

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD040623\  
 Data File : VD075594.D  
 Acq On : 06 Apr 2023 15:44  
 Operator : KP/SY  
 Sample : VSTDCCC025EC  
 Misc : 5.00G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025127

Quant Time: Apr 07 01:25:41 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM033123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Apr 01 00:08:20 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon     | Response | Conc        | Units  | Dev(Min) |
|-------------------------------|--------|----------|----------|-------------|--------|----------|
| -----                         |        |          |          |             |        |          |
| Internal Standards            |        |          |          |             |        |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114      | 329240   | 25.000      | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117      | 390982   | 25.000      | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.522 | 152      | 195200   | 25.000      | ug/L   | 0.00     |
| System Monitoring Compounds   |        |          |          |             |        |          |
| 4) Vinyl Chloride-d3          | 2.275  | 65       | 203560   | 26.554      | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range  | 30 - 150 | Recovery | = 106.200%  |        |          |
| 7) Chloroethane-d5            | 2.805  | 69       | 189661   | 27.804      | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range  | 30 - 150 | Recovery | = 111.200%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 3.916  | 63       | 158771   | 25.678      | ug/L   | -0.01    |
| Spiked Amount 25.000          | Range  | 45 - 110 | Recovery | = 102.720%  |        |          |
| 21) 2-Butanone-d5             | 6.981  | 46       | 34610    | 69.330      | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range  | 20 - 135 | Recovery | = 138.660%# |        |          |
| 24) Chloroform-d              | 7.563  | 84       | 212776   | 27.411      | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range  | 40 - 150 | Recovery | = 109.640%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65       | 96668    | 28.102      | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range  | 70 - 130 | Recovery | = 112.400%  |        |          |
| 32) Benzene-d6                | 8.204  | 84       | 469371   | 20.534      | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range  | 20 - 135 | Recovery | = 82.120%   |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67       | 142137   | 23.333      | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range  | 70 - 120 | Recovery | = 93.320%   |        |          |
| 41) Toluene-d8                | 10.269 | 98       | 534439   | 24.935      | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range  | 30 - 130 | Recovery | = 99.720%   |        |          |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79       | 64942    | 25.574      | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range  | 30 - 135 | Recovery | = 102.280%  |        |          |
| 47) 2-Hexanone-d5             | 10.881 | 63       | 41235    | 57.203      | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range  | 20 - 135 | Recovery | = 114.400%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84       | 130193   | 28.529      | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range  | 45 - 120 | Recovery | = 114.120%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152      | 171496   | 25.612      | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range  | 75 - 120 | Recovery | = 102.440%  |        |          |
| Target Compounds              |        |          |          |             |        |          |
|                               |        |          |          |             | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.934  | 85       | 66280    | 21.481      | ug/L   | 99       |
| 3) Chloromethane              | 2.146  | 50       | 101969   | 25.254      | ug/L   | 97       |
| 5) Vinyl chloride             | 2.287  | 62       | 153474   | 24.388      | ug/L   | 97       |
| 6) Bromomethane               | 2.699  | 94       | 99320    | 23.132      | ug/L   | 100      |
| 8) Chloroethane               | 2.840  | 64       | 113263   | 25.835      | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.175  | 101      | 132193   | 24.159      | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.969  | 101      | 94980    | 24.987      | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 3.940  | 96       | 77431    | 24.659      | ug/L   | 95       |
| 13) Acetone                   | 4.022  | 43       | 31756    | 60.655      | ug/L   | 98       |
| 14) Carbon disulfide          | 4.275  | 76       | 165358   | 22.011      | ug/L   | 100      |
| 15) Methyl Acetate            | 4.558  | 43       | 27077    | 30.861      | ug/L   | 98       |
| 16) Methylene chloride        | 4.793  | 84       | 109977   | 24.301      | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 5.305  | 96       | 83783    | 25.133      | ug/L   | 94       |
| 18) Methyl tert-butyl Ether   | 5.316  | 73       | 190574   | 30.066      | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.110  | 63       | 154535   | 27.043      | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.075  | 96       | 107585   | 27.484      | ug/L   | 100      |
| 22) 2-Butanone                | 7.081  | 43       | 40836    | 65.480      | ug/L   | 98       |
| 23) Bromochloromethane        | 7.422  | 128      | 50179    | 27.187      | ug/L   | 97       |
| 25) Chloroform                | 7.593  | 83       | 185600   | 27.116      | ug/L   | 96       |

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 Quant Title : SFAM01.0  
 QLast Update : Sat Apr 01 00:08:20 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.328  | 62   | 98010    | 27.703 | ug/L   | 99       |
| 29) Cyclohexane               | 7.869  | 56   | 88559    | 18.561 | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 146605   | 19.034 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 7.993  | 117  | 117398   | 18.881 | ug/L   | 98       |
| 33) Benzene                   | 8.252  | 78   | 387984   | 19.284 | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 96931    | 17.197 | ug/L   | 94       |
| 35) Methylcyclohexane         | 9.275  | 83   | 155713   | 21.121 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 112230   | 23.711 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.587  | 83   | 162873   | 24.160 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 180411   | 24.039 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 96508    | 54.397 | ug/L   | 98       |
| 42) Toluene                   | 10.334 | 91   | 538174   | 24.076 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 10.557 | 75   | 158447   | 24.832 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 112144   | 25.818 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.810 | 164  | 102284   | 23.170 | ug/L   | 99       |
| 48) 2-Hexanone                | 10.922 | 43   | 73586    | 61.543 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.075 | 129  | 127313   | 27.072 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 98485    | 25.878 | ug/L # | 98       |
| 51) Chlorobenzene             | 11.610 | 112  | 370549   | 24.614 | ug/L   | 96       |
| 52) Ethylbenzene              | 11.687 | 91   | 569603   | 24.232 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.793 | 106  | 232107   | 25.182 | ug/L   | 97       |
| 54) o-Xylene                  | 12.122 | 106  | 225647   | 25.710 | ug/L   | 99       |
| 55) Styrene                   | 12.134 | 104  | 413241   | 26.424 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 121584   | 27.123 | ug/L   | 97       |
| 59) Bromoform                 | 12.298 | 173  | 77872    | 25.795 | ug/L   | 100      |
| 60) Isopropylbenzene          | 12.422 | 105  | 590796   | 22.923 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 12.728 | 75   | 75669    | 24.492 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 447977   | 23.044 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 448009   | 24.099 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 287303   | 24.618 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 13.539 | 146  | 296498   | 24.357 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 13.834 | 146  | 265275   | 25.097 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.445 | 75   | 16020    | 25.748 | ug/L   | 89       |
| 69) 1,3,5-Trichlorobenzene    | 14.598 | 180  | 178371   | 24.784 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 150661   | 25.858 | ug/L   | 99       |
| 71) Naphthalene               | 15.334 | 128  | 301031   | 27.944 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 136954   | 26.241 | ug/L   | 98       |

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

