

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW093025\  
 Data File : VW032298.D  
 Acq On : 30 Sep 2025 12:54  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 01 00:48:53 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W092525S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 26 07:11:42 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.345 | 0.276 | 20.0  | 87    | 0.00     |
| 3 P   | Chloromethane               | 0.494 | 0.401 | 18.8  | 88    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.578 | 0.536 | 7.3#  | 93    | 0.00     |
| 5 T   | Bromomethane                | 0.394 | 0.369 | 6.3   | 93    | 0.00     |
| 6 T   | Chloroethane                | 0.391 | 0.367 | 6.1   | 95    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.435 | 0.387 | 11.0  | 94    | 0.00     |
| 8 T   | Diethyl Ether               | 0.412 | 0.385 | 6.6   | 97    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.556 | 0.529 | 4.9   | 93    | 0.00     |
| 10 T  | Methyl Iodide               | 0.751 | 0.713 | 5.1   | 93    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.055 | 0.054 | 1.8   | 111   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.594 | 0.577 | 2.9#  | 97    | 0.00     |
| 13 T  | Acrolein                    | 0.098 | 0.058 | 40.8# | 59    | 0.00     |
| 14 T  | Allyl chloride              | 0.922 | 0.938 | -1.7  | 99    | 0.00     |
| 15 T  | Acrylonitrile               | 0.212 | 0.207 | 2.4   | 102   | 0.00     |
| 16 T  | Acetone                     | 0.203 | 0.201 | 1.0   | 114   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.365 | 1.269 | 7.0   | 93    | 0.00     |
| 18 T  | Methyl Acetate              | 0.697 | 0.766 | -9.9  | 96    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.101 | 1.161 | -5.4  | 101   | 0.00     |
| 20 T  | Methylene Chloride          | 0.991 | 0.730 | 26.3# | 91    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.640 | 0.620 | 3.1   | 95    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.048 | 2.099 | -2.5  | 97    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.317 | 1.335 | -1.4  | 102   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.293 | 1.253 | 3.1   | 94    | 0.00     |
| 25 T  | 2-Butanone                  | 0.283 | 0.288 | -1.8  | 106   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.637 | 0.645 | -1.3  | 100   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.796 | 0.784 | 1.5   | 95    | 0.00     |
| 28 T  | Bromochloromethane          | 0.617 | 0.590 | 4.4   | 93    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.183 | 0.183 | 0.0   | 102   | 0.00     |
| 30 C  | Chloroform                  | 1.349 | 1.303 | 3.4#  | 94    | 0.00     |
| 31 T  | Cyclohexane                 | 1.019 | 0.958 | 6.0   | 97    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.909 | 0.905 | 0.4   | 96    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.789 | 0.731 | 7.4   | 96    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.360 | 0.338 | 6.1   | 94    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.485 | 0.482 | 0.6   | 96    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.322 | 0.316 | 1.9   | 101   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.456 | 0.469 | -2.9  | 101   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.561 | 0.565 | -0.7  | 96    | 0.00     |
| 40 TM | Benzene                     | 1.526 | 1.500 | 1.7   | 95    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.184 | 0.189 | -2.7  | 103   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.507 | 0.490 | 3.4   | 97    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.576 | 0.585 | -1.6  | 103   | 0.00     |
| 44 TM | Trichloroethene             | 0.357 | 0.358 | -0.3  | 100   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.395 | 0.385 | 2.5#  | 94    | 0.00     |
| 46 T  | Dibromomethane              | 0.243 | 0.233 | 4.1   | 95    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.554 | 0.547 | 1.3   | 94    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.271 | 0.281 | -3.7  | 100   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW093025\  
 Data File : VW032298.D  
 Acq On : 30 Sep 2025 12:54  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 01 00:48:53 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W092525S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 26 07:11:42 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.003 | 0.003 | 0.0   | 99    | 0.00     |
| 50 S  | Toluene-d8                  | 1.296 | 1.244 | 4.0   | 96    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.341 | 0.349 | -2.3  | 104   | 0.00     |
| 52 CM | Toluene                     | 0.946 | 0.936 | 1.1#  | 96    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.508 | 0.533 | -4.9  | 101   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.586 | 0.614 | -4.8  | 100   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.332 | 0.324 | 2.4   | 99    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.437 | 0.467 | -6.9  | 103   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.573 | 0.552 | 3.7   | 94    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.240 | 0.258 | -7.5  | 99    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.233 | 0.248 | -6.4  | 106   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.364 | 0.376 | -3.3  | 98    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.314 | 0.305 | 2.9   | 95    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.489 | 0.469 | 4.1   | 94    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 92    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.305 | 0.308 | -1.0  | 94    | 0.00     |
| 65 PM | Chlorobenzene               | 1.152 | 1.121 | 2.7   | 92    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.364 | 0.381 | -4.7  | 97    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.885 | 1.951 | -3.5# | 95    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.723 | 0.768 | -6.2  | 98    | 0.00     |
| 69 T  | o-Xylene                    | 0.679 | 0.737 | -8.5  | 96    | 0.00     |
| 70 T  | Styrene                     | 1.191 | 1.263 | -6.0  | 93    | 0.00     |
| 71 P  | Bromoform                   | 0.212 | 0.214 | -0.9  | 94    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 95    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.480 | 3.743 | -7.6  | 96    | 0.00     |
| 74 T  | N-amyl acetate              | 1.096 | 1.170 | -6.8  | 103   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.912 | 0.915 | -0.3  | 98    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.688 | 0.640 | 7.0   | 92    | 0.00     |
| 77 T  | Bromobenzene                | 0.856 | 0.870 | -1.6  | 90    | 0.00     |
| 78 T  | n-propylbenzene             | 4.371 | 4.577 | -4.7  | 93    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.648 | 2.842 | -7.3  | 98    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.975 | 3.148 | -5.8  | 94    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.265 | 0.280 | -5.7  | 99    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.799 | 2.973 | -6.2  | 97    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.488 | 2.685 | -7.9  | 98    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.021 | 3.261 | -7.9  | 97    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.737 | 4.061 | -8.7  | 97    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.095 | 3.373 | -9.0  | 95    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.693 | 1.811 | -7.0  | 99    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.730 | 1.781 | -2.9  | 101   | 0.00     |
| 89 T  | n-Butylbenzene              | 3.106 | 3.363 | -8.3  | 97    | 0.00     |
| 90 T  | Hexachloroethane            | 0.577 | 0.604 | -4.7  | 100   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.584 | 1.598 | -0.9  | 93    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.156 | 0.155 | 0.6   | 102   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.940 | 0.962 | -2.3  | 95    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.432 | 0.473 | -9.5  | 115   | 0.00     |
| 95 T  | Naphthalene                 | 2.255 | 2.420 | -7.3  | 100   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW093025\  
Data File : VW032298.D  
Acq On : 30 Sep 2025 12:54  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5mL/MSVOA\_W/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
LabSampleId :  
VSTDCCC050

Quant Time: Oct 01 00:48:53 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W092525S.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 26 07:11:42 2025  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 0.874 | 0.932 | -6.6 | 100   | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6