

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100423\  
 Data File : VW027210.D  
 Acq On : 04 Oct 2023 09:50  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025512

Quant Time: Oct 04 22:44:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092723SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Oct 04 01:37:43 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 570837   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 548690   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 311335   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 181905   | 20.282   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 81.120%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 147342   | 20.786   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 83.160%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 82162    | 22.049   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 88.200%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 72379    | 39.037   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 78.080%  |
| 24) Chloroform-d              | 7.648  | 84    | 377775   | 22.612   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 90.440%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 177872   | 22.216   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 88.880%  |
| 32) Benzene-d6                | 8.276  | 84    | 763947   | 22.718   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 90.880%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 220464   | 21.899   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 87.600%  |
| 41) Toluene-d8                | 10.325 | 98    | 705501   | 23.775   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 95.120%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 92402    | 23.388   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 93.560%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 65769    | 42.706   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 85.420%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 166628   | 21.627   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 86.520%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.855 | 152   | 238105   | 22.810   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 91.240%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.021  | 85    | 193032   | 26.024   | ug/L   | # 65     |
| 3) Chloromethane              | 2.223  | 50    | 208191   | 20.794   | ug/L   | 100      |
| 5) Vinyl chloride             | 2.375  | 62    | 253499   | 23.190   | ug/L   | 99       |
| 6) Bromomethane               | 2.790  | 94    | 164506   | 22.842   | ug/L   | 98       |
| 8) Chloroethane               | 2.936  | 64    | 151143   | 22.782   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 230134   | 25.049   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 211413   | 22.871   | ug/L   | # 70     |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 216133   | 24.474   | ug/L   | 95       |
| 13) Acetone                   | 4.119  | 43    | 114856   | 50.131   | ug/L   | 98       |
| 14) Carbon disulfide          | 4.387  | 76    | 690474   | 23.295   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.667  | 43    | 79021    | 20.578   | ug/L   | 99       |
| 16) Methylene chloride        | 4.917  | 84    | 252169   | 22.566   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 5.435  | 96    | 229013   | 24.102   | ug/L   | 93       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 279421   | 23.499   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 417161   | 23.542   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 242189   | 23.911   | ug/L   | 99       |
| 22) 2-Butanone                | 7.173  | 43    | 126810   | 44.753   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.520  | 128   | 107108   | 23.175   | ug/L   | 90       |
| 25) Chloroform                | 7.673  | 83    | 428872   | 24.814   | ug/L   | 95       |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025512

Quant Time: Oct 04 22:44:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092723SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Oct 04 01:37:43 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 252739   | 23.872 | ug/L   | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 359408   | 24.621 | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 357392   | 26.202 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 334273   | 25.947 | ug/L   | 99       |
| 33) Benzene                   | 8.325  | 78   | 945617   | 24.383 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 246444   | 24.335 | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.337  | 83   | 434108   | 25.486 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 234236   | 23.441 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 295997   | 24.663 | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 367810   | 24.981 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 214662   | 44.280 | ug/L   | 99       |
| 42) Toluene                   | 10.386 | 91   | 1025908  | 25.760 | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 302065   | 25.033 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 172335   | 23.832 | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.861 | 164  | 196298   | 24.658 | ug/L   | 96       |
| 48) 2-Hexanone                | 10.965 | 43   | 186917   | 49.183 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.130 | 129  | 194773   | 24.835 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 156943   | 23.388 | ug/L # | 97       |
| 51) Chlorobenzene             | 11.654 | 112  | 650450   | 24.612 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 1163333  | 26.001 | ug/L   | 100      |
| 53) m,p-Xylene                | 11.837 | 106  | 452775   | 26.392 | ug/L   | 89       |
| 54) o-Xylene                  | 12.166 | 106  | 417207   | 26.033 | ug/L   | 99       |
| 55) Styrene                   | 12.178 | 104  | 725031   | 26.281 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 191784   | 22.111 | ug/L   | 98       |
| 59) Bromoform                 | 12.349 | 173  | 112657   | 22.915 | ug/L   | 97       |
| 60) Isopropylbenzene          | 12.465 | 105  | 1160251  | 25.308 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 135090   | 21.194 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 926656   | 25.781 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 941668   | 26.734 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 512078   | 24.201 | ug/L   | 94       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 522822   | 24.594 | ug/L   | 94       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 441780   | 23.820 | ug/L   | 92       |
| 68) 1,2-Dibromo-3-chloropr... | 14.483 | 75   | 28634    | 20.972 | ug/L   | 85       |
| 69) 1,3,5-Trichlorobenzene    | 14.629 | 180  | 342612   | 25.146 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 272246   | 25.327 | ug/L   | 99       |
| 71) Naphthalene               | 15.360 | 128  | 447447   | 23.592 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 243288   | 25.497 | ug/L   | 98       |

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

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