

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW111524\  
 Data File : VW031036.D  
 Acq On : 15 Nov 2024 19:46  
 Operator : SY/MD  
 Sample : P4872-07MSD  
 Misc : 6.15g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 E29X5MSD

Quant Time: Nov 16 00:41:22 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM110424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Nov 16 00:35:12 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) 1,4-Difluorobenzene     | 8.837  | 114  | 597704   | 25.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.629 | 117  | 492256   | 25.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 13.556 | 152  | 212812   | 25.000 | ug/L  | 0.00     |

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds   |        |       |          |          |      |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 101786   | 10.383   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =    | 41.520%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 85705    | 11.399   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =    | 45.600%  |
| 11) 1,1-Dichloroethene-d2     | 4.015  | 65    | 53532    | 13.234   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =    | 52.920%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 69811    | 43.275   | ug/L | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =    | 86.540%  |
| 24) Chloroform-d              | 7.648  | 84    | 287462   | 16.314   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =    | 65.240%  |
| 26) 1,2-Dichloroethane-d4     | 8.301  | 65    | 144698   | 16.516   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =    | 66.080%# |
| 32) Benzene-d6                | 8.270  | 84    | 539710   | 17.648   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =    | 70.600%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 164662   | 18.265   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =    | 73.040%  |
| 41) Toluene-d8                | 10.319 | 98    | 466300   | 16.999   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =    | 68.000%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 64346    | 17.609   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =    | 70.440%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 57735    | 49.415   | ug/L | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =    | 98.840%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 140352   | 22.346   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =    | 89.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152   | 139089   | 17.943   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =    | 71.760%# |

|                               |       |     |        |        |        |     |
|-------------------------------|-------|-----|--------|--------|--------|-----|
| Target Compounds              |       |     |        |        | Qvalue |     |
| 2) Dichlorodifluoromethane    | 2.009 | 85  | 68855  | 10.815 | ug/L   | 99  |
| 3) Chloromethane              | 2.223 | 50  | 81949  | 9.552  | ug/L   | 99  |
| 5) Vinyl chloride             | 2.375 | 62  | 99413  | 9.778  | ug/L   | 99  |
| 6) Bromomethane               | 2.783 | 94  | 66899  | 10.021 | ug/L   | 90  |
| 8) Chloroethane               | 2.936 | 64  | 61573  | 9.990  | ug/L   | 97  |
| 9) Trichlorofluoromethane     | 3.265 | 101 | 103467 | 11.151 | ug/L   | 96  |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076 | 101 | 106993 | 12.526 | ug/L # | 80  |
| 12) 1,1-Dichloroethene        | 4.039 | 96  | 104090 | 13.473 | ug/L   | 93  |
| 13) Acetone                   | 4.112 | 43  | 75070  | 38.101 | ug/L   | 94  |
| 14) Carbon disulfide          | 4.387 | 76  | 296582 | 11.678 | ug/L   | 99  |
| 15) Methyl Acetate            | 4.667 | 43  | 42533  | 14.717 | ug/L   | 100 |
| 16) Methylene chloride        | 4.917 | 84  | 115815 | 13.706 | ug/L   | 94  |
| 17) trans-1,2-Dichloroethene  | 5.429 | 96  | 113134 | 13.348 | ug/L   | 94  |
| 18) Methyl tert-butyl Ether   | 5.423 | 73  | 181840 | 15.896 | ug/L   | 98  |
| 19) 1,1-Dichloroethane        | 6.216 | 63  | 210728 | 13.324 | ug/L   | 97  |
| 20) cis-1,2-Dichloroethene    | 7.167 | 96  | 126816 | 14.104 | ug/L   | 97  |
| 22) 2-Butanone                | 7.167 | 43  | 77313  | 35.039 | ug/L   | 97  |
| 23) Bromochloromethane        | 7.514 | 128 | 59476  | 15.105 | ug/L   | 91  |
| 25) Chloroform                | 7.673 | 83  | 220293 | 13.238 | ug/L   | 95  |

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 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 E29X5MSD

Quant Time: Nov 16 00:41:22 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM110424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Nov 16 00:35:12 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 136403   | 13.161 | ug/L # | 95       |
| 29) Cyclohexane               | 7.953  | 56   | 155799   | 13.207 | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 172301   | 13.626 | ug/L   | 97       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 153071   | 13.472 | ug/L   | 100      |
| 33) Benzene                   | 8.319  | 78   | 465351   | 14.667 | ug/L   | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 114975   | 13.141 | ug/L   | 92       |
| 35) Methylcyclohexane         | 9.331  | 83   | 182507   | 13.161 | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 120264   | 15.167 | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.642  | 83   | 149146   | 14.323 | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 176283   | 14.861 | ug/L   | 94       |
| 40) 4-Methyl-2-pentanone      | 10.203 | 43   | 125874   | 34.711 | ug/L   | 96       |
| 42) Toluene                   | 10.386 | 91   | 470111   | 13.992 | ug/L   | 92       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 147047   | 14.922 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 92959    | 16.332 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 84141    | 12.580 | ug/L   | 92       |
| 48) 2-Hexanone                | 10.965 | 43   | 105358   | 38.188 | ug/L   | 94       |
| 49) Dibromochloromethane      | 11.123 | 129  | 95778    | 15.434 | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 87011    | 16.577 | ug/L   | 100      |
| 51) Chlorobenzene             | 11.654 | 112  | 284210   | 13.217 | ug/L   | 96       |
| 52) Ethylbenzene              | 11.727 | 91   | 453195   | 11.938 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.837 | 106  | 172869   | 12.107 | ug/L   | 99       |
| 54) o-Xylene                  | 12.160 | 106  | 172046   | 13.095 | ug/L   | 99       |
| 55) Styrene                   | 12.178 | 104  | 303390   | 13.516 | ug/L   | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 104442   | 16.815 | ug/L   | 97       |
| 59) Bromoform                 | 12.349 | 173  | 53373    | 17.564 | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.459 | 105  | 405593   | 12.494 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 72932    | 18.279 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 303615   | 11.879 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 299290   | 12.024 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 176105   | 12.355 | ug/L   | 92       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 189771   | 12.968 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 179447   | 14.126 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.483 | 75   | 15108    | 17.886 | ug/L # | 79       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 98450    | 10.408 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.123 | 180  | 82919    | 11.040 | ug/L   | 97       |
| 71) Naphthalene               | 15.360 | 128  | 200334   | 16.454 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 82805    | 12.793 | ug/L   | 98       |

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

