

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100418\  
 Data File : VF060449.D  
 Acq On : 4 Oct 2018 21:23  
 Operator : VA/AP  
 Sample : J5206-02  
 Misc : 5.00/5mL/MSVOA F/SOIL  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 T-1A

Quant Time: Oct 05 01:13:20 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F100118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 02 11:42:56 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T. | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 0.00 | 168  | 0        | 0.00  | ug/l  | -5.01    |
| 34) 1,4-Difluorobenzene    | 5.76 | 114  | 167      | 50.00 | ug/l  | 0.02     |
| 63) Chlorobenzene-d5       | 9.95 | 117  | 59       | 50.00 | ug/l  | 0.06     |
| 72) 1,4-Dichlorobenzene-d4 | 0.00 | 152  | 0        | 0.00  | ug/l  | -12.62   |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 5.04   | 65  | 248      | 0.00  | ug/l    | 0.05 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 0.00%   |      |
| 35) Dibromofluoromethane  | 4.30   | 113 | 124      | 79.04 | ug/l    | 0.04 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 158.08% |      |
| 50) Toluene-d8            | 7.70   | 98  | 60       | 15.53 | ug/l    | 0.02 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 31.06%  |      |
| 62) 4-Bromofluorobenzene  | 11.49  | 95  | 73       | 41.38 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 82.76%  |      |

## Target Compounds

|                               |       |     |     |           |        | Qvalue |
|-------------------------------|-------|-----|-----|-----------|--------|--------|
| 36) 1,1-Dichloropropene       | 4.39  | 75  | 99  | 48.082    | ug/l # | 45     |
| 37) Ethyl Acetate             | 4.31  | 43  | 590 | 748.289   | ug/l # | 1      |
| 38) Carbon Tetrachloride      | 4.12  | 117 | 114 | 45.486    | ug/l # | 13     |
| 39) Methylcyclohexane         | 5.52  | 83  | 101 | 50.037    | ug/l # | 10     |
| 40) Benzene                   | 4.75  | 78  | 88  | 21.529    | ug/l # | 51     |
| 41) Methacrylonitrile         | 4.91  | 41  | 61  | 145.912   | ug/l # | 20     |
| 42) 1,2-Dichloroethane        | 4.97  | 62  | 61  | 31.282    | ug/l   | 83     |
| 43) Isopropyl Acetate         | 7.12  | 43  | 206 | 216.195   | ug/l # | 44     |
| 44) Trichloroethene           | 5.67  | 130 | 71  | 54.136    | ug/l   | 1      |
| 45) 1,2-Dichloropropane       | 6.37  | 63  | 64  | 58.795    | ug/l # | 46     |
| 46) Dibromomethane            | 6.32  | 93  | 93  | 106.263   | ug/l # | 9      |
| 47) Bromodichloromethane      | 6.52  | 83  | 59  | 27.220    | ug/l # | 23     |
| 48) Methyl methacrylate       | 6.69  | 41  | 184 | 269.013   | ug/l   | 91     |
| 49) 1,4-Dioxane               | 6.84  | 88  | 127 | 21534.793 | ug/l # | 2      |
| 51) 4-Methyl-2-Pentanone      | 8.42  | 43  | 597 | 880.174   | ug/l # | 39     |
| 52) Toluene                   | 7.64  | 92  | 95  | 34.218    | ug/l # | 1      |
| 53) t-1,3-Dichloropropene     | 8.43  | 75  | 132 | 77.707    | ug/l # | 1      |
| 54) cis-1,3-Dichloropropene   | 7.42  | 75  | 94  | 47.348    | ug/l # | 57     |
| 55) 1,1,2-Trichloroethane     | 8.68  | 97  | 70  | 79.545    | ug/l # | 18     |
| 56) Ethyl methacrylate        | 8.72  | 69  | 191 | 191.005   | ug/l # | 53     |
| 57) 1,3-Dichloropropane       | 8.96  | 76  | 176 | 118.221   | ug/l # | 43     |
| 58) 2-Chloroethyl Vinyl ether | 7.73  | 63  | 63  | 616.785   | ug/l   | 100    |
| 59) 2-Hexanone                | 9.50  | 43  | 442 | 888.433   | ug/l   | 75     |
| 60) Dibromochloromethane      | 8.97  | 129 | 61  | 46.038    | ug/l # | 11     |
| 61) 1,2-Dibromoethane         | 9.12  | 107 | 78  | 81.004    | ug/l # | 4      |
| 64) Tetrachloroethene         | 8.22  | 164 | 130 | 277.177   | ug/l # | 1      |
| 65) Chlorobenzene             | 9.83  | 112 | 62  | 51.156    | ug/l # | 40     |
| 66) 1,1,1,2-Tetrachloroethane | 10.19 | 131 | 72  | 136.057   | ug/l # | 9      |
| 67) Ethyl Benzene             | 10.08 | 91  | 62  | 26.905    | ug/l # | 47     |
| 68) m/p-Xylenes               | 10.37 | 106 | 70  | 88.363    | ug/l # | 1      |
| 69) o-Xylene                  | 10.79 | 106 | 189 | 218.879   | ug/l # | 1      |
| 70) Styrene                   | 10.88 | 104 | 72  | 58.621    | ug/l # | 29     |

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

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