

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD020224\  
 Data File : VD078322.D  
 Acq On : 02 Feb 2024 13:21  
 Operator : RP/MD  
 Sample : 04696-03  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL/A  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-QT4-2023-07

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/06/2024  
 Supervised By :Mahesh Dadoda 02/06/2024

Quant Time: Feb 03 01:16:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM020124SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Feb 03 00:20:19 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.781  | 114   | 202333   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 195837   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.522 | 152   | 82664    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.275  | 65    | 148659   | 25.897   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 103.600% |
| 7) Chloroethane-d5            | 2.799  | 69    | 124219   | 25.743   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 102.960% |
| 11) 1,1-Dichloroethene-d2     | 3.917  | 65    | 31322    | 25.271   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 101.080% |
| 21) 2-Butanone-d5             | 6.987  | 46    | 43990    | 52.047   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 104.100% |
| 24) Chloroform-d              | 7.563  | 84    | 144808   | 25.102   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 100.400% |
| 26) 1,2-Dichloroethane-d4     | 8.234  | 65    | 80547    | 25.872   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 103.480% |
| 32) Benzene-d6                | 8.205  | 84    | 300769   | 26.266   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 105.080% |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 93628    | 26.559   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 106.240% |
| 41) Toluene-d8                | 10.269 | 98    | 263492   | 25.618   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 102.480% |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79    | 40343    | 25.629   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 102.520% |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 37157    | 51.950   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 103.900% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 82176    | 25.086   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 100.360% |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 78634    | 26.571   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 106.280% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.934  | 85    | 3249     | 0.814    | ug/L   | 92       |
| 3) Chloromethane              | 2.152  | 50    | 5804     | 1.000    | ug/L   | 90       |
| 5) Vinyl chloride             | 2.275  | 62    | 6300     | 0.878    | ug/L # | 58       |
| 6) Bromomethane               | 2.693  | 94    | 2352     | 0.723    | ug/L   | 96       |
| 8) Chloroethane               | 2.840  | 64    | 4085     | 0.894    | ug/L # | 77       |
| 9) Trichlorofluoromethane     | 3.164  | 101   | 4122m    | 0.808    | ug/L   |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.975  | 101   | 3525m    | 1.111    | ug/L   |          |
| 12) 1,1-Dichloroethene        | 3.934  | 96    | 2982     | 1.015    | ug/L # | 1        |
| 13) Acetone                   | 4.022  | 43    | 2242m    | 2.020    | ug/L   |          |
| 14) Carbon disulfide          | 4.264  | 76    | 8642     | 0.798    | ug/L # | 87       |
| 15) Methyl Acetate            | 4.575  | 43    | 1233m    | 0.742    | ug/L   |          |
| 16) Methylene chloride        | 4.799  | 84    | 7079m    | 1.784    | ug/L   |          |
| 17) trans-1,2-Dichloroethene  | 5.316  | 96    | 2469m    | 0.763    | ug/L   |          |
| 18) Methyl tert-butyl Ether   | 5.311  | 73    | 4834m    | 0.642    | ug/L   |          |
| 19) 1,1-Dichloroethane        | 6.116  | 63    | 4835m    | 0.854    | ug/L   |          |
| 20) cis-1,2-Dichloroethene    | 7.069  | 96    | 2813m    | 0.793    | ug/L   |          |
| 22) 2-Butanone                | 7.087  | 43    | 2048m    | 1.524    | ug/L   |          |
| 23) Bromochloromethane        | 7.428  | 128   | 1195m    | 0.763    | ug/L   |          |
| 25) Chloroform                | 7.593  | 83    | 6515     | 1.054    | ug/L   | 96       |

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 Sample : 04696-03  
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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-QT4-2023-07

Quant Time: Feb 03 01:16:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM020124SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Feb 03 00:20:19 2024  
 Response via : Initial Calibration

Manual Integrations  
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| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.316  | 62   | 3142     | 0.792 | ug/L # | 72       |
| 29) Cyclohexane               | 7.875  | 56   | 3051m    | 0.689 | ug/L   |          |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 3666     | 0.764 | ug/L # | 84       |
| 31) Carbon tetrachloride      | 7.987  | 117  | 3318     | 0.785 | ug/L # | 53       |
| 33) Benzene                   | 8.246  | 78   | 10801    | 0.818 | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 2841     | 0.852 | ug/L # | 72       |
| 35) Methylcyclohexane         | 9.275  | 83   | 3934     | 0.754 | ug/L   | 93       |
| 37) 1,2-Dichloropropane       | 9.305  | 63   | 2807     | 0.807 | ug/L # | 97       |
| 38) Bromodichloromethane      | 9.575  | 83   | 3700m    | 0.816 | ug/L   |          |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 3811     | 0.704 | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 10.163 | 43   | 3002     | 1.390 | ug/L # | 89       |
| 42) Toluene                   | 10.334 | 91   | 10287    | 0.749 | ug/L   | 92       |
| 44) trans-1,3-Dichloropropene | 10.552 | 75   | 3668     | 0.775 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 2042m    | 0.737 | ug/L   |          |
| 46) Tetrachloroethene         | 10.810 | 164  | 2113     | 0.923 | ug/L   | 89       |
| 48) 2-Hexanone                | 10.928 | 43   | 2512     | 1.426 | ug/L # | 92       |
| 49) Dibromochloromethane      | 11.075 | 129  | 2586     | 0.830 | ug/L   | 91       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 2005     | 0.742 | ug/L # | 98       |
| 51) Chlorobenzene             | 11.604 | 112  | 7238     | 0.814 | ug/L   | 88       |
| 52) Ethylbenzene              | 11.681 | 91   | 9929     | 0.673 | ug/L   | 95       |
| 53) m,p-Xylene                | 11.793 | 106  | 3521     | 0.621 | ug/L   | 64       |
| 54) o-Xylene                  | 12.122 | 106  | 3950     | 0.723 | ug/L   | 75       |
| 55) Styrene                   | 12.128 | 104  | 5733m    | 0.581 | ug/L   |          |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 3354     | 0.944 | ug/L # | 83       |
| 59) Bromoform                 | 12.293 | 173  | 1438     | 0.867 | ug/L # | 66       |
| 60) Isopropylbenzene          | 12.422 | 105  | 7815     | 0.626 | ug/L # | 93       |
| 61) 1,2,3-Trichloropropane    | 12.728 | 75   | 1851     | 0.878 | ug/L # | 57       |
| 62) 1,3,5-Trimethylbenzene    | 12.898 | 105  | 6306     | 0.645 | ug/L   | 96       |
| 63) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 6240     | 0.645 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 4037     | 0.724 | ug/L   | 93       |
| 65) 1,4-Dichlorobenzene       | 13.540 | 146  | 4330     | 0.742 | ug/L   | 93       |
| 67) 1,2-Dichlorobenzene       | 13.834 | 146  | 4946     | 0.938 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.445 | 75   | 305m     | 0.653 | ug/L   |          |
| 69) 1,3,5-Trichlorobenzene    | 14.598 | 180  | 2708     | 0.789 | ug/L # | 65       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 2459     | 0.828 | ug/L # | 75       |
| 71) Naphthalene               | 15.334 | 128  | 4950     | 0.712 | ug/L # | 73       |
| 72) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 2227     | 0.804 | ug/L   | 90       |

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

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