

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081023\  
 Data File : VD076958.D  
 Acq On : 10 Aug 2023 11:51  
 Operator : JC/SY  
 Sample : VSTDCCC025  
 Misc : 5.00G/10.0ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025177

Quant Time: Aug 11 02:48:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM080323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 04 02:21:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 281127   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 285341   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 154078   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.270  | 65    | 153681   | 19.878   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 79.520%  |
| 7) Chloroethane-d5            | 2.793  | 69    | 150721   | 21.088   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 84.360%  |
| 11) 1,1-Dichloroethene-d2     | 3.911  | 65    | 36990    | 20.192   | ug/L   | -0.01    |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 80.760%  |
| 21) 2-Butanone-d5             | 6.981  | 46    | 66327    | 53.436   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 106.880% |
| 24) Chloroform-d              | 7.563  | 84    | 209432   | 22.878   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 91.520%  |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 106783   | 23.400   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 93.600%  |
| 32) Benzene-d6                | 8.199  | 84    | 417352   | 23.264   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 93.040%  |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 124497   | 22.571   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 90.280%  |
| 41) Toluene-d8                | 10.269 | 98    | 390343   | 23.732   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 94.920%  |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79    | 56598    | 22.696   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 90.800%  |
| 47) 2-Hexanone-d5             | 10.881 | 63    | 59156    | 56.145   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 112.280% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 134976   | 25.324   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 101.280% |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 138004   | 24.499   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 98.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.934  | 85    | 104318   | 22.387   | ug/L   | 98       |
| 3) Chloromethane              | 2.146  | 50    | 156284   | 25.852   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.276  | 62    | 211543   | 24.470   | ug/L   | 95       |
| 6) Bromomethane               | 2.687  | 94    | 143878   | 22.296   | ug/L   | 98       |
| 8) Chloroethane               | 2.828  | 64    | 143062   | 24.582   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.164  | 101   | 175338   | 24.497   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.958  | 101   | 114279   | 24.502   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 3.934  | 96    | 102884   | 24.877   | ug/L   | 84       |
| 13) Acetone                   | 4.017  | 43    | 87774    | 69.153   | ug/L   | 95       |
| 14) Carbon disulfide          | 4.264  | 76    | 357230   | 24.887   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.564  | 43    | 57094    | 26.613   | ug/L # | 89       |
| 16) Methylene chloride        | 4.793  | 84    | 133325   | 22.609   | ug/L   | 77       |
| 17) trans-1,2-Dichloroethene  | 5.305  | 96    | 116135   | 24.801   | ug/L   | 88       |
| 18) Methyl tert-butyl Ether   | 5.311  | 73    | 274551   | 26.539   | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 6.111  | 63    | 189907   | 24.289   | ug/L   | 95       |
| 20) cis-1,2-Dichloroethene    | 7.075  | 96    | 134982   | 25.822   | ug/L   | 87       |
| 22) 2-Butanone                | 7.075  | 43    | 100911   | 56.824   | ug/L   | 86       |
| 23) Bromochloromethane        | 7.422  | 128   | 64917    | 25.604   | ug/L # | 75       |
| 25) Chloroform                | 7.593  | 83    | 216330   | 25.263   | ug/L   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081023\  
 Data File : VD076958.D  
 Acq On : 10 Aug 2023 11:51  
 Operator : JC/SY  
 Sample : VSTDCCC025  
 Misc : 5.00G/10.0ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025177

Quant Time: Aug 11 02:48:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM080323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 04 02:21:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.322  | 62   | 139383   | 25.971 | ug/L   | 97       |
| 29) Cyclohexane               | 7.875  | 56   | 149371   | 23.780 | ug/L # | 81       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 179834   | 25.435 | ug/L   | 95       |
| 31) Carbon tetrachloride      | 7.987  | 117  | 152500   | 26.355 | ug/L   | 97       |
| 33) Benzene                   | 8.252  | 78   | 485323   | 25.948 | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 123529   | 25.361 | ug/L   | 98       |
| 35) Methylcyclohexane         | 9.275  | 83   | 194879   | 24.534 | ug/L   | 90       |
| 37) 1,2-Dichloropropane       | 9.305  | 63   | 120459   | 25.353 | ug/L # | 97       |
| 38) Bromodichloromethane      | 9.581  | 83   | 167347   | 25.577 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 202958   | 26.468 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 166557   | 55.638 | ug/L # | 89       |
| 42) Toluene                   | 10.334 | 91   | 527991   | 25.961 | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 10.552 | 75   | 178204   | 26.591 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 111327   | 26.364 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.810 | 164  | 98071    | 26.715 | ug/L   | 94       |
| 48) 2-Hexanone                | 10.922 | 43   | 145588   | 63.240 | ug/L # | 89       |
| 49) Dibromochloromethane      | 11.075 | 129  | 124487   | 26.500 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 113614   | 27.588 | ug/L   | 92       |
| 51) Chlorobenzene             | 11.604 | 112  | 342923   | 25.879 | ug/L   | 96       |
| 52) Ethylbenzene              | 11.687 | 91   | 570836   | 26.340 | ug/L   | 97       |
| 53) m,p-Xylene                | 11.793 | 106  | 222177   | 26.569 | ug/L   | 96       |
| 54) o-Xylene                  | 12.122 | 106  | 215160   | 26.752 | ug/L   | 99       |
| 55) Styrene                   | 12.134 | 104  | 397141   | 27.311 | ug/L   | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 138857   | 26.588 | ug/L   | 99       |
| 59) Bromoform                 | 12.299 | 173  | 80785    | 26.438 | ug/L # | 99       |
| 60) Isopropylbenzene          | 12.422 | 105  | 563362   | 25.424 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.728 | 75   | 94301    | 26.224 | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 437290   | 25.905 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 443872   | 26.421 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 263618   | 26.067 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 13.540 | 146  | 271785   | 25.999 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 13.834 | 146  | 247724   | 26.130 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.445 | 75   | 20768    | 25.205 | ug/L   | 99       |
| 69) 1,3,5-Trichlorobenzene    | 14.593 | 180  | 167260   | 26.429 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 150220   | 26.984 | ug/L   | 96       |
| 71) Naphthalene               | 15.334 | 128  | 360731   | 27.558 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 140236   | 27.777 | ug/L   | 100      |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081023\  
 Data File : VD076958.D  
 Acq On : 10 Aug 2023 11:51  
 Operator : JC/SY  
 Sample : VSTDCCC025  
 Misc : 5.00G/10.0ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025177

Quant Time: Aug 11 02:48:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM080323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 04 02:21:25 2023  
 Response via : Initial Calibration

