

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW073024\  
 Data File : VW029801.D  
 Acq On : 30 Jul 2024 14:40  
 Operator : SY/MD  
 Sample : P3328-22MSD  
 Misc : 10.57g/10mL/MSVOA\_W/SOIL/B  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 E20N1MSD

Quant Time: Jul 31 02:01:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM072424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jul 31 01:58:39 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.837  | 114   | 245301   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 228349   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 115872   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 50696    | 14.558   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 58.240%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 44273    | 17.807   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 71.240%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 26954    | 16.956   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 67.840%  |
| 21) 2-Butanone-d5             | 7.081  | 46    | 41919    | 43.918   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 87.840%  |
| 24) Chloroform-d              | 7.648  | 84    | 141157   | 22.229   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 88.920%  |
| 26) 1,2-Dichloroethane-d4     | 8.301  | 65    | 82055    | 22.687   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 90.760%  |
| 32) Benzene-d6                | 8.276  | 84    | 260625   | 21.124   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 84.480%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 85543    | 21.713   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 86.840%  |
| 41) Toluene-d8                | 10.319 | 98    | 234923   | 21.414   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 85.640%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 34135    | 21.413   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 85.640%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 28817    | 44.360   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 88.720%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 67731    | 23.154   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 92.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 77636    | 21.578   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 86.320%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 76472    | 23.128   | ug/L # | 84       |
| 3) Chloromethane              | 2.222  | 50    | 98251    | 24.013   | ug/L   | 96       |
| 5) Vinyl chloride             | 2.375  | 62    | 101978   | 22.244   | ug/L   | 99       |
| 6) Bromomethane               | 2.789  | 94    | 59954    | 23.816   | ug/L   | 93       |
| 8) Chloroethane               | 2.930  | 64    | 61615    | 23.625   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 84597    | 23.102   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 78235    | 21.451   | ug/L # | 60       |
| 12) 1,1-Dichloroethene        | 4.051  | 96    | 75911    | 22.652   | ug/L   | 97       |
| 13) Acetone                   | 4.125  | 43    | 41537    | 35.017   | ug/L   | 98       |
| 14) Carbon disulfide          | 4.399  | 76    | 257744   | 23.112   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.673  | 43    | 47427    | 24.005   | ug/L   | 99       |
| 16) Methylene chloride        | 4.923  | 84    | 113439   | 22.121   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96    | 86691    | 24.006   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 142857   | 24.002   | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 184545   | 24.230   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 95587    | 24.402   | ug/L   | 96       |
| 22) 2-Butanone                | 7.173  | 43    | 61769    | 40.641   | ug/L   | 97       |
| 23) Bromochloromethane        | 7.514  | 128   | 41279    | 24.822   | ug/L   | 93       |
| 25) Chloroform                | 7.673  | 83    | 179700   | 25.043   | ug/L   | 99       |

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Quant Time: Jul 31 02:01:04 2024  
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 Quant Title : SFAM01.0  
 QLast Update : Wed Jul 31 01:58:39 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 131034   | 25.056 | ug/L   | 98       |
| 29) Cyclohexane               | 7.959  | 56   | 151358   | 23.324 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 135674   | 23.462 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 123787   | 23.757 | ug/L   | 100      |
| 33) Benzene                   | 8.325  | 78   | 380562   | 24.324 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 97326    | 23.729 | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.331  | 83   | 164151   | 24.018 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 105896   | 24.698 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 126485   | 24.773 | ug/L   | 94       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 154170   | 24.690 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 133734   | 49.106 | ug/L   | 100      |
| 42) Toluene                   | 10.386 | 91   | 400140   | 25.055 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 128003   | 24.694 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 70671    | 24.535 | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 68206    | 22.880 | ug/L   | 86       |
| 48) 2-Hexanone                | 10.965 | 43   | 91394    | 44.807 | ug/L   | 98       |
| 49) Dibromochloromethane      | 11.129 | 129  | 75240    | 25.162 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 64404    | 24.165 | ug/L   | 94       |
| 51) Chlorobenzene             | 11.654 | 112  | 246028   | 24.767 | ug/L   | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 450725   | 25.020 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 164617   | 24.847 | ug/L   | 94       |
| 54) o-Xylene                  | 12.160 | 106  | 155333   | 25.460 | ug/L   | 100      |
| 55) Styrene                   | 12.178 | 104  | 272094   | 25.729 | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 83853    | 23.718 | ug/L # | 99       |
| 59) Bromoform                 | 12.343 | 173  | 40570    | 23.269 | ug/L   | 97       |
| 60) Isopropylbenzene          | 12.458 | 105  | 430435   | 24.006 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 63441    | 22.511 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 352342   | 26.437 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 372184   | 26.112 | ug/L   | 95       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 182876   | 23.905 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 185361   | 23.589 | ug/L   | 92       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 162695   | 23.360 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 14076    | 21.998 | ug/L   | 88       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 119459   | 22.823 | ug/L   | 95       |
| 70) 1,2,4-trichlorobenzene    | 15.123 | 180  | 99594    | 22.586 | ug/L   | 94       |
| 71) Naphthalene               | 15.354 | 128  | 204073   | 24.255 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 87418    | 21.903 | ug/L   | 90       |

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

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