

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN031219\  
 Data File : VN054165.D  
 Acq On : 12 Mar 2019 15:34  
 Operator : JC/SP  
 Sample : K1825-01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PT-VOA-WP

Quant Time: Mar 13 11:29:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031219W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 13 03:33:31 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 1563031  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 2298929  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 2015188  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 989496   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 805059   | 48.50 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.00% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 718964   | 48.49 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.98% |      |
| 50) Toluene-d8              | 10.09  | 98  | 2716051  | 49.60 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.20% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 951650   | 49.67 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.34% |      |

| Target Compounds              |       |     |         |         |        | Qvalue |
|-------------------------------|-------|-----|---------|---------|--------|--------|
| 3) Chloromethane              | 2.06  | 50  | 802345  | 55.759  | ug/l   | 100    |
| 6) Chloroethane               | 2.71  | 64  | 486638  | 48.903  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 3.02  | 101 | 1999468 | 91.440  | ug/l   | 98     |
| 16) Acetone                   | 3.82  | 43  | 590364  | 124.214 | ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 5.05  | 73  | 3267978 | 81.193  | ug/l   | 99     |
| 20) Methylene Chloride        | 4.55  | 84  | 1602229 | 102.667 | ug/l   | 99     |
| 25) 2-Butanone                | 6.85  | 43  | 595088  | 106.679 | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene    | 6.83  | 96  | 1969630 | 113.477 | ug/l   | 90     |
| 30) Chloroform                | 7.37  | 83  | 361123  | 12.962  | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 7.77  | 117 | 1043887 | 47.018  | ug/l   | 99     |
| 40) Benzene                   | 8.04  | 78  | 1099542 | 18.149  | ug/l   | 99     |
| 42) 1,2-Dichloroethane        | 8.12  | 62  | 2412037 | 117.925 | ug/l   | 100    |
| 44) Trichloroethene           | 8.83  | 130 | 533629  | 28.354  | ug/l   | 97     |
| 46) Dibromomethane            | 9.21  | 93  | 252687  | 24.860  | ug/l   | 99     |
| 47) Bromodichloromethane      | 9.40  | 83  | 423352  | 20.776  | ug/l   | 98     |
| 51) 4-Methyl-2-Pentanone      | 9.99  | 43  | 1926573 | 170.496 | ug/l   | 99     |
| 52) Toluene                   | 10.16 | 92  | 1250145 | 32.544  | ug/l   | 99     |
| 53) t-1,3-Dichloropropene     | 10.38 | 75  | 327147  | 15.465  | ug/l   | 99     |
| 54) cis-1,3-Dichloropropene   | 9.84  | 75  | 1473864 | 62.070  | ug/l   | 100    |
| 55) 1,1,2-Trichloroethane     | 10.56 | 97  | 1351342 | 96.343  | ug/l   | 99     |
| 59) 2-Hexanone                | 10.75 | 43  | 692499  | 92.101  | ug/l   | 99     |
| 60) Dibromochloromethane      | 10.90 | 129 | 298749  | 18.923  | ug/l   | 100    |
| 61) 1,2-Dibromoethane         | 11.00 | 107 | 1206145 | 84.619  | ug/l   | 99     |
| 64) Tetrachloroethene         | 10.63 | 164 | 352577  | 18.096  | ug/l   | 99     |
| 65) Chlorobenzene             | 11.43 | 112 | 3275548 | 74.027  | ug/l   | 99     |
| 66) 1,1,1,2-Tetrachloroethane | 11.51 | 131 | 1340977 | 83.424  | ug/l   | 99     |
| 67) Ethyl Benzene             | 11.51 | 91  | 3408328 | 46.467  | ug/l   | 100    |
| 68) m/p-Xylenes               | 11.62 | 106 | 2086156 | 72.769  | ug/l   | 100    |
| 69) o-Xylene                  | 11.95 | 106 | 3218724 | 115.174 | ug/l   | 100    |
| 70) Styrene                   | 11.96 | 104 | 3559905 | 81.221  | ug/l   | 95     |
| 71) Bromoform                 | 12.13 | 173 | 327752  | 27.841  | ug/l # | 100    |
| 75) 1,1,2,2-Tetrachloroethane | 12.50 | 83  | 1433653 | 84.999  | ug/l   | 99     |
| 76) 1,2,3-Trichloropropane    | 12.55 | 75  | 271847  | 18.682  | ug/l # | 100    |
| 87) 1,3-Dichlorobenzene       | 13.28 | 146 | 2895259 | 82.021  | ug/l   | 100    |

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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
PT-VOA-WP

Quant Time: Mar 13 11:29:03 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031219W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 13 03:33:31 2019  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 1730016  | 50.134 | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 105293   | 40.342 | ug/l  | 100      |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 1894613  | 88.881 | ug/l  | 99       |
| 94) Hexachlorobutadiene        | 15.01 | 225  | 1142278  | 86.905 | ug/l  | 100      |
| 95) Naphthalene                | 15.13 | 128  | 1307202  | 31.500 | ug/l  | 99       |

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

