

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050223\  
 Data File : VY013549.D  
 Acq On : 02 May 2023 12:16  
 Operator : KP/MD  
 Sample : 02557-03  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 JC-03-042823-B

Quant Time: May 03 01:32:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response             | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|----------------------|-----------|--------|----------|
| -----                         |                |      |                      |           |        |          |
| Internal Standards            |                |      |                      |           |        |          |
| 1) Pentafluorobenzene         | 7.801          | 168  | 1321                 | 50.000    | ug/l   | # 0.01   |
| 34) 1,4-Difluorobenzene       | 8.691          | 114  | 2695                 | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496         | 117  | 2752                 | 50.000    | ug/l   | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 502                  | 50.000    | ug/l   | 0.00     |
|                               |                |      |                      |           |        |          |
| System Monitoring Compounds   |                |      |                      |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 1845                 | 127.408   | ug/l   | 0.01     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 254.820%# |           |        |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 1164                 | 68.671    | ug/l   | 0.01     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 137.340%  |           |        |          |
| 50) Toluene-d8                | 10.179         | 98   | 3281                 | 54.412    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 108.820%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.489         | 95   | 616                  | 30.302    | ug/l   | 0.01     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = 60.600%   |           |        |          |
|                               |                |      |                      |           |        |          |
| Target Compounds              |                |      |                      |           |        | Qvalue   |
| 3) Chloromethane              | 2.119          | 50   | 410                  | 24.356    | ug/l   | 98       |
| 4) Vinyl Chloride             | 2.241          | 62   | 48                   | 2.864     | ug/l # | 43       |
| 5) Bromomethane               | 2.680          | 94   | 300                  | 22.460    | ug/l # | 74       |
| 6) Chloroethane               | 2.790          | 64   | 82                   | 7.082     | ug/l # | 44       |
| 10) Methyl Iodide             | 4.101          | 142  | 347                  | 19.398    | ug/l # | 70       |
| 11) Tert butyl alcohol        | 4.924          | 59   | 40                   | 25.110    | ug/l # | 89       |
| 13) Acrolein                  | 3.631          | 56   | 19                   | 6.389     | ug/l # | 16       |
| 15) Acrylonitrile             | 5.295          | 53   | 26                   | 5.369     | ug/l # | 18       |
| 16) Acetone                   | 3.960          | 43   | 58                   | 10.170    | ug/l # | 43       |
| 18) Methyl Acetate            | 4.472          | 43   | 41                   | 2.177     | ug/l # | 51       |
| 20) Methylene Chloride        | 4.716          | 84   | 44                   | Below Cal | #      | 27       |
| 23) Vinyl Acetate             | 6.076          | 43   | 37                   | 1.312     | ug/l # | 72       |
| 25) 2-Butanone                | 6.881          | 43   | 48                   | 6.637     | ug/l # | 47       |
| 27) cis-1,2-Dichloroethene    | 7.137          | 96   | 24                   | 1.447     | ug/l # | 1        |
| 29) Tetrahydrofuran           | 7.539          | 42   | 28                   | 6.219     | ug/l # | 32       |
| 37) Ethyl Acetate             | 7.155          | 43   | 25                   | 1.181     | ug/l # | 69       |
| 41) Methacrylonitrile         | 7.307          | 41   | 22                   | 2.230     | ug/l # | 1        |
| 48) Methyl methacrylate       | 9.258          | 41   | 19                   | 1.158     | ug/l # | 14       |
| 51) 4-Methyl-2-Pentanone      | 10.069         | 43   | 45                   | 2.260     | ug/l # | 37       |
| 56) Ethyl methacrylate        | 10.666         | 69   | 29                   | 1.273     | ug/l # | 57       |
| 60) Dibromochloromethane      | 10.715         | 129  | 23                   | 1.154     | ug/l # | 11       |
| 76) 1,2,3-Trichloropropane    | 12.489         | 75   | 382                  | 56.425    | ug/l # | 100      |
| 78) n-propylbenzene           | 12.678         | 91   | 53                   | 1.133     | ug/l # | 51       |
| 79) 2-Chlorotoluene           | 12.776         | 91   | 47                   | 1.800     | ug/l   | 84       |
| 80) 1,3,5-Trimethylbenzene    | 12.825         | 105  | 87                   | 2.807     | ug/l # | 28       |
| 81) trans-1,4-Dichloro-2-b... | 12.489         | 75   | 382                  | 115.420   | ug/l # | 12       |
| 82) 4-Chlorotoluene           | 12.776         | 91   | 47                   | 1.727     | ug/l   | 85       |
| 83) tert-Butylbenzene         | 13.081         | 119  | 61                   | 2.272     | ug/l # | 27       |
| 84) 1,2,4-Trimethylbenzene    | 13.111         | 105  | 41                   | 1.361     | ug/l # | 31       |
| 85) sec-Butylbenzene          | 13.264         | 105  | 48                   | 1.191     | ug/l # | 56       |
| 86) p-Isopropyltoluene        | 13.373         | 119  | 53                   | 1.636     | ug/l # | 50       |
| 87) 1,3-Dichlorobenzene       | 13.373         | 146  | 23                   | 1.312     | ug/l # | 1        |
| 88) 1,4-Dichlorobenzene       | 13.459         | 146  | 55                   | 3.106     | ug/l # | 25       |
| 90) Hexachloroethane          | 13.959         | 117  | 21                   | 3.079     | ug/l # | 8        |
| 91) 1,2-Dichlorobenzene       | 13.745         | 146  | 32                   | 2.022     | ug/l # | 64       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.239         | 75   | 60                   | 36.606    | ug/l # | 1        |

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Quant Title : SW846 8260  
QLast Update : Tue Apr 25 02:39:58 2023  
Response via : Initial Calibration

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|----------------------------|--------|------|----------|--------|--------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.013 | 180  | 92       | 9.749  | ug/l # | 28       |
| 95) Naphthalene            | 15.239 | 128  | 436      | 21.294 | ug/l # | 78       |
| 96) 1,2,3-Trichlorobenzene | 15.422 | 180  | 69       | 8.204  | ug/l # | 63       |

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

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