

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD112223\  
 Data File : VD077663.D  
 Acq On : 22 Nov 2023 11:52  
 Operator : JC/SY  
 Sample : 05438-08MSDRE  
 Misc : 5.06G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EY1G7MSD

Quant Time: Nov 23 00:31:23 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM110923SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Nov 22 01:40:25 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : Semsettin  
 Yesilyurt

| Compound                      | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------------|----------|
| -----                         |        |       |          |          |             |          |
| Internal Standards            |        |       |          |          |             |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 9774     | 25.000   | ug/L        | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 8929     | 25.000   | ug/L        | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.522 | 152   | 4047     | 25.000   | ug/L        | 0.00     |
| System Monitoring Compounds   |        |       |          |          |             |          |
| 4) Vinyl Chloride-d3          | 2.281  | 65    | 7074     | 28.451   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | = 113.800%  |          |
| 7) Chloroethane-d5            | 2.799  | 69    | 4537m    | 23.228   | ug/L        | -0.01    |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | = 92.920%   |          |
| 11) 1,1-Dichloroethene-d2     | 3.928  | 65    | 2405m    | 31.281   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | = 125.120%# |          |
| 21) 2-Butanone-d5             | 6.993  | 46    | 5368m    | 124.699  | ug/L        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | = 249.400%# |          |
| 24) Chloroform-d              | 7.563  | 84    | 10777    | 38.169   | ug/L        | -0.01    |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | = 152.680%# |          |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 7091     | 47.215   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | = 188.840%# |          |
| 32) Benzene-d6                | 8.199  | 84    | 17790    | 30.698   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | = 122.800%  |          |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 6239     | 33.051   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | = 132.200%# |          |
| 41) Toluene-d8                | 10.269 | 98    | 15510    | 29.618   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | = 118.480%  |          |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79    | 3146     | 38.653   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | = 154.600%# |          |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 3776     | 111.820  | ug/L        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | = 223.640%# |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 6718     | 53.715   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | = 214.840%# |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 4645     | 32.263   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | = 129.040%# |          |
| Target Compounds              |        |       |          |          |             |          |
|                               |        |       |          |          |             | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.934  | 85    | 2998     | 19.046   | ug/L        | 93       |
| 3) Chloromethane              | 2.146  | 50    | 5334     | 23.553   | ug/L        | 99       |
| 5) Vinyl chloride             | 2.287  | 62    | 5968     | 23.348   | ug/L        | 96       |
| 6) Bromomethane               | 2.699  | 94    | 3054m    | 22.442   | ug/L        |          |
| 8) Chloroethane               | 2.846  | 64    | 3100     | 19.508   | ug/L #      | 77       |
| 9) Trichlorofluoromethane     | 3.187  | 101   | 5015     | 21.559   | ug/L #      | 69       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.975  | 101   | 3004m    | 20.985   | ug/L        |          |
| 12) 1,1-Dichloroethene        | 3.946  | 96    | 3161m    | 22.742   | ug/L        |          |
| 13) Acetone                   | 4.022  | 43    | 6504     | 143.738  | ug/L        | 66       |
| 14) Carbon disulfide          | 4.281  | 76    | 8430     | 16.844   | ug/L        | 99       |
| 15) Methyl Acetate            | 4.569  | 43    | 4654m    | 62.519   | ug/L        |          |
| 16) Methylene chloride        | 4.799  | 84    | 5546     | 33.607   | ug/L #      | 67       |
| 17) trans-1,2-Dichloroethene  | 5.310  | 96    | 3180m    | 21.750   | ug/L        |          |
| 18) Methyl tert-butyl Ether   | 5.305  | 73    | 14418m   | 42.015   | ug/L        |          |
| 19) 1,1-Dichloroethane        | 6.116  | 63    | 7744     | 26.398   | ug/L        | 94       |
| 20) cis-1,2-Dichloroethene    | 7.075  | 96    | 4220     | 26.566   | ug/L #      | 67       |
| 22) 2-Butanone                | 7.093  | 43    | 6691     | 122.896  | ug/L #      | 61       |
| 23) Bromochloromethane        | 7.416  | 128   | 2461m    | 38.557   | ug/L        |          |
| 25) Chloroform                | 7.593  | 83    | 8836     | 32.788   | ug/L        | 77       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD112223\  
 Data File : VD077663.D  
 Acq On : 22 Nov 2023 11:52  
 Operator : JC/SY  
 Sample : 05438-08MSDRE  
 Misc : 5.06G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EY1G7MSD

Quant Time: Nov 23 00:31:23 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM110923SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Nov 22 01:40:25 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Semsettin  
 Yesilyurt

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |                                 |
|-------------------------------|--------|------|----------|---------|--------|----------|---------------------------------|
| 27) 1,2-Dichloroethane        | 8.328  | 62   | 6411     | 35.887  | ug/L   | 97       | 11/23/2023                      |
| 29) Cyclohexane               | 7.881  | 56   | 4145m    | 14.297  | ug/L   |          | Supervised By :Mahesh<br>Dadoda |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 5623m    | 24.056  | ug/L   |          |                                 |
| 31) Carbon tetrachloride      | 7.999  | 117  | 4101m    | 20.415  | ug/L   |          |                                 |
| 33) Benzene                   | 8.251  | 78   | 15147    | 24.463  | ug/L   | 100      |                                 |
| 34) Trichloroethene           | 9.034  | 95   | 3561     | 23.209  | ug/L   | 89       |                                 |
| 35) Methylcyclohexane         | 9.281  | 83   | 2943     | 10.629  | ug/L   | 91       | 11/24/2023                      |
| 37) 1,2-Dichloropropane       | 9.310  | 63   | 5281     | 30.679  | ug/L # | 88       |                                 |
| 38) Bromodichloromethane      | 9.581  | 83   | 6556     | 33.204  | ug/L # | 95       |                                 |
| 39) cis-1,3-Dichloropropene   | 10.022 | 75   | 7570     | 28.619  | ug/L   | 94       |                                 |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 11132    | 106.122 | ug/L   | 97       |                                 |
| 42) Toluene                   | 10.334 | 91   | 14769    | 22.718  | ug/L   | 95       |                                 |
| 44) trans-1,3-Dichloropropene | 10.557 | 75   | 6730     | 30.792  | ug/L   | 92       |                                 |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 4553     | 43.271  | ug/L   | 92       |                                 |
| 46) Tetrachloroethene         | 10.804 | 164  | 2275m    | 20.152  | ug/L   |          |                                 |
| 48) 2-Hexanone                | 10.922 | 43   | 7849     | 94.399  | ug/L # | 88       |                                 |
| 49) Dibromochloromethane      | 11.075 | 129  | 4382     | 36.663  | ug/L   | 96       |                                 |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 4639     | 46.104  | ug/L # | 90       |                                 |
| 51) Chlorobenzene             | 11.610 | 112  | 9659     | 25.361  | ug/L   | 93       |                                 |
| 52) Ethylbenzene              | 11.681 | 91   | 14298    | 19.988  | ug/L   | 91       |                                 |
| 53) m,p-Xylene                | 11.792 | 106  | 5360     | 20.592  | ug/L   | 67       |                                 |
| 54) o-Xylene                  | 12.122 | 106  | 5206     | 20.882  | ug/L   | 75       |                                 |
| 55) Styrene                   | 12.139 | 104  | 9617     | 22.093  | ug/L   | 78       |                                 |
| 57) 1,1,2,2-Tetrachloroethane | 12.681 | 83   | 6269     | 50.575  | ug/L   | 85       |                                 |
| 59) Bromoform                 | 12.292 | 173  | 3461     | 50.160  | ug/L # | 95       |                                 |
| 60) Isopropylbenzene          | 12.422 | 105  | 13244    | 20.232  | ug/L   | 94       |                                 |
| 61) 1,2,3-Trichloropropane    | 12.728 | 75   | 4974     | 57.700  | ug/L # | 93       |                                 |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 9196     | 18.510  | ug/L   | 95       |                                 |
| 63) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 9564     | 19.004  | ug/L   | 98       |                                 |
| 64) 1,3-Dichlorobenzene       | 13.463 | 146  | 6630     | 24.688  | ug/L   | 87       |                                 |
| 65) 1,4-Dichlorobenzene       | 13.539 | 146  | 6876     | 25.370  | ug/L # | 81       |                                 |
| 67) 1,2-Dichlorobenzene       | 13.834 | 146  | 6261     | 26.370  | ug/L   | 96       |                                 |
| 68) 1,2-Dibromo-3-chloropr... | 14.451 | 75   | 1116     | 59.517  | ug/L # | 64       |                                 |
| 69) 1,3,5-Trichlorobenzene    | 14.592 | 180  | 2528     | 13.825  | ug/L   | 93       |                                 |
| 70) 1,2,4-trichlorobenzene    | 15.104 | 180  | 2740     | 17.779  | ug/L # | 89       |                                 |
| 71) Naphthalene               | 15.333 | 128  | 7925     | 27.286  | ug/L   | 96       |                                 |
| 72) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 2493     | 18.972  | ug/L # | 89       |                                 |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD112223\  
Data File : VD077663.D  
Acq On : 22 Nov 2023 11:52  
Operator : JC/SY  
Sample : 05438-08MSDRE  
Misc : 5.06G/10ml/MSVOA\_D/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
EY1G7MSD

Manual Integrations  
APPROVED

Reviewed By :Semsettin  
Yesilyurt

Quant Time: Nov 23 00:31:23 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM110923SMA.M  
Quant Title : SFAM01.0  
QLast Update : Wed Nov 22 01:40:25 2023  
Response via : Initial Calibration

