

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW101923\  
 Data File : VW032507.D  
 Acq On : 19 Oct 2023 19:18  
 Operator : SY/MD  
 Sample : 04950-22MSD  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A49M0MSD

Quant Time: Oct 20 06:26:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Oct 20 06:17:42 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.539  | 114   | 100883   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786  | 117   | 106004   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188 | 152   | 56244    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 38043    | 4.637    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 92.800%  |
| 7) Chloroethane-d5            | 1.532  | 69    | 34562    | 5.189    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 103.800% |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65    | 15457    | 4.467    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 89.400%  |
| 20) 2-Butanone-d5             | 3.802  | 46    | 101396   | 48.853   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 97.700%  |
| 24) Chloroform-d              | 4.252  | 84    | 71430    | 4.935    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.800%  |
| 26) 1,2-Dichloroethane-d4     | 4.947  | 65    | 35806    | 5.223    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 104.400% |
| 32) Benzene-d6                | 4.963  | 84    | 133665   | 4.285    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 85.800%  |
| 36) 1,2-Dichloropropane-d6    | 5.992  | 67    | 42608    | 4.123    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 82.400%  |
| 41) Toluene-d8                | 7.246  | 98    | 125967   | 4.416    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 88.400%  |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79    | 15866    | 4.333    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 86.600%  |
| 46) 2-Hexanone-d5             | 8.027  | 63    | 86366    | 50.125   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 100.240% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156 | 84    | 36870    | 5.101    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 102.000% |
| 66) 1,2-Dichlorobenzene-d4    | 11.564 | 152   | 46235    | 4.430    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 88.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105  | 85    | 53416    | 4.751    | ug/L   | 100      |
| 3) Chloromethane              | 1.217  | 50    | 63546    | 5.607    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.281  | 62    | 54093    | 5.004    | ug/L   | 99       |
| 6) Bromomethane               | 1.487  | 94    | 28697    | 4.395    | ug/L   | 97       |
| 8) Chloroethane               | 1.548  | 64    | 35823    | 5.505    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.716  | 101   | 69320    | 5.348    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101   | 41573    | 5.293    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.069  | 96    | 37818    | 5.111    | ug/L   | 97       |
| 13) Acetone                   | 2.134  | 43    | 72787    | 45.500   | ug/L   | 97       |
| 14) Carbon disulfide          | 2.243  | 76    | 108613   | 4.199    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.384  | 43    | 15579    | 4.326    | ug/L   | 94       |
| 16) Methylene chloride        | 2.449  | 84    | 43857    | 4.547    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 2.706  | 73    | 95277    | 4.730    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 2.696  | 96    | 39499    | 4.661    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.114  | 63    | 80162    | 5.028    | ug/L   | 98       |
| 21) 2-Butanone                | 3.883  | 43    | 108016   | 43.179   | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 3.815  | 96    | 44435    | 4.870    | ug/L   | 88       |
| 23) Bromochloromethane        | 4.153  | 128   | 19007    | 4.951    | ug/L   | 97       |
| 25) Chloroform                | 4.278  | 83    | 83388    | 5.331    | ug/L   | 99       |

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 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A49M0MSD

Quant Time: Oct 20 06:26:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Oct 20 06:17:42 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.043  | 62   | 48055    | 5.200  | ug/L   | 100      |
| 29) 1,1,1-Trichloroethane     | 4.513  | 97   | 68699    | 4.767  | ug/L   | 98       |
| 30) Cyclohexane               | 4.587  | 56   | 62205    | 3.928  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.735  | 117  | 57353    | 4.703  | ug/L   | 98       |
| 33) Benzene                   | 5.011  | 78   | 175060   | 4.691  | ug/L   | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 43625    | 4.282  | ug/L   | 94       |
| 35) Methylcyclohexane         | 6.053  | 83   | 58113    | 3.686  | ug/L   | 91       |
| 37) 1,2-Dichloropropane       | 6.095  | 63   | 50678    | 5.077  | ug/L   | 100      |
| 38) Bromodichloromethane      | 6.436  | 83   | 60594    | 5.109  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 6.956  | 75   | 63068    | 4.440  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.159  | 43   | 297219   | 47.056 | ug/L   | 97       |
| 42) Toluene                   | 7.317  | 91   | 196667   | 4.943  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 7.583  | 75   | 51837    | 4.441  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 7.770  | 97   | 34034    | 4.834  | ug/L   | 98       |
| 47) Tetrachloroethene         | 7.908  | 164  | 34538    | 4.470  | ug/L   | 99       |
| 48) 2-Hexanone                | 8.079  | 43   | 207537   | 46.570 | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.178  | 129  | 35570    | 4.852  | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 8.284  | 107  | 30316    | 4.552  | ug/L   | 96       |
| 51) Chlorobenzene             | 8.815  | 112  | 119996   | 4.685  | ug/L   | 97       |
| 52) Ethylbenzene              | 8.950  | 91   | 204281   | 4.611  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.075  | 106  | 77378    | 4.709  | ug/L   | 99       |
| 54) o-Xylene                  | 9.480  | 106  | 73069    | 4.615  | ug/L   | 100      |
| 55) Styrene                   | 9.500  | 104  | 127703   | 4.776  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.181 | 83   | 40070    | 5.172  | ug/L   | 100      |
| 59) Bromoform                 | 9.670  | 173  | 18912    | 4.624  | ug/L   | 99       |
| 60) Isopropylbenzene          | 9.870  | 105  | 201913   | 4.619  | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 10.214 | 75   | 27376    | 4.573  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.480 | 105  | 152891   | 4.292  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.853 | 105  | 155949   | 4.397  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.120 | 146  | 96703    | 4.631  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.210 | 146  | 94967    | 4.533  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.583 | 146  | 87860    | 4.613  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.368 | 75   | 6025     | 4.926  | ug/L # | 81       |
| 69) 1,3,5-Trichlorobenzene    | 12.586 | 180  | 66485    | 4.348  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.201 | 180  | 55923    | 4.123  | ug/L   | 99       |
| 71) Naphthalene               | 13.442 | 128  | 92601    | 4.019  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.683 | 180  | 51464    | 4.403  | ug/L   | 98       |

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

