

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW051721\  
 Data File : VW019009.D  
 Acq On : 17 May 2021 12:23  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025118

Quant Time: May 18 01:13:07 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM051421SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue May 18 01:12:04 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response           | Conc  | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-------|--------|----------|
| -----                         |                |      |                    |       |        |          |
| Internal Standards            |                |      |                    |       |        |          |
| 1) 1,4-Difluorobenzene        | 8.841          | 114  | 627719             | 25.00 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.633         | 117  | 558147             | 25.00 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560         | 152  | 293212             | 25.00 | ug/L   | 0.00     |
|                               |                |      |                    |       |        |          |
| System Monitoring Compounds   |                |      |                    |       |        |          |
| 4) Vinyl Chloride-d3          | 2.361          | 65   | 163012             | 25.52 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 102.08% |       |        |          |
| 7) Chloroethane-d5            | 2.891          | 69   | 137452             | 22.32 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 89.28%  |       |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.025          | 63   | 350607             | 24.04 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = 96.16%  |       |        |          |
| 21) 2-Butanone-d5             | 7.079          | 46   | 86128              | 51.20 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 102.40% |       |        |          |
| 24) Chloroform-d              | 7.646          | 84   | 374171             | 23.29 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = 93.16%  |       |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 194365             | 23.28 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = 93.12%  |       |        |          |
| 32) Benzene-d6                | 8.274          | 84   | 718498             | 23.06 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = 92.24%  |       |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.274          | 67   | 217596             | 23.82 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = 95.28%  |       |        |          |
| 41) Toluene-d8                | 10.323         | 98   | 689954             | 23.63 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = 94.52%  |       |        |          |
| 43) trans-1,3-Dichloroprop... | 10.579         | 79   | 96878              | 24.68 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = 98.72%  |       |        |          |
| 47) 2-Hexanone-d5             | 10.920         | 63   | 74468              | 55.15 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 110.30% |       |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.694         | 84   | 175255             | 25.05 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = 100.20% |       |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 223547             | 22.07 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = 88.28%  |       |        |          |
|                               |                |      |                    |       |        |          |
| Target Compounds              |                |      |                    |       | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.013          | 85   | 163927             | 25.56 | ug/L   | 98       |
| 3) Chloromethane              | 2.214          | 50   | 146010             | 22.74 | ug/L   | 98       |
| 5) Vinyl chloride             | 2.367          | 62   | 235751             | 28.65 | ug/L   | 99       |
| 6) Bromomethane               | 2.788          | 94   | 164492             | 24.10 | ug/L   | 98       |
| 8) Chloroethane               | 2.928          | 64   | 145754             | 25.29 | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 3.263          | 101  | 144552             | 24.01 | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.074          | 101  | 205635             | 24.80 | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 4.049          | 96   | 207154             | 25.61 | ug/L   | 92       |
| 13) Acetone                   | 4.129          | 43   | 84208              | 59.07 | ug/L   | 92       |
| 14) Carbon disulfide          | 4.391          | 76   | 616758             | 27.24 | ug/L   | 99       |
| 15) Methyl Acetate            | 4.671          | 43   | 77257              | 26.19 | ug/L   | 98       |
| 16) Methylene chloride        | 4.915          | 84   | 214817             | 20.39 | ug/L   | 93       |
| 17) trans-1,2-Dichloroethene  | 5.421          | 96   | 217682             | 24.51 | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 5.427          | 73   | 262104             | 24.59 | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 6.220          | 63   | 387103             | 25.07 | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 7.171          | 96   | 226623             | 24.38 | ug/L   | 99       |
| 22) 2-Butanone                | 7.171          | 43   | 106255             | 54.09 | ug/L   | 99       |
| 23) Bromochloromethane        | 7.512          | 128  | 96184              | 24.03 | ug/L   | 95       |
| 25) Chloroform                | 7.677          | 83   | 391959             | 24.72 | ug/L   | 98       |

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 ClientSampleId :  
 VSTD025118

Quant Time: May 18 01:13:07 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM051421SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue May 18 01:12:04 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.396  | 62   | 247015   | 24.87 | ug/L  | 98       |
| 29) Cyclohexane               | 7.957  | 56   | 354419   | 26.59 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 306694   | 25.22 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 8.073  | 117  | 289928   | 26.19 | ug/L  | 99       |
| 33) Benzene                   | 8.323  | 78   | 870411   | 25.49 | ug/L  | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 227569   | 25.11 | ug/L  | 94       |
| 35) Methylcyclohexane         | 9.335  | 83   | 406780   | 25.83 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 206236   | 25.07 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.646  | 83   | 271728   | 25.36 | ug/L  | 95       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 324670   | 26.30 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 224710   | 52.68 | ug/L  | 95       |
| 42) Toluene                   | 10.390 | 91   | 952114   | 25.34 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 283629   | 26.38 | ug/L  | 96       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 151325   | 25.14 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.865 | 164  | 179467   | 24.90 | ug/L  | 99       |
| 48) 2-Hexanone                | 10.969 | 43   | 166005   | 59.83 | ug/L  | 95       |
| 49) Dibromochloromethane      | 11.127 | 129  | 175332   | 25.88 | ug/L  | 94       |
| 50) 1,2-Dibromoethane         | 11.237 | 107  | 144858   | 25.77 | ug/L  | 95       |
| 51) Chlorobenzene             | 11.658 | 112  | 578617   | 24.90 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.731 | 91   | 1055895  | 25.31 | ug/L  | 98       |
| 53) m,p-Xylene                | 11.841 | 106  | 391561   | 25.00 | ug/L  | 92       |
| 54) o-Xylene                  | 12.164 | 106  | 372177   | 25.29 | ug/L  | 99       |
| 55) Styrene                   | 12.182 | 104  | 638876   | 25.52 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 181389   | 26.18 | ug/L  | 97       |
| 59) Bromoform                 | 12.347 | 173  | 91494    | 24.10 | ug/L  | 95       |
| 60) Isopropylbenzene          | 12.463 | 105  | 1036676  | 24.27 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.767 | 75   | 133148   | 25.13 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.944 | 105  | 873359   | 25.28 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 860274   | 24.66 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 440297   | 23.76 | ug/L  | 87       |
| 65) 1,4-Dichlorobenzene       | 13.578 | 146  | 451419   | 24.41 | ug/L  | 92       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 389425   | 23.85 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 28890    | 25.51 | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 322521   | 23.82 | ug/L  | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.133 | 180  | 267062   | 24.75 | ug/L  | 98       |
| 71) Naphthalene               | 15.365 | 128  | 509673   | 26.09 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 225395   | 23.74 | ug/L  | 98       |

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

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