

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100924\  
 Data File : VW030496.D  
 Acq On : 10 Oct 2024 00:23  
 Operator : SY/MD  
 Sample : P4329-20MSD  
 Misc : 5.29g/10mL/MSVOA\_W/SOIL/B  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A4FB7MSD

Quant Time: Oct 10 01:34:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Oct 10 01:29:22 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 334991   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 313782   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 150098   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 120979   | 22.976   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 91.920%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 99805    | 25.040   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 100.160% |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 49440    | 22.575   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 90.280%  |
| 21) 2-Butanone-d5             | 7.081  | 46    | 47273    | 49.887   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 99.780%  |
| 24) Chloroform-d              | 7.648  | 84    | 251929   | 26.297   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 105.200% |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 132922   | 26.682   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 106.720% |
| 32) Benzene-d6                | 8.276  | 84    | 478385   | 26.268   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 105.080% |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 141002   | 26.378   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 105.520% |
| 41) Toluene-d8                | 10.319 | 98    | 452758   | 27.233   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 108.920% |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 59283    | 26.486   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 105.960% |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 38342    | 55.691   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 111.380% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 104159   | 26.533   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 106.120% |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152   | 145204   | 28.591   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 114.360% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 85020    | 19.865   | ug/L   | 94       |
| 3) Chloromethane              | 2.229  | 50    | 121732   | 24.472   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.375  | 62    | 138925   | 22.710   | ug/L   | 97       |
| 6) Bromomethane               | 2.790  | 94    | 94676    | 23.514   | ug/L   | 94       |
| 8) Chloroethane               | 2.936  | 64    | 87150    | 23.305   | ug/L   | 93       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 116118   | 21.214   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 106401   | 21.606   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 100346   | 22.327   | ug/L   | 82       |
| 13) Acetone                   | 4.125  | 43    | 48744    | 35.136   | ug/L   | 96       |
| 14) Carbon disulfide          | 4.393  | 76    | 334577   | 22.797   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.673  | 43    | 41245    | 24.068   | ug/L   | 99       |
| 16) Methylene chloride        | 4.923  | 84    | 109871   | 21.695   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 117989   | 24.329   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 171101   | 25.208   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 216571   | 24.027   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 127201   | 24.590   | ug/L   | 97       |
| 22) 2-Butanone                | 7.173  | 43    | 62203    | 41.596   | ug/L   | 100      |
| 23) Bromochloromethane        | 7.520  | 128   | 54169    | 23.937   | ug/L   | 94       |
| 25) Chloroform                | 7.679  | 83    | 234952   | 24.392   | ug/L   | 98       |

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 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A4FB7MSD

Quant Time: Oct 10 01:34:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Oct 10 01:29:22 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 153117   | 24.095 | ug/L   | 100      |
| 29) Cyclohexane               | 7.959  | 56   | 180386   | 23.616 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 188365   | 22.614 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 167433   | 22.506 | ug/L   | 99       |
| 33) Benzene                   | 8.325  | 78   | 489646   | 23.979 | ug/L   | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 129275   | 22.756 | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.331  | 83   | 204335   | 22.855 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 120864   | 23.699 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 161922   | 23.864 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 187803   | 24.414 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 119510   | 48.779 | ug/L   | 98       |
| 42) Toluene                   | 10.386 | 91   | 536982   | 24.650 | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 155878   | 24.114 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 87188    | 23.655 | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.861 | 164  | 99093    | 23.650 | ug/L   | 97       |
| 48) 2-Hexanone                | 10.965 | 43   | 88989    | 44.415 | ug/L   | 97       |
| 49) Dibromochloromethane      | 11.123 | 129  | 98772    | 24.017 | ug/L   | 91       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 81102    | 23.581 | ug/L # | 95       |
| 51) Chlorobenzene             | 11.654 | 112  | 326765   | 23.301 | ug/L   | 96       |
| 52) Ethylbenzene              | 11.727 | 91   | 606679   | 24.406 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 223703   | 24.021 | ug/L   | 91       |
| 54) o-Xylene                  | 12.160 | 106  | 209818   | 24.370 | ug/L   | 86       |
| 55) Styrene                   | 12.178 | 104  | 368966   | 25.068 | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 12.715 | 83   | 96599    | 23.241 | ug/L   | 96       |
| 59) Bromoform                 | 12.349 | 173  | 50525    | 23.959 | ug/L   | 100      |
| 60) Isopropylbenzene          | 12.459 | 105  | 585811   | 25.202 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 68815    | 23.561 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 485662   | 26.483 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 487892   | 27.173 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 242203   | 23.938 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 263646   | 25.236 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 228450   | 25.659 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 14977    | 22.997 | ug/L   | 95       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 167294   | 25.074 | ug/L   | 95       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 138412   | 25.769 | ug/L   | 99       |
| 71) Naphthalene               | 15.360 | 128  | 262548   | 28.293 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 118093   | 25.362 | ug/L   | 97       |

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

