

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW111424\  
 Data File : VW031018.D  
 Acq On : 14 Nov 2024 15:41  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025565

Quant Time: Nov 15 04:04:16 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM110424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Nov 15 04:02:45 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) 1,4-Difluorobenzene     | 8.843  | 114  | 395970   | 25.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.635 | 117  | 348647   | 25.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 13.556 | 152  | 178395   | 25.000 | ug/L  | 0.00     |

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds   |        |       |          |          |      |          |
| 4) Vinyl Chloride-d3          | 2.362  | 65    | 96751    | 14.898   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =    | 59.600%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 85301    | 17.126   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =    | 68.520%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 50068    | 18.684   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =    | 74.720%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 53306    | 49.878   | ug/L | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =    | 99.760%  |
| 24) Chloroform-d              | 7.648  | 84    | 270172   | 23.144   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =    | 92.560%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 127393   | 21.949   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =    | 87.800%  |
| 32) Benzene-d6                | 8.276  | 84    | 509903   | 23.542   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =    | 94.160%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 151286   | 23.694   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =    | 94.760%  |
| 41) Toluene-d8                | 10.324 | 98    | 461571   | 23.758   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =    | 95.040%  |
| 43) trans-1,3-Dichloroprop... | 10.574 | 79    | 56229    | 21.725   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =    | 86.920%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 44158    | 53.362   | ug/L | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =    | 106.720% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 113306   | 25.470   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =    | 101.880% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 151601   | 23.330   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =    | 93.320%  |

|                               |       |     |        |        |        |     |
|-------------------------------|-------|-----|--------|--------|--------|-----|
| Target Compounds              |       |     |        |        | Qvalue |     |
| 2) Dichlorodifluoromethane    | 2.015 | 85  | 75879  | 17.990 | ug/L   | 96  |
| 3) Chloromethane              | 2.222 | 50  | 84815  | 14.923 | ug/L   | 97  |
| 5) Vinyl chloride             | 2.375 | 62  | 116150 | 17.244 | ug/L   | 95  |
| 6) Bromomethane               | 2.789 | 94  | 76725  | 17.349 | ug/L   | 94  |
| 8) Chloroethane               | 2.936 | 64  | 72491  | 17.753 | ug/L   | 97  |
| 9) Trichlorofluoromethane     | 3.271 | 101 | 117599 | 19.131 | ug/L   | 100 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082 | 101 | 118410 | 20.925 | ug/L   | 90  |
| 12) 1,1-Dichloroethene        | 4.045 | 96  | 110386 | 21.568 | ug/L   | 82  |
| 13) Acetone                   | 4.124 | 43  | 46663  | 35.749 | ug/L   | 92  |
| 14) Carbon disulfide          | 4.386 | 76  | 316941 | 18.837 | ug/L   | 99  |
| 15) Methyl Acetate            | 4.673 | 43  | 40148  | 20.969 | ug/L   | 98  |
| 16) Methylene chloride        | 4.923 | 84  | 126725 | 22.637 | ug/L   | 89  |
| 17) trans-1,2-Dichloroethene  | 5.429 | 96  | 121194 | 21.584 | ug/L   | 96  |
| 18) Methyl tert-butyl Ether   | 5.429 | 73  | 166193 | 21.930 | ug/L # | 89  |
| 19) 1,1-Dichloroethane        | 6.222 | 63  | 229394 | 21.893 | ug/L   | 97  |
| 20) cis-1,2-Dichloroethene    | 7.173 | 96  | 135445 | 22.739 | ug/L   | 94  |
| 22) 2-Butanone                | 7.166 | 43  | 58282  | 39.871 | ug/L   | 98  |
| 23) Bromochloromethane        | 7.514 | 128 | 59594  | 22.845 | ug/L   | 91  |
| 25) Chloroform                | 7.679 | 83  | 248672 | 22.556 | ug/L   | 98  |

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 Sample : VSTDCCC025EC  
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 ALS Vial : 7 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :  
 VSTD025565

Quant Time: Nov 15 04:04:16 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM110424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Nov 15 04:02:45 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 140170   | 20.415 | ug/L   | 97       |
| 29) Cyclohexane               | 7.959  | 56   | 172809   | 20.683 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 198983   | 22.218 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 8.075  | 117  | 176225   | 21.898 | ug/L   | 98       |
| 33) Benzene                   | 8.325  | 78   | 529681   | 23.571 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 138235   | 22.308 | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.337  | 83   | 208227   | 21.201 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 131951   | 23.495 | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.642  | 83   | 167039   | 22.648 | ug/L   | 94       |
| 39) cis-1,3-Dichloropropene   | 10.068 | 75   | 190279   | 22.648 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 112154   | 43.667 | ug/L   | 97       |
| 42) Toluene                   | 10.385 | 91   | 566333   | 23.799 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 154835   | 22.184 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 95021    | 23.571 | ug/L   | 99       |
| 46) Tetrachloroethene         | 10.861 | 164  | 110401   | 23.305 | ug/L   | 88       |
| 48) 2-Hexanone                | 10.965 | 43   | 80216    | 41.052 | ug/L   | 94       |
| 49) Dibromochloromethane      | 11.129 | 129  | 106966   | 24.337 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 87909    | 23.647 | ug/L   | 92       |
| 51) Chlorobenzene             | 11.653 | 112  | 362075   | 23.774 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 629754   | 23.421 | ug/L   | 100      |
| 53) m,p-Xylene                | 11.836 | 106  | 243732   | 24.102 | ug/L   | 93       |
| 54) o-Xylene                  | 12.159 | 106  | 225468   | 24.230 | ug/L   | 95       |
| 55) Styrene                   | 12.178 | 104  | 397898   | 25.027 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 104469   | 23.747 | ug/L   | 97       |
| 59) Bromoform                 | 12.348 | 173  | 61040    | 23.962 | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.458 | 105  | 636496   | 23.390 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 72277    | 21.610 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 502183   | 23.439 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 492846   | 23.620 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 281089   | 23.525 | ug/L   | 92       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 272331   | 22.201 | ug/L   | 94       |
| 67) 1,2-Dichlorobenzene       | 13.866 | 146  | 236275   | 22.187 | ug/L   | 91       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 14850    | 20.972 | ug/L # | 79       |
| 69) 1,3,5-Trichlorobenzene    | 14.622 | 180  | 178430   | 22.504 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.128 | 180  | 143005   | 22.714 | ug/L   | 97       |
| 71) Naphthalene               | 15.360 | 128  | 236641   | 23.186 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 125759   | 23.177 | ug/L   | 98       |

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

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