

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042221\  
 Data File : VW018746.D  
 Acq On : 22 Apr 2021 19:30  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025118

Quant Time: Apr 23 02:05:00 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM041421SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Apr 23 01:53:36 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response           | Conc  | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-------|--------|----------|
| -----                         |                |      |                    |       |        |          |
| Internal Standards            |                |      |                    |       |        |          |
| 1) 1,4-Difluorobenzene        | 8.841          | 114  | 573228             | 25.00 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634         | 117  | 509877             | 25.00 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560         | 152  | 256181             | 25.00 | ug/L   | 0.00     |
|                               |                |      |                    |       |        |          |
| System Monitoring Compounds   |                |      |                    |       |        |          |
| 4) Vinyl Chloride-d3          | 2.355          | 65   | 151319             | 17.37 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 69.48%  |       |        |          |
| 7) Chloroethane-d5            | 2.891          | 69   | 133412             | 17.28 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 69.12%  |       |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.025          | 63   | 334137             | 22.09 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = 88.36%  |       |        |          |
| 21) 2-Butanone-d5             | 7.080          | 46   | 92925              | 46.86 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 93.72%  |       |        |          |
| 24) Chloroform-d              | 7.647          | 84   | 393511             | 25.01 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = 100.04% |       |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 203568             | 23.02 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = 92.08%  |       |        |          |
| 32) Benzene-d6                | 8.275          | 84   | 729905             | 24.40 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = 97.60%  |       |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.274          | 67   | 223815             | 24.83 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = 99.32%  |       |        |          |
| 41) Toluene-d8                | 10.323         | 98   | 688032             | 25.15 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = 100.60% |       |        |          |
| 43) trans-1,3-Dichloroprop... | 10.579         | 79   | 96952              | 25.26 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = 101.04% |       |        |          |
| 47) 2-Hexanone-d5             | 10.927         | 63   | 80029              | 51.06 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 102.12% |       |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.694         | 84   | 185409             | 24.63 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = 98.52%  |       |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 232989             | 25.89 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = 103.56% |       |        |          |
|                               |                |      |                    |       |        |          |
| Target Compounds              |                |      |                    |       | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.007          | 85   | 146386             | 26.83 | ug/L   | 97       |
| 3) Chloromethane              | 2.215          | 50   | 121841             | 16.35 | ug/L   | 99       |
| 5) Vinyl chloride             | 2.367          | 62   | 223994             | 20.85 | ug/L   | 98       |
| 6) Bromomethane               | 2.782          | 94   | 156504             | 18.28 | ug/L   | 97       |
| 8) Chloroethane               | 2.928          | 64   | 140752             | 20.53 | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 3.263          | 101  | 150977             | 25.09 | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.068          | 101  | 205993             | 26.97 | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 4.044          | 96   | 197231             | 26.17 | ug/L   | 96       |
| 13) Acetone                   | 4.117          | 43   | 61334              | 42.61 | ug/L   | 90       |
| 14) Carbon disulfide          | 4.385          | 76   | 526040             | 23.45 | ug/L   | 98       |
| 15) Methyl Acetate            | 4.672          | 43   | 73489              | 22.39 | ug/L   | 94       |
| 16) Methylene chloride        | 4.921          | 84   | 211812             | 22.55 | ug/L   | 91       |
| 17) trans-1,2-Dichloroethene  | 5.427          | 96   | 216086             | 26.66 | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 5.421          | 73   | 282504             | 26.05 | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 6.220          | 63   | 392617             | 26.34 | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.171          | 96   | 235271             | 27.29 | ug/L   | 99       |
| 22) 2-Butanone                | 7.165          | 43   | 97326              | 44.50 | ug/L   | 94       |
| 23) Bromochloromethane        | 7.512          | 128  | 98367              | 26.35 | ug/L   | 94       |
| 25) Chloroform                | 7.677          | 83   | 407252             | 26.92 | ug/L   | 98       |

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 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VSTD025118

Quant Time: Apr 23 02:05:00 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM041421SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Apr 23 01:53:36 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 258793   | 25.14 | ug/L  | 99       |
| 29) Cyclohexane               | 7.958  | 56   | 332359   | 26.47 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 321456   | 28.81 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 294430   | 29.27 | ug/L  | 99       |
| 33) Benzene                   | 8.323  | 78   | 883594   | 27.60 | ug/L  | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 231985   | 28.14 | ug/L  | 93       |
| 35) Methylcyclohexane         | 9.335  | 83   | 388114   | 27.08 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 214000   | 26.40 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.646  | 83   | 288384   | 27.95 | ug/L  | 95       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 335473   | 27.88 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 231632   | 46.51 | ug/L  | 93       |
| 42) Toluene                   | 10.390 | 91   | 977061   | 28.43 | ug/L  | 96       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 288405   | 27.45 | ug/L  | 96       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 160626   | 26.71 | ug/L  | 96       |
| 46) Tetrachloroethene         | 10.859 | 164  | 173258   | 29.74 | ug/L  | 97       |
| 48) 2-Hexanone                | 10.969 | 43   | 155631   | 49.44 | ug/L  | 92       |
| 49) Dibromochloromethane      | 11.128 | 129  | 183878   | 28.69 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 11.237 | 107  | 153950   | 26.91 | ug/L  | 100      |
| 51) Chlorobenzene             | 11.658 | 112  | 588105   | 27.79 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.731 | 91   | 1077389  | 28.38 | ug/L  | 98       |
| 53) m,p-Xylene                | 11.841 | 106  | 410745   | 29.49 | ug/L  | 99       |
| 54) o-Xylene                  | 12.164 | 106  | 388414   | 29.05 | ug/L  | 98       |
| 55) Styrene                   | 12.182 | 104  | 670728   | 29.00 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 188885   | 25.22 | ug/L  | 100      |
| 59) Bromoform                 | 12.347 | 173  | 93350    | 25.56 | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.463 | 105  | 1075167  | 28.53 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 138113   | 23.60 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.944 | 105  | 905484   | 29.01 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 919558   | 29.52 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 456376   | 28.58 | ug/L  | 92       |
| 65) 1,4-Dichlorobenzene       | 13.578 | 146  | 462456   | 28.63 | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 411697   | 28.03 | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 29351    | 24.13 | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 333958   | 29.30 | ug/L  | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.133 | 180  | 271077   | 29.21 | ug/L  | 96       |
| 71) Naphthalene               | 15.365 | 128  | 527760   | 27.00 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 242369   | 29.59 | ug/L  | 97       |

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

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