

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD092724\  
 Data File : VD079933.D  
 Acq On : 27 Sep 2024 20:07  
 Operator : RP/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025920

Quant Time: Sep 27 23:42:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM091024SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Sep 27 23:37:15 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 147154   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 143868   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 72427    | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.275  | 65    | 113857   | 17.794   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 71.160%  |
| 7) Chloroethane-d5            | 2.799  | 69    | 104541   | 20.635   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 82.560%  |
| 11) 1,1-Dichloroethene-d2     | 3.922  | 65    | 21082    | 18.146   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 72.600%  |
| 21) 2-Butanone-d5             | 6.987  | 46    | 22696    | 38.176   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 76.360%  |
| 24) Chloroform-d              | 7.569  | 84    | 101106   | 20.902   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 83.600%  |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 52703    | 20.836   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 83.360%  |
| 32) Benzene-d6                | 8.204  | 84    | 218775   | 21.539   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 86.160%  |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 65952    | 21.201   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 84.800%  |
| 41) Toluene-d8                | 10.269 | 98    | 198395   | 22.197   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 88.800%  |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79    | 26170    | 19.568   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 78.280%  |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 20860    | 41.136   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 82.280%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.645 | 84    | 51606    | 22.576   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 90.320%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.810 | 152   | 59339    | 21.725   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 86.920%  |
|                               |        |       |          |          |        |          |
| Target Compounds              | Qvalue |       |          |          |        |          |
| 2) Dichlorodifluoromethane    | 1.934  | 85    | 61994    | 22.094   | ug/L   | 96       |
| 3) Chloromethane              | 2.146  | 50    | 124488   | 25.309   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.281  | 62    | 151589   | 25.150   | ug/L   | 98       |
| 6) Bromomethane               | 2.693  | 94    | 99748    | 32.866   | ug/L   | 99       |
| 8) Chloroethane               | 2.840  | 64    | 104274   | 26.185   | ug/L   | 91       |
| 9) Trichlorofluoromethane     | 3.175  | 101   | 95833    | 22.113   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.969  | 101   | 52846    | 22.030   | ug/L # | 76       |
| 12) 1,1-Dichloroethene        | 3.940  | 96    | 52327    | 23.420   | ug/L   | 83       |
| 13) Acetone                   | 4.022  | 43    | 26912    | 37.129   | ug/L   | 66       |
| 14) Carbon disulfide          | 4.275  | 76    | 198357   | 27.293   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.558  | 43    | 25159    | 21.791   | ug/L # | 90       |
| 16) Methylene chloride        | 4.805  | 84    | 69238    | 23.812   | ug/L   | 92       |
| 17) trans-1,2-Dichloroethene  | 5.316  | 96    | 61704    | 25.901   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 5.316  | 73    | 127237   | 23.741   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.110  | 63    | 112677   | 23.811   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.075  | 96    | 65827    | 25.095   | ug/L   | 98       |
| 22) 2-Butanone                | 7.081  | 43    | 33844    | 39.805   | ug/L   | 97       |
| 23) Bromochloromethane        | 7.428  | 128   | 28467    | 25.570   | ug/L   | 98       |
| 25) Chloroform                | 7.599  | 83    | 118740   | 24.106   | ug/L   | 94       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD092724\  
 Data File : VD079933.D  
 Acq On : 27 Sep 2024 20:07  
 Operator : RP/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025920

Quant Time: Sep 27 23:42:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM091024SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Sep 27 23:37:15 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.322  | 62   | 71320    | 23.689 | ug/L # | 95       |
| 29) Cyclohexane               | 7.881  | 56   | 79992    | 22.479 | ug/L   | 95       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 89979    | 22.944 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 7.993  | 117  | 83901    | 24.147 | ug/L   | 98       |
| 33) Benzene                   | 8.252  | 78   | 268458   | 25.060 | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 60220    | 24.328 | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.275  | 83   | 95616    | 23.936 | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 72670    | 24.874 | ug/L # | 100      |
| 38) Bromodichloromethane      | 9.587  | 83   | 84941    | 24.952 | ug/L   | 93       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 102374   | 24.954 | ug/L   | 94       |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 68602    | 44.858 | ug/L   | 97       |
| 42) Toluene                   | 10.334 | 91   | 286115   | 25.355 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 10.551 | 75   | 88718    | 24.538 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 50350    | 25.225 | ug/L   | 93       |
| 46) Tetrachloroethene         | 10.810 | 164  | 43876    | 26.109 | ug/L   | 95       |
| 48) 2-Hexanone                | 10.922 | 43   | 51143    | 41.113 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.069 | 129  | 54777    | 25.142 | ug/L   | 89       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 44642    | 25.895 | ug/L # | 100      |
| 51) Chlorobenzene             | 11.604 | 112  | 171165   | 25.275 | ug/L   | 96       |
| 52) Ethylbenzene              | 11.681 | 91   | 298650   | 25.194 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.793 | 106  | 114624   | 25.529 | ug/L   | 99       |
| 54) o-Xylene                  | 12.122 | 106  | 112267   | 25.502 | ug/L   | 90       |
| 55) Styrene                   | 12.134 | 104  | 205883   | 26.610 | ug/L   | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 58986    | 25.211 | ug/L   | 97       |
| 59) Bromoform                 | 12.298 | 173  | 30362    | 24.284 | ug/L # | 98       |
| 60) Isopropylbenzene          | 12.422 | 105  | 285361   | 22.821 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.722 | 75   | 38674    | 21.724 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 221835   | 24.257 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 224531   | 23.412 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 129280   | 25.018 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.534 | 146  | 131122   | 24.191 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 13.828 | 146  | 114016   | 24.411 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.445 | 75   | 7599     | 20.861 | ug/L   | 86       |
| 69) 1,3,5-Trichlorobenzene    | 14.592 | 180  | 73154    | 23.347 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 61923    | 23.472 | ug/L   | 96       |
| 71) Naphthalene               | 15.328 | 128  | 125232   | 21.254 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 56487    | 23.937 | ug/L   | 99       |

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

