

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062822\  
 Data File : VW023527.D  
 Acq On : 28 Jun 2022 12:38  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025582

Quant Time: Jun 29 02:08:06 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM062822SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jun 29 01:55:10 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Semsettin  
 Yesilyurt

06/29/2022  
 Supervised By : Mahesh  
 Dadoda

06/30/2022

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) 1,4-Difluorobenzene     | 8.841  | 114  | 375962   | 25.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.634 | 117  | 357068   | 25.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 13.560 | 152  | 183976   | 25.000 | ug/L  | 0.00     |

### System Monitoring Compounds

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3          | 2.355  | 65    | 100001   | 20.662   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =    | 82.640%  |
| 7) Chloroethane-d5            | 2.885  | 69    | 88714    | 24.259   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =    | 97.040%  |
| 11) 1,1-Dichloroethene-d2     | 4.025  | 63    | 170873   | 22.506   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =    | 90.040%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 53051    | 46.056   | ug/L | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =    | 92.120%  |
| 24) Chloroform-d              | 7.653  | 84    | 227269   | 23.543   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =    | 94.160%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 116406   | 22.906   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =    | 91.640%  |
| 32) Benzene-d6                | 8.274  | 84    | 409889   | 23.219   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =    | 92.880%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 127398   | 24.205   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =    | 96.840%  |
| 41) Toluene-d8                | 10.323 | 98    | 424468   | 24.599   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =    | 98.400%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 57391    | 24.089   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =    | 96.360%  |
| 47) 2-Hexanone-d5             | 10.920 | 63    | 44513    | 52.234   | ug/L | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =    | 104.460% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 119056   | 24.559   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =    | 98.240%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 163110   | 25.520   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =    | 102.080% |

### Target Compounds

|                               |       |     |        |        | Qvalue |
|-------------------------------|-------|-----|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.007 | 85  | 60232m | 32.727 | ug/L   |
| 3) Chloromethane              | 2.215 | 50  | 129952 | 28.321 | ug/L   |
| 5) Vinyl chloride             | 2.361 | 62  | 184955 | 26.629 | ug/L   |
| 6) Bromomethane               | 2.775 | 94  | 114739 | 29.056 | ug/L   |
| 8) Chloroethane               | 2.922 | 64  | 103592 | 28.455 | ug/L   |
| 9) Trichlorofluoromethane     | 3.263 | 101 | 87712  | 24.106 | ug/L   |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.068 | 101 | 122567 | 24.617 | ug/L   |
| 12) 1,1-Dichloroethene        | 4.043 | 96  | 107630 | 24.992 | ug/L   |
| 13) Acetone                   | 4.129 | 43  | 35408  | 43.891 | ug/L   |
| 14) Carbon disulfide          | 4.385 | 76  | 351799 | 26.039 | ug/L   |
| 15) Methyl Acetate            | 4.678 | 43  | 45106  | 23.903 | ug/L   |
| 16) Methylene chloride        | 4.921 | 84  | 124120 | 22.091 | ug/L   |
| 17) trans-1,2-Dichloroethene  | 5.427 | 96  | 127760 | 25.230 | ug/L   |
| 18) Methyl tert-butyl Ether   | 5.427 | 73  | 187546 | 25.909 | ug/L   |
| 19) 1,1-Dichloroethane        | 6.214 | 63  | 214624 | 25.145 | ug/L   |
| 20) cis-1,2-Dichloroethene    | 7.177 | 96  | 134502 | 25.219 | ug/L   |
| 22) 2-Butanone                | 7.171 | 43  | 59875  | 43.487 | ug/L   |
| 23) Bromochloromethane        | 7.519 | 128 | 63042  | 24.985 | ug/L   |
| 25) Chloroform                | 7.677 | 83  | 237854 | 24.739 | ug/L   |

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 Quant Title : SFAM01.0  
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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.402  | 62   | 152987   | 24.747 | ug/L   | 98       |
| 29) Cyclohexane               | 7.957  | 56   | 187992   | 25.866 | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 207219   | 24.596 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 188941   | 24.421 | ug/L   | 96       |
| 33) Benzene                   | 8.323  | 78   | 509454   | 24.861 | ug/L   | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 135062   | 23.924 | ug/L   | 97       |
| 35) Methylcyclohexane         | 9.335  | 83   | 230779   | 25.698 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 120183   | 24.664 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.646  | 83   | 170102   | 24.372 | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 192386   | 25.750 | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 136289   | 49.771 | ug/L   | 98       |
| 42) Toluene                   | 10.384 | 91   | 573859   | 25.454 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 172961   | 26.222 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 97526    | 24.561 | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.865 | 164  | 107498   | 24.123 | ug/L   | 97       |
| 48) 2-Hexanone                | 10.969 | 43   | 93332    | 50.254 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.128 | 129  | 121646   | 25.129 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 11.237 | 107  | 96925    | 25.095 | ug/L   | 96       |
| 51) Chlorobenzene             | 11.658 | 112  | 381269   | 24.910 | ug/L   | 99       |
| 52) Ethylbenzene              | 11.731 | 91   | 639573   | 25.468 | ug/L   | 100      |
| 53) m,p-Xylene                | 11.841 | 106  | 258714   | 26.065 | ug/L   | 98       |
| 54) o-Xylene                  | 12.164 | 106  | 243568   | 26.395 | ug/L   | 93       |
| 55) Styrene                   | 12.182 | 104  | 421856   | 26.402 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 118109   | 24.654 | ug/L   | 96       |
| 59) Bromoform                 | 12.347 | 173  | 65698    | 25.632 | ug/L   | 97       |
| 60) Isopropylbenzene          | 12.463 | 105  | 662169   | 26.303 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 82162    | 24.068 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 560655   | 27.170 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 553791   | 27.202 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 294181   | 25.383 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.578 | 146  | 302236   | 25.401 | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 271449   | 25.977 | ug/L   | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 17952    | 22.904 | ug/L # | 83       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 206392   | 27.187 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 158934   | 27.130 | ug/L   | 96       |
| 71) Naphthalene               | 15.365 | 128  | 315993   | 28.432 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 142990   | 28.235 | ug/L   | 96       |

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

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