

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082423\  
 Data File : VY015329.D  
 Acq On : 24 Aug 2023 21:58  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: Aug 25 03:28:15 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 14 12:43:26 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 192499   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 316081   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 286638   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 142855   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.142  | 65    | 122418   | 52.977   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 105.960% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 99401    | 48.883   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 97.760%  |          |
| 50) Toluene-d8                | 10.179 | 98    | 370679   | 48.969   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | = 97.940%  |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 131638   | 47.612   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | = 95.220%  |          |
| Target Compounds              |        |       |          |          |            | Qvalue   |
| 8) Diethyl Ether              | 3.527  | 74    | 1602     | 1.583    | ug/l       | 90       |
| 11) Tert butyl alcohol        | 4.972  | 59    | 20722    | 40.919   | ug/l #     | 82       |
| 15) Acrylonitrile             | 5.161  | 53    | 34671    | 50.542   | ug/l       | 99       |
| 16) Acetone                   | 3.948  | 43    | 35781    | 47.399   | ug/l       | 92       |
| 18) Methyl Acetate            | 4.478  | 43    | 39961    | 14.445   | ug/l #     | 90       |
| 19) Methyl tert-butyl Ether   | 5.228  | 73    | 12097    | 2.124    | ug/l       | 99       |
| 20) Methylene Chloride        | 4.710  | 84    | 16383    | 5.179    | ug/l #     | 84       |
| 29) Tetrahydrofuran           | 7.350  | 42    | 32468    | 50.802   | ug/l       | 88       |
| 37) Ethyl Acetate             | 7.069  | 43    | 8222     | 3.921    | ug/l       | 97       |
| 41) Methacrylonitrile         | 7.319  | 41    | 8909m    | 8.239    | ug/l       |          |
| 42) 1,2-Dichloroethane        | 8.234  | 62    | 3302     | 1.337    | ug/l       | 99       |
| 43) Isopropyl Acetate         | 8.276  | 43    | 10706    | 2.804    | ug/l #     | 93       |
| 46) Dibromomethane            | 9.301  | 93    | 1690     | 1.397    | ug/l       | 91       |
| 48) Methyl methacrylate       | 9.295  | 41    | 7185     | 4.398    | ug/l       | 93       |
| 49) 1,4-Dioxane               | 9.307  | 88    | 6326     | 261.527  | ug/l #     | 69       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43    | 80489    | 36.369   | ug/l       | 93       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97    | 2621     | 1.425    | ug/l       | 98       |
| 56) Ethyl methacrylate        | 10.514 | 69    | 4726     | 1.756    | ug/l       | 96       |
| 57) 1,3-Dichloropropane       | 10.788 | 76    | 3322     | 1.106    | ug/l       | 95       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63    | 17830    | 14.233   | ug/l       | 93       |
| 59) 2-Hexanone                | 10.831 | 43    | 60203    | 36.755   | ug/l       | 93       |
| 61) 1,2-Dibromoethane         | 11.087 | 107   | 2678     | 1.533    | ug/l       | 99       |
| 71) Bromoform                 | 12.209 | 173   | 2317     | 1.508    | ug/l #     | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 12.587 | 83    | 2636     | 1.102    | ug/l       | 100      |
| 76) 1,2,3-Trichloropropane    | 12.629 | 75    | 8080     | 4.656    | ug/l #     | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75    | 2388     | 5.153    | ug/l       | 97       |
| 95) Naphthalene               | 15.233 | 128   | 405865   | 61.169   | ug/l       | 99       |

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

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