

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
 Data File : VW021061.D  
 Acq On : 03 Dec 2021 12:56  
 Operator : SY/VA  
 Sample : VSTD05028  
 Misc : 5.00g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD050428

Quant Time: Dec 03 18:36:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 03 18:32:24 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114  | 113352   | 25.000 | ug/L  | # 0.00   |
| 28) Chlorobenzene-d5          | 11.634 | 117  | 106726   | 25.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152  | 62435    | 25.000 | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65   | 81880    | 52.870 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 2.879  | 69   | 55270    | 52.384 | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63   | 124232   | 50.146 | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 7.074  | 46   | 32217    | 90.378 | ug/L  | 0.00     |
| 24) Chloroform-d              | 7.647  | 84   | 138815   | 49.589 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65   | 71951    | 47.989 | ug/L  | 0.00     |
| 32) Benzene-d6                | 8.275  | 84   | 257954   | 48.220 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67   | 71828    | 48.453 | ug/L  | 0.00     |
| 41) Toluene-d8                | 10.323 | 98   | 265555   | 48.760 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79   | 35115    | 51.527 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 10.920 | 63   | 26462    | 93.275 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84   | 68347    | 50.048 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152  | 104214   | 47.580 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.007  | 85   | 28224    | 49.720 | ug/L  | 99       |
| 3) Chloromethane              | 2.209  | 50   | 61750    | 50.625 | ug/L  | 95       |
| 5) Vinyl chloride             | 2.355  | 62   | 108651   | 51.420 | ug/L  | 96       |
| 6) Bromomethane               | 2.769  | 94   | 69598    | 48.354 | ug/L  | 97       |
| 8) Chloroethane               | 2.916  | 64   | 46613    | 51.684 | ug/L  | 98       |
| 9) Trichlorofluoromethane     | 3.257  | 101  | 49259    | 47.618 | ug/L  | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062  | 101  | 79055    | 49.972 | ug/L  | # 75     |
| 12) 1,1-Dichloroethene        | 4.044  | 96   | 74000    | 50.203 | ug/L  | 72       |
| 13) Acetone                   | 4.123  | 43   | 25120    | 76.688 | ug/L  | 90       |
| 14) Carbon disulfide          | 4.385  | 76   | 213373   | 53.430 | ug/L  | 99       |
| 15) Methyl Acetate            | 4.672  | 43   | 27369    | 47.404 | ug/L  | # 91     |
| 16) Methylene chloride        | 4.915  | 84   | 69540    | 40.080 | ug/L  | 83       |
| 17) trans-1,2-Dichloroethene  | 5.427  | 96   | 77137    | 49.745 | ug/L  | 83       |
| 18) Methyl tert-butyl Ether   | 5.427  | 73   | 110448   | 47.600 | ug/L  | 94       |
| 19) 1,1-Dichloroethane        | 6.214  | 63   | 121134   | 49.380 | ug/L  | 98       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96   | 80734    | 49.469 | ug/L  | 71       |
| 22) 2-Butanone                | 7.165  | 43   | 38098    | 83.748 | ug/L  | 88       |
| 23) Bromochloromethane        | 7.512  | 128  | 37987    | 49.884 | ug/L  | # 66     |
| 25) Chloroform                | 7.677  | 83   | 136815   | 50.104 | ug/L  | 99       |
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 88622    | 49.312 | ug/L  | 97       |
| 29) Cyclohexane               | 7.958  | 56   | 116482   | 49.760 | ug/L  | # 83     |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 123764   | 49.656 | ug/L  | 95       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 115997   | 50.684 | ug/L  | 98       |
| 33) Benzene                   | 8.323  | 78   | 290762   | 48.188 | ug/L  | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 82647    | 49.488 | ug/L  | 91       |
| 35) Methylcyclohexane         | 9.335  | 83   | 140508   | 49.927 | ug/L  | 85       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 66957    | 49.296 | ug/L  | # 96     |
| 38) Bromodichloromethane      | 9.646  | 83   | 99024    | 51.890 | ug/L  | # 98     |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 114248   | 52.080 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 86462    | 94.573 | ug/L  | # 92     |
| 42) Toluene                   | 10.390 | 91   | 339438   | 49.727 | ug/L  | 95       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 103560   | 52.568 | ug/L  | 99       |

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 03 18:32:24 2021  
 Response via : Initial Calibration

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|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 55449    | 48.207 | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.859 | 164  | 75632    | 49.085 | ug/L   | 98       |
| 48) 2-Hexanone                | 10.969 | 43   | 64240    | 97.501 | ug/L # | 95       |
| 49) Dibromochloromethane      | 11.128 | 129  | 72721    | 51.790 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 57099    | 49.492 | ug/L # | 99       |
| 51) Chlorobenzene             | 11.658 | 112  | 222918   | 48.503 | ug/L   | 91       |
| 52) Ethylbenzene              | 11.725 | 91   | 383921   | 49.649 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.835 | 106  | 160671   | 50.017 | ug/L   | 87       |
| 54) o-Xylene                  | 12.164 | 106  | 157902   | 52.869 | ug/L   | 88       |
| 55) Styrene                   | 12.182 | 104  | 280118   | 54.564 | ug/L   | 92       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 68813    | 50.535 | ug/L # | 96       |
| 59) Bromoform                 | 12.347 | 173  | 46196    | 52.588 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 438411   | 51.136 | ug/L   | 97       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 48776    | 47.421 | ug/L # | 92       |
| 62) 1,3,5-Trimethylbenzene    | 12.944 | 105  | 371789   | 51.734 | ug/L   | 96       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 374064   | 51.654 | ug/L   | 96       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 203529   | 50.316 | ug/L   | 93       |
| 65) 1,4-Dichlorobenzene       | 13.578 | 146  | 204408   | 50.639 | ug/L   | 89       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 176610   | 49.151 | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 11455    | 50.871 | ug/L # | 82       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 142867   | 48.415 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 115351   | 47.871 | ug/L   | 97       |
| 71) Naphthalene               | 15.365 | 128  | 219352   | 48.452 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 95263    | 44.787 | ug/L   | 96       |
| -----                         |        |      |          |        |        |          |

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

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