

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121719\  
 Data File : VY000980.D  
 Acq On : 17 Dec 2019 15:50  
 Operator : SY/MD  
 Sample : K6324-01  
 Misc : 7.34G/5ML/MSVOA Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EP-9

Quant Time: Dec 18 05:51:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y112719S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 27 12:40:47 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 8222     | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.70  | 114  | 17578    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 17771    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 9125     | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.14  | 65   | 6988     | 79.99 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 159.98% |          |
| 35) Dibromofluoromethane    | 7.72  | 113  | 3304     | 32.25 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 64.50%  |          |
| 50) Toluene-d8              | 10.18 | 98   | 21316    | 52.05 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.10% |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 8190     | 53.25 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.50% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 3) Chloromethane               | 2.11  | 50   | 493      | 4.519  | ug/l # | 83     |
| 5) Bromomethane                | 2.68  | 94   | 337      | 4.406  | ug/l   | 85     |
| 11) Tert butyl alcohol         | 4.69  | 59   | 43       | 4.892  | ug/l # | 74     |
| 13) Acrolein                   | 3.90  | 56   | 45       | 5.197  | ug/l # | 15     |
| 16) Acetone                    | 3.97  | 43   | 1050     | 52.391 | ug/l # | 61     |
| 20) Methylene Chloride         | 4.72  | 84   | 687      | 6.503  | ug/l # | 83     |
| 30) Chloroform                 | 7.52  | 83   | 708      | 4.031  | ug/l # | 83     |
| 36) 1,1-Dichloropropene        | 7.79  | 75   | 759      | 4.343  | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 7.80  | 117  | 1084     | 6.964  | ug/l # | 11     |
| 76) 1,2,3-Trichloropropane     | 12.47 | 75   | 4113     | 39.783 | ug/l # | 100    |
| 77) Bromobenzene               | 12.63 | 156  | 218      | 1.384  | ug/l # | 1      |
| 81) trans-1,4-Dichloro-2-buten | 12.47 | 75   | 4113     | 78.146 | ug/l # | 17     |
| 83) tert-Butylbenzene          | 13.06 | 119  | 740      | 1.463  | ug/l   | 76     |
| 86) p-Isopropyltoluene         | 13.36 | 119  | 1517     | 2.371  | ug/l # | 55     |
| 89) n-Butylbenzene             | 13.65 | 91   | 26905    | 41.594 | ug/l # | 57     |
| 90) Hexachloroethane           | 14.03 | 117  | 3341     | 28.348 | ug/l # | 16     |
| 92) 1,2-Dibromo-3-Chloropropan | 14.53 | 75   | 283      | 11.808 | ug/l # | 1      |
| 95) Naphthalene                | 15.22 | 128  | 509      | 1.166  | ug/l # | 79     |

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

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