

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW070224\  
 Data File : VW029460.D  
 Acq On : 02 Jul 2024 21:30  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025540

Quant Time: Jul 03 05:49:14 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jul 03 05:41:51 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 227069   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 216902   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 106354   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 49880    | 15.871   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 63.480%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 46625    | 17.567   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 70.280%  |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 26268    | 17.310   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 69.240%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 48959    | 52.067   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 104.140% |
| 24) Chloroform-d              | 7.648  | 84    | 147854   | 21.828   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 87.320%  |
| 26) 1,2-Dichloroethane-d4     | 8.301  | 65    | 86230    | 22.173   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 88.680%  |
| 32) Benzene-d6                | 8.276  | 84    | 269814   | 20.480   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 81.920%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 92035    | 21.976   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 87.920%  |
| 41) Toluene-d8                | 10.319 | 98    | 240439   | 20.628   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 82.520%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 35112    | 20.805   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 83.240%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 33475    | 50.989   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 101.980% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 77948    | 23.386   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 93.560%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 87853    | 23.798   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 95.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 40714    | 18.378   | ug/L   | 99       |
| 3) Chloromethane              | 2.222  | 50    | 56172    | 17.783   | ug/L   | 96       |
| 5) Vinyl chloride             | 2.375  | 62    | 67032    | 18.479   | ug/L   | 94       |
| 6) Bromomethane               | 2.789  | 94    | 41012    | 18.811   | ug/L   | 96       |
| 8) Chloroethane               | 2.936  | 64    | 44578    | 20.092   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 65252    | 23.202   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 63867    | 20.597   | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 58932    | 22.399   | ug/L   | 82       |
| 13) Acetone                   | 4.118  | 43    | 30972    | 38.759   | ug/L   | 99       |
| 14) Carbon disulfide          | 4.393  | 76    | 159642   | 18.587   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.667  | 43    | 39359    | 24.811   | ug/L   | 99       |
| 16) Methylene chloride        | 4.923  | 84    | 83404    | 20.889   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96    | 66453    | 22.743   | ug/L   | 92       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 122500   | 26.204   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 151466   | 24.002   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 80058    | 24.847   | ug/L   | 95       |
| 22) 2-Butanone                | 7.173  | 43    | 49456    | 45.149   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.508  | 128   | 34305    | 23.917   | ug/L   | 95       |
| 25) Chloroform                | 7.673  | 83    | 151671   | 24.613   | ug/L   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW070224\  
 Data File : VW029460.D  
 Acq On : 02 Jul 2024 21:30  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025540

Quant Time: Jul 03 05:49:14 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jul 03 05:41:51 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 107205   | 23.588 | ug/L  | 100      |
| 29) Cyclohexane               | 7.959  | 56   | 108003   | 21.781 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 113954   | 23.626 | ug/L  | 96       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 99344    | 22.547 | ug/L  | 96       |
| 33) Benzene                   | 8.325  | 78   | 304947   | 23.399 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 78781    | 22.658 | ug/L  | 95       |
| 35) Methylcyclohexane         | 9.337  | 83   | 117829   | 21.548 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 89487    | 24.436 | ug/L  | 98       |
| 38) Bromodichloromethane      | 9.642  | 83   | 109859   | 24.536 | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 126652   | 24.466 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 113178   | 49.863 | ug/L  | 98       |
| 42) Toluene                   | 10.386 | 91   | 320035   | 23.887 | ug/L  | 94       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 106726   | 24.416 | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 61755    | 24.213 | ug/L  | 95       |
| 46) Tetrachloroethene         | 10.861 | 164  | 56076    | 23.071 | ug/L  | 93       |
| 48) 2-Hexanone                | 10.965 | 43   | 77601    | 48.182 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.123 | 129  | 66032    | 24.767 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 54907    | 23.982 | ug/L  | 97       |
| 51) Chlorobenzene             | 11.654 | 112  | 207117   | 23.806 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 373752   | 24.575 | ug/L  | 100      |
| 53) m,p-Xylene                | 11.837 | 106  | 137162   | 24.691 | ug/L  | 99       |
| 54) o-Xylene                  | 12.160 | 106  | 130023   | 25.044 | ug/L  | 97       |
| 55) Styrene                   | 12.178 | 104  | 228561   | 25.249 | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 75268    | 23.857 | ug/L  | 99       |
| 59) Bromoform                 | 12.343 | 173  | 36098    | 24.765 | ug/L  | 97       |
| 60) Isopropylbenzene          | 12.458 | 105  | 359909   | 25.397 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 55780    | 24.046 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 269457   | 26.255 | ug/L  | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 293210   | 26.553 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 155399   | 25.340 | ug/L  | 90       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 158744   | 24.329 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 141959   | 25.039 | ug/L  | 93       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 12275    | 22.675 | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 100421   | 24.263 | ug/L  | 93       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 79686    | 23.750 | ug/L  | 94       |
| 71) Naphthalene               | 15.360 | 128  | 171854   | 25.952 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 78461    | 25.665 | ug/L  | 97       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW070224\  
Data File : VW029460.D  
Acq On : 02 Jul 2024 21:30  
Operator : SY/MD  
Sample : VSTDCCC025EC  
Misc : 5.00g/10mL/MSVOA\_W/SOIL  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025540

Quant Time: Jul 03 05:49:14 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061824SMA.M  
Quant Title : SFAM01.0  
QLast Update : Wed Jul 03 05:41:51 2024  
Response via : Initial Calibration

