 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.03  | 168  | 1475     | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.75  | 114  | 1578     | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.90  | 117  | 860      | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.62 | 152  | 244      | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |       |
|-----------------------------|--------|-----|----------|-------|--------|-------|
| System Monitoring Compounds |        |     |          |       |        |       |
| 33) 1,2-Dichloroethane-d4   | 4.98   | 65  | 708      | 26.71 | ug/l   | -0.04 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 53.42% |       |
| 35) Dibromofluoromethane    | 4.28   | 113 | 561      | 34.23 | ug/l   | 0.00  |
| Spiked Amount               | 50.000 |     | Recovery | =     | 68.46% |       |
| 50) Toluene-d8              | 7.70   | 98  | 1438     | 37.62 | ug/l   | 0.00  |
| Spiked Amount               | 50.000 |     | Recovery | =     | 75.24% |       |
| 62) 4-Bromofluorobenzene    | 11.50  | 95  | 380      | 17.96 | ug/l   | 0.00  |
| Spiked Amount               | 50.000 |     | Recovery | =     | 35.92% |       |

| Target Compounds             | R.T. | QIon | Response | Conc      | Units | Qvalue |
|------------------------------|------|------|----------|-----------|-------|--------|
| 2) Dichlorodifluoromethane   | 0.86 | 85   | 66       | Below Cal | #     | 44     |
| 3) Chloromethane             | 1.09 | 50   | 78       | 4.64      | ug/l  | 38     |
| 4) Vinyl Chloride            | 1.15 | 62   | 69       | 4.19      | ug/l  | 47     |
| 6) Chloroethane              | 1.52 | 64   | 90       | 12.97     | ug/l  | 48     |
| 8) Diethyl Ether             | 1.70 | 74   | 71       | 15.07     | ug/l  | 1      |
| 10) Methyl Iodide            | 1.99 | 142  | 73       | Below Cal | #     | 20     |
| 11) Tert butyl alcohol       | 2.73 | 59   | 75       | 69.11     | ug/l  | 74     |
| 12) 1,1-Dichloroethene       | 1.90 | 96   | 165      | 14.45     | ug/l  | 1      |
| 13) Acrolein                 | 1.97 | 56   | 63       | 121.36    | ug/l  | 4      |
| 14) Allyl chloride           | 2.09 | 41   | 221      | 12.12     | ug/l  | 1      |
| 15) Acrylonitrile            | 3.05 | 53   | 74       | 43.26     | ug/l  | 28     |
| 16) Acetone                  | 2.37 | 43   | 228      | 47.82     | ug/l  | 68     |
| 17) Carbon Disulfide         | 1.86 | 76   | 68       | Below Cal | #     | 71     |
| 18) Methyl Acetate           | 2.41 | 43   | 77       | 6.04      | ug/l  | 64     |
| 19) Methyl tert-butyl Ether  | 2.56 | 73   | 61       | 1.75      | ug/l  | 1      |
| 21) trans-1,2-Dichloroethene | 2.53 | 96   | 59       | 3.53      | ug/l  | 1      |
| 22) Diisopropyl ether        | 3.00 | 45   | 70       | 1.82      | ug/l  | 33     |
| 23) Vinyl Acetate            | 3.31 | 43   | 229      | 11.55     | ug/l  | 83     |
| 24) 1,1-Dichloroethane       | 2.98 | 63   | 69       | 2.58      | ug/l  | 91     |
| 25) 2-Butanone               | 4.44 | 43   | 135      | 25.37     | ug/l  | 74     |
| 26) 2,2-Dichloropropane      | 3.87 | 77   | 104      | 5.44      | ug/l  | 66     |
| 27) cis-1,2-Dichloroethene   | 3.62 | 96   | 184      | 12.82     | ug/l  | 1      |
| 29) Tetrahydrofuran          | 4.43 | 42   | 64       | 31.29     | ug/l  | 39     |
| 30) Chloroform               | 4.14 | 83   | 83       | 2.19      | ug/l  | 20     |
| 32) 1,1,1-Trichloroethane    | 4.19 | 97   | 71       | 2.42      | ug/l  | 22     |
| 36) 1,1-Dichloropropene      | 4.33 | 75   | 134      | 4.82      | ug/l  | 46     |
| 37) Ethyl Acetate            | 4.23 | 43   | 76       | 5.53      | ug/l  | 19     |
| 39) Methylcyclohexane        | 5.73 | 83   | 67       | 1.27      | ug/l  | 13     |
| 40) Benzene                  | 4.81 | 78   | 65       | 2.04      | ug/l  | 52     |
| 41) Methacrylonitrile        | 4.92 | 41   | 62       | 13.56     | ug/l  | 24     |
| 42) 1,2-Dichloroethane       | 4.94 | 62   | 67       | 3.00      | ug/l  | 85     |
| 43) Isopropyl Acetate        | 7.06 | 43   | 163      | 17.27     | ug/l  | 46     |
| 44) Trichloroethene          | 5.68 | 130  | 66       | 1.02      | ug/l  | 2      |
| 45) 1,2-Dichloropropane      | 6.47 | 63   | 69       | 8.20      | ug/l  | 43     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\  
 Data File : VF059807.D  
 Acq On : 2 Aug 2018 18:17  
 Operator : VA/AP  
 Sample : J4231-09RE  
 Misc : 5.02g/5mL/MSVOA F/SOIL  
 ALS Vial : 90 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 2018-NYSEG-CLARK-AREA-14-5RE

Quant Time: Aug 03 07:05:14 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F073018S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 31 15:23:22 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| -----                          |       |      |          |         |        |          |
| 47) Bromodichloromethane       | 6.64  | 83   | 77       | 3.54    | ug/l # | 25       |
| 48) Methyl methacrylate        | 6.86  | 41   | 80       | 11.27   | ug/l # | 19       |
| 49) 1,4-Dioxane                | 6.74  | 88   | 64       | 1366.25 | ug/l # | 21       |
| 51) 4-Methyl-2-Pentanone       | 8.40  | 43   | 61       | 8.50    | ug/l # | 42       |
| 53) t-1,3-Dichloropropene      | 8.44  | 75   | 101      | 5.35    | ug/l # | 41       |
| 55) 1,1,2-Trichloroethane      | 8.51  | 97   | 63       | 7.30    | ug/l # | 14       |
| 56) Ethyl methacrylate         | 8.81  | 69   | 60       | 6.67    | ug/l # | 33       |
| 57) 1,3-Dichloropropane        | 9.08  | 76   | 155      | 10.47   | ug/l # | 41       |
| 58) 2-Chloroethyl Vinyl ether  | 7.75  | 63   | 63       | 60.62   | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.62  | 43   | 129      | 22.43   | ug/l # | 30       |
| 67) Ethyl Benzene              | 10.03 | 91   | 96       | 3.23    | ug/l # | 46       |
| 69) o-Xylene                   | 10.78 | 106  | 114      | 10.39   | ug/l # | 1        |
| 71) Bromoform                  | 10.77 | 173  | 64       | 12.23   | ug/l # | 30       |
| 74) N-amyl acetate             | 11.46 | 43   | 60       | 14.85   | ug/l # | 48       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.77 | 83   | 65       | 21.57   | ug/l # | 25       |
| 76) 1,2,3-Trichloropropane     | 11.88 | 75   | 95       | 37.07   | ug/l # | 39       |
| 77) Bromobenzene               | 11.57 | 156  | 67       | 16.03   | ug/l # | 1        |
| 78) n-propylbenzene            | 11.65 | 91   | 70       | Below   | Cal #  | 54       |
| 79) 2-Chlorotoluene            | 11.95 | 91   | 65       | 2.09    | ug/l # | 44       |
| 80) 1,3,5-Trimethylbenzene     | 11.88 | 105  | 75       | 1.26    | ug/l # | 31       |
| 81) trans-1,4-Dichloro-2-buten | 11.90 | 75   | 67       | 63.13   | ug/l # | 9        |
| 82) 4-Chlorotoluene            | 11.95 | 91   | 65       | 2.04    | ug/l # | 44       |
| 83) tert-Butylbenzene          | 12.33 | 119  | 67       | 4.66    | ug/l # | 26       |
| 85) sec-Butylbenzene           | 12.41 | 105  | 66       | Below   | Cal #  | 57       |
| 86) p-Isopropyltoluene         | 12.53 | 119  | 316      | 18.66   | ug/l # | 49       |
| 89) n-Butylbenzene             | 12.89 | 91   | 63       | Below   | Cal #  | 29       |
| 90) Hexachloroethane           | 12.87 | 117  | 69       | 17.09   | ug/l # | 18       |
| 91) 1,2-Dichlorobenzene        | 13.09 | 146  | 60       | 5.07    | ug/l # | 24       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.85 | 75   | 161      | 218.53  | ug/l # | 29       |
| 93) 1,2,4-Trichlorobenzene     | 14.22 | 180  | 118      | 19.26   | ug/l # | 12       |
| 94) Hexachlorobutadiene        | 14.28 | 225  | 105      | 26.24   | ug/l # | 19       |
| 95) Naphthalene                | 14.53 | 128  | 67       | 6.37    | ug/l # | 70       |
| 96) 1,2,3-Trichlorobenzene     | 14.79 | 180  | 64       | 11.01   | ug/l # | 13       |
| -----                          |       |      |          |         |        |          |

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

