

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100423\  
 Data File : VW027218.D  
 Acq On : 04 Oct 2023 14:05  
 Operator : SY/MD  
 Sample : 04696-04 1 PPB MDL  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 MDL-SOIL-QT4-2023-08DL

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023  
 Supervised By :Mahesh Dadoda 10/05/2023

Quant Time: Oct 04 22:51:49 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092723SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Oct 04 22:49:04 2023  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843          | 114  | 549799     | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629         | 117  | 531248     | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556         | 152  | 267123     | 25.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369          | 65   | 175762     | 20.347   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 81.400%  |        |          |
| 7) Chloroethane-d5            | 2.893          | 69   | 147978     | 21.675   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 86.680%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.021          | 65   | 78628      | 21.908   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 87.640%  |        |          |
| 21) 2-Butanone-d5             | 7.075          | 46   | 94823      | 53.099   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 106.200% |        |          |
| 24) Chloroform-d              | 7.648          | 84   | 364132     | 22.630   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 90.520%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.307          | 65   | 189965     | 24.634   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 98.520%  |        |          |
| 32) Benzene-d6                | 8.276          | 84   | 741303     | 22.769   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 91.080%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.270          | 67   | 226127     | 23.199   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 92.800%  |        |          |
| 41) Toluene-d8                | 10.325         | 98   | 643969     | 22.414   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 89.640%  |        |          |
| 43) trans-1,3-Dichloroprop... | 10.581         | 79   | 90588      | 23.682   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 94.720%  |        |          |
| 47) 2-Hexanone-d5             | 10.922         | 63   | 78321      | 52.526   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 105.060% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690         | 84   | 189826     | 25.447   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 101.800% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.848         | 152  | 221574     | 24.739   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 98.960%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.021          | 85   | 5769m      | 0.808    | ug/L   |          |
| 6) Bromomethane               | 2.783          | 94   | 5339       | 0.770    | ug/L   | 92       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082          | 101  | 8970m      | 1.008    | ug/L   |          |
| 12) 1,1-Dichloroethene        | 4.039          | 96   | 7836       | 0.921    | ug/L # | 1        |
| 13) Acetone                   | 4.131          | 43   | 6403       | 2.902    | ug/L   | 59       |
| 14) Carbon disulfide          | 4.387          | 76   | 18608      | 0.652    | ug/L   | 96       |
| 15) Methyl Acetate            | 4.679          | 43   | 3521m      | 0.952    | ug/L   |          |
| 16) Methylene chloride        | 4.917          | 84   | 60765      | 5.646    | ug/L   | 92       |
| 17) trans-1,2-Dichloroethene  | 5.423          | 96   | 6390m      | 0.698    | ug/L   |          |
| 18) Methyl tert-butyl Ether   | 5.423          | 73   | 8774m      | 0.766    | ug/L   |          |
| 19) 1,1-Dichloroethane        | 6.222          | 63   | 11693m     | 0.685    | ug/L   |          |
| 20) cis-1,2-Dichloroethene    | 7.185          | 96   | 6947m      | 0.712    | ug/L   |          |
| 22) 2-Butanone                | 7.142          | 43   | 9173m      | 3.361    | ug/L   |          |
| 23) Bromochloromethane        | 7.514          | 128  | 3409       | 0.766    | ug/L   | 85       |
| 25) Chloroform                | 7.679          | 83   | 11817      | 0.710    | ug/L   | 96       |
| 27) 1,2-Dichloroethane        | 8.404          | 62   | 7786       | 0.764    | ug/L # | 87       |
| 29) Cyclohexane               | 7.959          | 56   | 8709       | 0.616    | ug/L # | 94       |
| 30) 1,1,1-Trichloroethane     | 7.880          | 97   | 10111      | 0.766    | ug/L   | 97       |
| 31) Carbon tetrachloride      | 8.063          | 117  | 9597       | 0.769    | ug/L   | 96       |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
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Quant Time: Oct 04 22:51:49 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092723SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Oct 04 22:49:04 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023  
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| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 33) Benzene                   | 8.325  | 78   | 27639    | 0.736 | ug/L   | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 6981     | 0.712 | ug/L   | 89       |
| 35) Methylcyclohexane         | 9.331  | 83   | 10746    | 0.652 | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 7000     | 0.724 | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.648  | 83   | 9103     | 0.783 | ug/L # | 89       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 10000    | 0.701 | ug/L   | 89       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 7095     | 1.512 | ug/L   | 96       |
| 42) Toluene                   | 10.386 | 91   | 28537    | 0.740 | ug/L   | 94       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 8736m    | 0.748 | ug/L   |          |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 5656     | 0.808 | ug/L   | 91       |
| 48) 2-Hexanone                | 10.965 | 43   | 5560     | 1.511 | ug/L # | 95       |
| 49) Dibromochloromethane      | 11.129 | 129  | 6322     | 0.833 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 11.239 | 107  | 5007     | 0.771 | ug/L # | 85       |
| 51) Chlorobenzene             | 11.654 | 112  | 19245    | 0.752 | ug/L   | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 29134    | 0.673 | ug/L   | 97       |
| 53) m,p-Xylene                | 11.837 | 106  | 10081    | 0.607 | ug/L   | 96       |
| 54) o-Xylene                  | 12.160 | 106  | 9097     | 0.586 | ug/L   | 89       |
| 55) Styrene                   | 12.178 | 104  | 15546    | 0.582 | ug/L   | 87       |
| 57) 1,1,2,2-Tetrachloroethane | 12.715 | 83   | 6885     | 0.820 | ug/L # | 85       |
| 59) Bromoform                 | 12.349 | 173  | 3180     | 0.754 | ug/L   | 90       |
| 60) Isopropylbenzene          | 12.465 | 105  | 23515    | 0.598 | ug/L # | 95       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 4513     | 0.825 | ug/L # | 88       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 19498    | 0.632 | ug/L   | 94       |
| 63) 1,2,4-Trimethylbenzene    | 13.251 | 105  | 17600    | 0.582 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 13844    | 0.763 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 15555    | 0.853 | ug/L   | 91       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 13732    | 0.863 | ug/L   | 88       |
| 68) 1,2-Dibromo-3-chloropr... | 14.483 | 75   | 1082     | 0.924 | ug/L # | 81       |
| 69) 1,3,5-Trichlorobenzene    | 14.629 | 180  | 9968     | 0.853 | ug/L   | 93       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 7370     | 0.799 | ug/L   | 97       |
| 71) Naphthalene               | 15.360 | 128  | 12192    | 0.749 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 6243     | 0.763 | ug/L   | 91       |

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

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