

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100423\  
 Data File : VW027225.D  
 Acq On : 04 Oct 2023 18:15  
 Operator : SY/MD  
 Sample : 04696-04  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

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

Quant Time: Oct 04 22:53:28 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  | 605142     | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629         | 117  | 616477     | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556         | 152  | 320287     | 25.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 2.375          | 65   | 174434     | 18.346   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 73.400%  |        |          |
| 7) Chloroethane-d5            | 2.899          | 69   | 145184     | 19.321   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 77.280%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.027          | 65   | 56376      | 14.272   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 57.080%  |        |          |
| 21) 2-Butanone-d5             | 7.082          | 46   | 73044      | 37.163   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 74.320%  |        |          |
| 24) Chloroform-d              | 7.655          | 84   | 275399     | 15.550   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 62.200%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.307          | 65   | 143979     | 16.963   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 67.840%# |        |          |
| 32) Benzene-d6                | 8.276          | 84   | 555585     | 14.705   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 58.840%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.276          | 67   | 171052     | 15.122   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 60.480%# |        |          |
| 41) Toluene-d8                | 10.325         | 98   | 488835     | 14.662   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 58.640%  |        |          |
| 43) trans-1,3-Dichloroprop... | 10.575         | 79   | 68391      | 15.407   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 61.640%  |        |          |
| 47) 2-Hexanone-d5             | 10.922         | 63   | 59083      | 34.146   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 68.300%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690         | 84   | 151656     | 17.519   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 70.080%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.849         | 152  | 178350     | 16.608   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 66.440%# |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.021          | 85   | 8079m      | 1.027    | ug/L   |          |
| 3) Chloromethane              | 2.229          | 50   | 13126      | 1.237    | ug/L   | 98       |
| 5) Vinyl chloride             | 2.375          | 62   | 16793      | 1.449    | ug/L   | 84       |
| 6) Bromomethane               | 2.784          | 94   | 11206      | 1.468    | ug/L   | 75       |
| 8) Chloroethane               | 2.930          | 64   | 10534m     | 1.498    | ug/L   |          |
| 9) Trichlorofluoromethane     | 3.259          | 101  | 10752m     | 1.104    | ug/L   |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076          | 101  | 11496m     | 1.173    | ug/L   |          |
| 12) 1,1-Dichloroethene        | 4.045          | 96   | 11108m     | 1.187    | ug/L   |          |
| 13) Acetone                   | 4.137          | 43   | 7796m      | 3.210    | ug/L   |          |
| 14) Carbon disulfide          | 4.393          | 76   | 29931      | 0.953    | ug/L   | 96       |
| 15) Methyl Acetate            | 4.680          | 43   | 6241m      | 1.533    | ug/L   |          |
| 16) Methylene chloride        | 4.923          | 84   | 58030      | 4.899    | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 5.429          | 96   | 10708      | 1.063    | ug/L   | 84       |
| 18) Methyl tert-butyl Ether   | 5.429          | 73   | 13055      | 1.036    | ug/L # | 71       |
| 19) 1,1-Dichloroethane        | 6.216          | 63   | 20091      | 1.070    | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.167          | 96   | 11328      | 1.055    | ug/L   | 91       |
| 22) 2-Butanone                | 7.185          | 43   | 9107m      | 3.032    | ug/L   |          |
| 23) Bromochloromethane        | 7.527          | 128  | 5433m      | 1.109    | ug/L   |          |
| 25) Chloroform                | 7.673          | 83   | 21465      | 1.172    | ug/L   | 98       |

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Quant Time: Oct 04 22:53:28 2023  
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 Quant Title : SFAM01.0  
 QLast Update : Wed Oct 04 22:49:04 2023  
 Response via : Initial Calibration

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| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.404  | 62   | 13165    | 1.173 | ug/L   | 96       |
| 29) Cyclohexane               | 7.959  | 56   | 13410    | 0.818 | ug/L   | 94       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 15772    | 1.029 | ug/L   | 94       |
| 31) Carbon tetrachloride      | 8.075  | 117  | 15375    | 1.062 | ug/L   | 99       |
| 33) Benzene                   | 8.325  | 78   | 44280    | 1.016 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 11924    | 1.048 | ug/L   | 90       |
| 35) Methylcyclohexane         | 9.331  | 83   | 16859    | 0.881 | ug/L   | 94       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 11813    | 1.052 | ug/L # | 90       |
| 38) Bromodichloromethane      | 9.648  | 83   | 14222    | 1.055 | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 16881    | 1.020 | ug/L   | 92       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 12270    | 2.253 | ug/L # | 88       |
| 42) Toluene                   | 10.386 | 91   | 46511    | 1.039 | ug/L   | 93       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 16593    | 1.224 | ug/L   | 91       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 10014    | 1.233 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 9534     | 1.066 | ug/L   | 96       |
| 48) 2-Hexanone                | 10.965 | 43   | 7757     | 1.817 | ug/L # | 80       |
| 49) Dibromochloromethane      | 11.123 | 129  | 9861     | 1.119 | ug/L   | 85       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 8986     | 1.192 | ug/L # | 100      |
| 51) Chlorobenzene             | 11.654 | 112  | 31019    | 1.045 | ug/L   | 90       |
| 52) Ethylbenzene              | 11.727 | 91   | 46883    | 0.933 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.837 | 106  | 16818    | 0.873 | ug/L   | 92       |
| 54) o-Xylene                  | 12.166 | 106  | 15077    | 0.837 | ug/L   | 92       |
| 55) Styrene                   | 12.184 | 104  | 25339    | 0.818 | ug/L   | 89       |
| 57) 1,1,2,2-Tetrachloroethane | 12.715 | 83   | 12655    | 1.299 | ug/L # | 98       |
| 59) Bromoform                 | 12.343 | 173  | 5620     | 1.111 | ug/L # | 38       |
| 60) Isopropylbenzene          | 12.459 | 105  | 39244    | 0.832 | ug/L # | 95       |
| 61) 1,2,3-Trichloropropane    | 12.770 | 75   | 8168     | 1.246 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 29009    | 0.785 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 28362    | 0.783 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 22069    | 1.014 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 24317    | 1.112 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 22103    | 1.158 | ug/L   | 92       |
| 68) 1,2-Dibromo-3-chloropr... | 14.483 | 75   | 2017     | 1.436 | ug/L   | 90       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 16025    | 1.143 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 12167    | 1.100 | ug/L   | 94       |
| 71) Naphthalene               | 15.367 | 128  | 18238    | 0.935 | ug/L # | 94       |
| 72) 1,2,3-Trichlorobenzene    | 15.550 | 180  | 10536    | 1.073 | ug/L   | 96       |

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

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