

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042321\  
 Data File : VW018748.D  
 Acq On : 23 Apr 2021 10:44  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025119

Quant Time: Apr 24 00:12:43 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        | 8.842          | 114  | 588765             | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.634         | 117  | 532110             | 25.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560         | 152  | 267833             | 25.00 | ug/L  | 0.00     |
|                               |                |      |                    |       |       |          |
| System Monitoring Compounds   |                |      |                    |       |       |          |
| 4) Vinyl Chloride-d3          | 2.355          | 65   | 157011             | 17.55 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 70.20%  |       |       |          |
| 7) Chloroethane-d5            | 2.892          | 69   | 137477             | 17.34 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 69.36%  |       |       |          |
| 11) 1,1-Dichloroethene-d2     | 4.019          | 63   | 348901             | 22.45 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = 89.80%  |       |       |          |
| 21) 2-Butanone-d5             | 7.074          | 46   | 95492              | 46.89 | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 93.78%  |       |       |          |
| 24) Chloroform-d              | 7.647          | 84   | 394498             | 24.41 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = 97.64%  |       |       |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 214585             | 23.62 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = 94.48%  |       |       |          |
| 32) Benzene-d6                | 8.275          | 84   | 738630             | 23.66 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = 94.64%  |       |       |          |
| 36) 1,2-Dichloropropane-d6    | 9.275          | 67   | 225989             | 24.02 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = 96.08%  |       |       |          |
| 41) Toluene-d8                | 10.323         | 98   | 684410             | 23.97 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = 95.88%  |       |       |          |
| 43) trans-1,3-Dichloroprop... | 10.579         | 79   | 101376             | 25.31 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = 101.24% |       |       |          |
| 47) 2-Hexanone-d5             | 10.927         | 63   | 81336              | 49.72 | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 99.44%  |       |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695         | 84   | 193101             | 24.58 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = 98.32%  |       |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 235215             | 25.00 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = 100.00% |       |       |          |
|                               |                |      |                    |       |       |          |
| Target Compounds              |                |      |                    |       |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.014          | 85   | 129785             | 23.16 | ug/L  | 96       |
| 3) Chloromethane              | 2.215          | 50   | 126937             | 16.58 | ug/L  | 99       |
| 5) Vinyl chloride             | 2.367          | 62   | 223129             | 20.22 | ug/L  | 98       |
| 6) Bromomethane               | 2.782          | 94   | 153226             | 17.43 | ug/L  | 96       |
| 8) Chloroethane               | 2.928          | 64   | 137207             | 19.49 | ug/L  | 96       |
| 9) Trichlorofluoromethane     | 3.263          | 101  | 162406             | 26.28 | ug/L  | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.068          | 101  | 203802             | 25.98 | ug/L  | 98       |
| 12) 1,1-Dichloroethene        | 4.038          | 96   | 196784             | 25.42 | ug/L  | 99       |
| 13) Acetone                   | 4.129          | 43   | 74671              | 50.51 | ug/L  | 91       |
| 14) Carbon disulfide          | 4.385          | 76   | 540483             | 23.46 | ug/L  | 99       |
| 15) Methyl Acetate            | 4.672          | 43   | 77376              | 22.95 | ug/L  | 95       |
| 16) Methylene chloride        | 4.916          | 84   | 209528             | 21.71 | ug/L  | 93       |
| 17) trans-1,2-Dichloroethene  | 5.422          | 96   | 211130             | 25.36 | ug/L  | 96       |
| 18) Methyl tert-butyl Ether   | 5.422          | 73   | 290744             | 26.11 | ug/L  | 97       |
| 19) 1,1-Dichloroethane        | 6.214          | 63   | 378040             | 24.69 | ug/L  | 97       |
| 20) cis-1,2-Dichloroethene    | 7.165          | 96   | 226547             | 25.58 | ug/L  | 97       |
| 22) 2-Butanone                | 7.171          | 43   | 103117             | 45.90 | ug/L  | 94       |
| 23) Bromochloromethane        | 7.513          | 128  | 96933              | 25.28 | ug/L  | 93       |
| 25) Chloroform                | 7.671          | 83   | 398090             | 25.62 | ug/L  | 99       |

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 VSTD025119

Quant Time: Apr 24 00:12:43 2021  
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 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        | 8.397  | 62   | 256244   | 24.23 | ug/L  | 100      |
| 29) Cyclohexane               | 7.958  | 56   | 327039   | 24.96 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 325342   | 27.94 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 296562   | 28.25 | ug/L  | 98       |
| 33) Benzene                   | 8.324  | 78   | 847839   | 25.37 | ug/L  | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 225679   | 26.23 | ug/L  | 95       |
| 35) Methylcyclohexane         | 9.336  | 83   | 388225   | 25.96 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 207906   | 24.57 | ug/L  | 98       |
| 38) Bromodichloromethane      | 9.646  | 83   | 279982   | 26.01 | ug/L  | 95       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 331312   | 26.38 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 226428   | 43.57 | ug/L  | 94       |
| 42) Toluene                   | 10.390 | 91   | 941533   | 26.25 | ug/L  | 96       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 291584   | 26.60 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 159981   | 25.49 | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.860 | 164  | 167438   | 27.54 | ug/L  | 94       |
| 48) 2-Hexanone                | 10.969 | 43   | 160203   | 48.77 | ug/L  | 93       |
| 49) Dibromochloromethane      | 11.128 | 129  | 181240   | 27.10 | ug/L  | 95       |
| 50) 1,2-Dibromoethane         | 11.238 | 107  | 152705   | 25.57 | ug/L  | 94       |
| 51) Chlorobenzene             | 11.658 | 112  | 571751   | 25.89 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.731 | 91   | 1057897  | 26.70 | ug/L  | 97       |
| 53) m,p-Xylene                | 11.841 | 106  | 391315   | 26.92 | ug/L  | 96       |
| 54) o-Xylene                  | 12.164 | 106  | 373042   | 26.73 | ug/L  | 93       |
| 55) Styrene                   | 12.183 | 104  | 640374   | 26.53 | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 188038   | 24.06 | ug/L  | 98       |
| 59) Bromoform                 | 12.347 | 173  | 93926    | 24.60 | ug/L  | 97       |
| 60) Isopropylbenzene          | 12.463 | 105  | 1029291  | 26.13 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 140217   | 22.91 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 862726   | 26.44 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 869119   | 26.69 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 433508   | 25.97 | ug/L  | 87       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 430538   | 25.50 | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 387173   | 25.21 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 29506    | 23.20 | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 317691   | 26.66 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 262196   | 27.03 | ug/L  | 100      |
| 71) Naphthalene               | 15.365 | 128  | 507318   | 24.82 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 226058   | 26.40 | ug/L  | 97       |

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

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