

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053122\  
 Data File : VD073429.D  
 Acq On : 31 May 2022 17:11  
 Operator : VA/SY  
 Sample : N3107-01  
 Misc : 4.39G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MS-5

Quant Time: Jun 01 01:37:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 19 15:13:42 2022  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|-------------|----------|
| -----                         |           |       |          |          |             |          |
| Internal Standards            |           |       |          |          |             |          |
| 1) Pentafluorobenzene         | 7.973     | 168   | 1152     | 50.000   | ug/l        | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.861     | 114   | 2117     | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5          | 11.632    | 117   | 2956     | 50.000   | ug/l        | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4    | 13.561    | 152   | 2484     | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds   |           |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4     | 8.314     | 65    | 845      | 66.372   | ug/l        | -0.01    |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 132.740%  |          |
| 35) Dibromofluoromethane      | 7.903     | 113   | 555      | 39.730   | ug/l        | -0.01    |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 79.460%   |          |
| 50) Toluene-d8                | 10.332    | 98    | 1964     | 38.140   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery | = 76.280%   |          |
| 62) 4-Bromofluorobenzene      | 12.620    | 95    | 2272     | 125.722  | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery | = 251.440%# |          |
| Target Compounds              |           |       |          |          |             | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.985     | 85    | 954      | 82.876   | ug/l        | 93       |
| 3) Chloromethane              | 2.209     | 50    | 686      | 52.703   | ug/l #      | 80       |
| 4) Vinyl Chloride             | 2.338     | 62    | 317      | 26.633   | ug/l #      | 43       |
| 5) Bromomethane               | 2.779     | 94    | 472      | 62.899   | ug/l        | 85       |
| 7) Trichlorofluoromethane     | 3.273     | 101   | 1200     | 57.018   | ug/l #      | 70       |
| 16) Acetone                   | 4.162     | 43    | 3074     | 1393.991 | ug/l        | 95       |
| 20) Methylene Chloride        | 4.962     | 84    | 8702     | 671.795  | ug/l #      | 84       |
| 36) 1,1-Dichloropropene       | 8.297     | 75    | 5569     | 265.068  | ug/l #      | 45       |
| 37) Ethyl Acetate             | 7.285     | 43    | 179      | 21.570   | ug/l #      | 72       |
| 38) Carbon Tetrachloride      | 8.285     | 117   | 4517     | 212.096  | ug/l #      | 37       |
| 39) Methylcyclohexane         | 9.350     | 83    | 2235     | 95.454   | ug/l #      | 68       |
| 40) Benzene                   | 8.350     | 78    | 1462     | 24.145   | ug/l #      | 66       |
| 41) Methacrylonitrile         | 7.573     | 41    | 70       | 14.478   | ug/l #      | 39       |
| 42) 1,2-Dichloroethane        | 8.414     | 62    | 55       | 3.264    | ug/l #      | 76       |
| 43) Isopropyl Acetate         | 8.285     | 43    | 6066     | 395.461  | ug/l #      | 31       |
| 44) Trichloroethene           | 9.114     | 130   | 67       | 4.149    | ug/l        | 1        |
| 47) Bromodichloromethane      | 9.650     | 83    | 206      | 9.613    | ug/l #      | 24       |
| 48) Methyl methacrylate       | 9.420     | 41    | 88       | 11.403   | ug/l #      | 19       |
| 51) 4-Methyl-2-Pentanone      | 10.220    | 43    | 1380     | 173.219  | ug/l        | 93       |
| 52) Toluene                   | 10.385    | 92    | 710      | 18.556   | ug/l        | 85       |
| 53) t-1,3-Dichloropropene     | 10.608    | 75    | 82       | 4.236    | ug/l #      | 44       |
| 54) cis-1,3-Dichloropropene   | 10.085    | 75    | 67       | 2.892    | ug/l #      | 29       |
| 55) 1,1,2-Trichloroethane     | 10.791    | 97    | 127      | 11.214   | ug/l #      | 1        |
| 56) Ethyl methacrylate        | 10.661    | 69    | 53       | 4.209    | ug/l #      | 33       |
| 57) 1,3-Dichloropropane       | 10.944    | 76    | 55       | 2.894    | ug/l #      | 42       |
| 59) 2-Hexanone                | 10.955    | 43    | 381      | 72.538   | ug/l #      | 27       |
| 60) Dibromochloromethane      | 10.867    | 129   | 207      | 14.658   | ug/l #      | 10       |
| 65) Chlorobenzene             | 11.649    | 112   | 279      | 4.601    | ug/l #      | 42       |
| 66) 1,1,1,2-Tetrachloroethane | 11.450    | 131   | 216      | 9.604    | ug/l #      | 8        |
| 67) Ethyl Benzene             | 11.738    | 91    | 2328     | 21.869   | ug/l #      | 87       |
| 68) m/p-Xylenes               | 11.838    | 106   | 1851     | 44.755   | ug/l #      | 64       |
| 69) o-Xylene                  | 12.167    | 106   | 540      | 14.213   | ug/l        | 62       |
| 70) Styrene                   | 12.185    | 104   | 746      | 11.412   | ug/l #      | 47       |
| 73) Isopropylbenzene          | 12.467    | 105   | 836      | 4.721    | ug/l        | 75       |
| 74) N-amyl acetate            | 12.273    | 43    | 119      | 3.080    | ug/l #      | 32       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714    | 83    | 143      | 4.379    | ug/l #      | 25       |

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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |  |
|-------------------------------|--------|------|----------|--------|--------|----------|--|
| -----                         |        |      |          |        |        |          |  |
| 76) 1,2,3-Trichloropropane    | 12.761 | 75   | 68       | 2.790  | ug/l # | 100      |  |
| 78) n-propylbenzene           | 12.808 | 91   | 1603     | 7.211  | ug/l # | 64       |  |
| 79) 2-Chlorotoluene           | 12.896 | 91   | 526      | 4.098  | ug/l   | 93       |  |
| 80) 1,3,5-Trimethylbenzene    | 12.944 | 105  | 832      | 5.546  | ug/l   | 82       |  |
| 81) trans-1,4-Dichloro-2-b... | 12.455 | 75   | 116      | 11.426 | ug/l # | 7        |  |
| 82) 4-Chlorotoluene           | 12.985 | 91   | 820      | 6.095  | ug/l   | 74       |  |
| 83) tert-Butylbenzene         | 13.208 | 119  | 466      | 3.686  | ug/l # | 58       |  |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 1902     | 12.835 | ug/l   | 84       |  |
| 85) sec-Butylbenzene          | 13.379 | 105  | 915      | 4.740  | ug/l # | 71       |  |
| 86) p-Isopropyltoluene        | 13.508 | 119  | 771      | 4.900  | ug/l # | 75       |  |
| 87) 1,3-Dichlorobenzene       | 13.585 | 146  | 733      | 8.724  | ug/l   | 81       |  |
| 88) 1,4-Dichlorobenzene       | 13.585 | 146  | 733      | 8.642  | ug/l   | 81       |  |
| 89) n-Butylbenzene            | 13.820 | 91   | 1079     | 7.196  | ug/l # | 83       |  |
| 90) Hexachloroethane          | 14.161 | 117  | 61       | 1.873  | ug/l # | 17       |  |
| 91) 1,2-Dichlorobenzene       | 13.873 | 146  | 366      | 5.034  | ug/l # | 29       |  |
| 93) 1,2,4-Trichlorobenzene    | 15.149 | 180  | 523      | 12.672 | ug/l # | 59       |  |
| 95) Naphthalene               | 15.373 | 128  | 2081     | 27.329 | ug/l # | 90       |  |
| 96) 1,2,3-Trichlorobenzene    | 15.555 | 180  | 190      | 5.193  | ug/l # | 12       |  |
| -----                         |        |      |          |        |        |          |  |

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

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