

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW090523\  
 Data File : VW026992.D  
 Acq On : 05 Sep 2023 11:10  
 Operator : SY/MD  
 Sample : VSTD05031  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD050431

Quant Time: Sep 06 01:35:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM090523SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Sep 06 01:32:52 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114  | 679480   | 25.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117  | 659368   | 25.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152  | 356524   | 25.000  | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65   | 540523   | 44.527  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.887  | 69   | 460231   | 46.975  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65   | 210471   | 46.719  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 7.075  | 46   | 224837   | 97.728  | ug/L   | 0.00     |
| 24) Chloroform-d              | 7.648  | 84   | 985533   | 48.743  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65   | 503164   | 47.346  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.276  | 84   | 2093426  | 48.404  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67   | 635494   | 50.057  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.325 | 98   | 1904922  | 48.649  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79   | 250799   | 50.900  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.922 | 63   | 135432   | 114.253 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84   | 497692   | 50.510  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152  | 603107   | 48.911  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.015  | 85   | 330715   | 42.197  | ug/L   | 98       |
| 3) Chloromethane              | 2.229  | 50   | 572612   | 48.579  | ug/L   | 99       |
| 5) Vinyl chloride             | 2.375  | 62   | 637882   | 47.431  | ug/L   | 98       |
| 6) Bromomethane               | 2.783  | 94   | 427924   | 48.212  | ug/L   | 97       |
| 8) Chloroethane               | 2.924  | 64   | 407364   | 48.260  | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.259  | 101  | 401918   | 51.579  | ug/L   | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.064  | 101  | 469066   | 48.408  | ug/L # | 73       |
| 12) 1,1-Dichloroethene        | 4.045  | 96   | 469052   | 48.858  | ug/L   | 92       |
| 13) Acetone                   | 4.118  | 43   | 167044   | 81.562  | ug/L   | 97       |
| 14) Carbon disulfide          | 4.393  | 76   | 1505430  | 48.891  | ug/L   | 98       |
| 15) Methyl Acetate            | 4.667  | 43   | 218193   | 49.535  | ug/L # | 89       |
| 16) Methylene chloride        | 4.923  | 84   | 514581   | 38.520  | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96   | 528908   | 50.336  | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73   | 784584   | 53.610  | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 6.216  | 63   | 992976   | 50.133  | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96   | 596317   | 51.570  | ug/L   | 95       |
| 22) 2-Butanone                | 7.167  | 43   | 294734   | 90.063  | ug/L   | 100      |
| 23) Bromochloromethane        | 7.514  | 128  | 243179   | 48.460  | ug/L   | 97       |
| 25) Chloroform                | 7.673  | 83   | 951476   | 48.977  | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 612529   | 49.840  | ug/L   | 98       |
| 29) Cyclohexane               | 7.959  | 56   | 911949   | 53.048  | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 726726   | 48.657  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 646243   | 48.546  | ug/L   | 97       |
| 33) Benzene                   | 8.319  | 78   | 2220824  | 49.250  | ug/L   | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 568528   | 49.069  | ug/L   | 98       |
| 35) Methylcyclohexane         | 9.337  | 83   | 1026118  | 52.125  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 576290   | 50.080  | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 677168   | 49.968  | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 908476   | 53.165  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 640017   | 107.730 | ug/L   | 99       |
| 42) Toluene                   | 10.386 | 91   | 2366924  | 51.005  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 733000   | 52.839  | ug/L   | 97       |

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Quant Time: Sep 06 01:35:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM090523SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Sep 06 01:32:52 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 413593   | 49.892  | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 436581   | 49.363  | ug/L  | 95       |
| 48) 2-Hexanone                | 10.965 | 43   | 445708   | 112.771 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.129 | 129  | 438978   | 51.407  | ug/L  | 92       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 378077   | 50.377  | ug/L  | 100      |
| 51) Chlorobenzene             | 11.654 | 112  | 1505875  | 50.380  | ug/L  | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 2656483  | 51.636  | ug/L  | 99       |
| 53) m,p-Xylene                | 11.837 | 106  | 986311   | 50.682  | ug/L  | 94       |
| 54) o-Xylene                  | 12.160 | 106  | 973667   | 53.472  | ug/L  | 93       |
| 55) Styrene                   | 12.178 | 104  | 1676904  | 53.960  | ug/L  | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 495026   | 50.467  | ug/L  | 99       |
| 59) Bromoform                 | 12.349 | 173  | 258210   | 50.926  | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.458 | 105  | 2550615  | 52.224  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 348400   | 51.083  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 2144378  | 55.022  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 2082517  | 54.656  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 1137842  | 51.212  | ug/L  | 94       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 1114103  | 49.341  | ug/L  | 85       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 999205   | 49.915  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 74451    | 48.138  | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 763942   | 49.497  | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 639779   | 50.912  | ug/L  | 90       |
| 71) Naphthalene               | 15.360 | 128  | 1288423  | 57.944  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 569125   | 49.959  | ug/L  | 98       |

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

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