

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW102423\  
 Data File : VW027414.D  
 Acq On : 24 Oct 2023 14:06  
 Operator : SY/MD  
 Sample : 04961-09REMS  
 Misc : 6.63g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 E0LJ3REMS

Quant Time: Oct 25 01:30:46 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM101123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Oct 25 01:28:28 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 544834   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 308199   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 54625    | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 202096   | 24.305   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 97.200%   |
| 7) Chloroethane-d5            | 2.893  | 69    | 167771   | 28.100   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 112.400%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 98047    | 23.533   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 94.120%   |
| 21) 2-Butanone-d5             | 7.075  | 46    | 163838   | 59.282   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 118.560%  |
| 24) Chloroform-d              | 7.648  | 84    | 432467   | 26.632   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 106.520%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 228622   | 26.209   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 104.840%  |
| 32) Benzene-d6                | 8.276  | 84    | 853219   | 40.918   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 163.680%# |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 270172   | 42.420   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 169.680%# |
| 41) Toluene-d8                | 10.325 | 98    | 581839   | 30.771   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 123.080%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 78369    | 26.988   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 107.960%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 102562   | 77.834   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 155.660%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 171492   | 36.090   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 144.360%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 57356    | 28.975   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 115.880%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 2.021  | 85    | 109149   | 16.837   | ug/L # | 86        |
| 3) Chloromethane              | 2.229  | 50    | 155419   | 20.862   | ug/L   | 98        |
| 5) Vinyl chloride             | 2.381  | 62    | 167002   | 20.068   | ug/L   | 98        |
| 6) Bromomethane               | 2.783  | 94    | 89467    | 18.875   | ug/L   | 95        |
| 8) Chloroethane               | 2.930  | 64    | 98729    | 20.611   | ug/L   | 96        |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 119388   | 20.336   | ug/L   | 99        |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082  | 101   | 132125   | 17.972   | ug/L   | 98        |
| 12) 1,1-Dichloroethene        | 4.039  | 96    | 133963   | 18.751   | ug/L   | 87        |
| 13) Acetone                   | 4.118  | 43    | 114976   | 48.167   | ug/L   | 97        |
| 14) Carbon disulfide          | 4.387  | 76    | 359333   | 16.224   | ug/L   | 98        |
| 15) Methyl Acetate            | 4.673  | 43    | 81733    | 20.047   | ug/L   | 97        |
| 16) Methylene chloride        | 4.917  | 84    | 159879   | 16.031   | ug/L   | 94        |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 154691   | 20.147   | ug/L   | 98        |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 272991   | 20.607   | ug/L # | 88        |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 337061   | 21.516   | ug/L   | 100       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 327325   | 37.749   | ug/L   | 97        |
| 22) 2-Butanone                | 7.167  | 43    | 129735   | 36.311   | ug/L   | 100       |
| 23) Bromochloromethane        | 7.514  | 128   | 66116    | 18.469   | ug/L   | 84        |
| 25) Chloroform                | 7.673  | 83    | 293402   | 20.011   | ug/L   | 100       |

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 ClientSampleId :  
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM101123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Oct 25 01:28:28 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|------|----------|----------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 189933   | 19.070   | ug/L  | 100      |
| 29) Cyclohexane               | 7.959  | 56   | 205452   | 21.955   | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 227197   | 30.221   | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 177128   | 26.129   | ug/L  | 99       |
| 33) Benzene                   | 8.325  | 78   | 613637   | 30.466   | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 904962   | 170.091  | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.337  | 83   | 140760   | 14.794   | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 168476   | 30.935   | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 184807   | 27.597   | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 221362   | 24.606   | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 231671   | 61.855   | ug/L  | 98       |
| 42) Toluene                   | 10.386 | 91   | 491193   | 23.247   | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 154696   | 20.379   | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 102112   | 27.247   | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 5794919  | 1577.377 | ug/L  | 96       |
| 48) 2-Hexanone                | 10.965 | 43   | 156732   | 56.539   | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.129 | 129  | 89320    | 21.461   | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 74714    | 20.562   | ug/L  | 98       |
| 51) Chlorobenzene             | 11.654 | 112  | 232185   | 17.548   | ug/L  | 95       |
| 52) Ethylbenzene              | 11.727 | 91   | 373956   | 15.230   | ug/L  | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 130264   | 13.987   | ug/L  | 94       |
| 54) o-Xylene                  | 12.166 | 106  | 160473   | 17.994   | ug/L  | 99       |
| 55) Styrene                   | 12.178 | 104  | 201750   | 13.246   | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 113691   | 24.850   | ug/L  | 99       |
| 59) Bromoform                 | 12.349 | 173  | 40486    | 49.809   | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.458 | 105  | 348741   | 40.640   | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 82576    | 69.233   | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 248713   | 34.746   | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 204547   | 29.206   | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 61592    | 17.700   | ug/L  | 95       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 59710    | 17.182   | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 64435    | 20.867   | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 14142    | 47.442   | ug/L  | 89       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 21540    | 9.535    | ug/L  | 92       |
| 70) 1,2,4-trichlorobenzene    | 15.123 | 180  | 11594    | 6.030    | ug/L  | 99       |
| 71) Naphthalene               | 15.360 | 128  | 50019    | 12.650   | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.555 | 180  | 11380    | 7.198    | ug/L  | 95       |

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

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