

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100925\  
 Data File : VY023407.D  
 Acq On : 09 Oct 2025 08:47  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 10 04:19:45 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 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   | 91    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.360 | 0.325 | 9.7   | 93    | 0.00     |
| 3 P   | Chloromethane               | 0.490 | 0.457 | 6.7   | 93    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.639 | 0.603 | 5.6#  | 92    | 0.00     |
| 5 T   | Bromomethane                | 0.536 | 0.486 | 9.3   | 95    | 0.00     |
| 6 T   | Chloroethane                | 0.435 | 0.429 | 1.4   | 95    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.887 | 0.840 | 5.3   | 91    | 0.00     |
| 8 T   | Diethyl Ether               | 0.232 | 0.222 | 4.3   | 95    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.460 | 0.464 | -0.9  | 97    | 0.00     |
| 10 T  | Methyl Iodide               | 0.512 | 0.560 | -9.4  | 95    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.031 | 0.027 | 12.9  | 98    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.446 | 0.439 | 1.6#  | 94    | 0.00     |
| 13 T  | Acrolein                    | 0.044 | 0.035 | 20.5  | 76    | 0.00     |
| 14 T  | Allyl chloride              | 0.544 | 0.536 | 1.5   | 93    | 0.00     |
| 15 T  | Acrylonitrile               | 0.089 | 0.087 | 2.2   | 98    | 0.00     |
| 16 T  | Acetone                     | 0.100 | 0.108 | -8.0  | 119   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.277 | 1.281 | -0.3  | 96    | 0.00     |
| 18 T  | Methyl Acetate              | 0.261 | 0.259 | 0.8   | 97    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.072 | 1.059 | 1.2   | 95    | 0.00     |
| 20 T  | Methylene Chloride          | 0.538 | 0.497 | 7.6   | 99    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.491 | 0.501 | -2.0  | 98    | 0.01     |
| 22 T  | Diisopropyl ether           | 1.202 | 1.224 | -1.8  | 96    | 0.00     |
| 23 T  | Vinyl Acetate               | 0.651 | 0.657 | -0.9  | 96    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.796 | 0.803 | -0.9  | 97    | 0.00     |
| 25 T  | 2-Butanone                  | 0.122 | 0.121 | 0.8   | 105   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.731 | 0.746 | -2.1  | 97    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.567 | 0.579 | -2.1  | 98    | 0.00     |
| 28 T  | Bromochloromethane          | 0.297 | 0.276 | 7.1   | 95    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.069 | 0.067 | 2.9   | 97    | 0.00     |
| 30 C  | Chloroform                  | 0.875 | 0.894 | -2.2# | 98    | 0.00     |
| 31 T  | Cyclohexane                 | 0.696 | 0.654 | 6.0   | 93    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.795 | 0.802 | -0.9  | 96    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.418 | 0.413 | 1.2   | 97    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 90    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.307 | 0.317 | -3.3  | 96    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.407 | 0.426 | -4.7  | 97    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.161 | 0.165 | -2.5  | 99    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.493 | 0.516 | -4.7  | 97    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.530 | 0.548 | -3.4  | 94    | 0.00     |
| 40 TM | Benzene                     | 1.288 | 1.342 | -4.2  | 96    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.087 | 0.091 | -4.6  | 103   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.332 | 0.340 | -2.4  | 97    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.321 | 0.318 | 0.9   | 95    | 0.00     |
| 44 TM | Trichloroethene             | 0.377 | 0.386 | -2.4  | 95    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.285 | 0.296 | -3.9# | 98    | 0.00     |
| 46 T  | Dibromomethane              | 0.180 | 0.192 | -6.7  | 100   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.453 | 0.475 | -4.9  | 98    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.151 | 0.152 | -0.7  | 93    | 0.00     |

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|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.002 | 0.002 | 0.0   | 86    | 0.00     |
| 50 S  | Toluene-d8                  | 1.144 | 1.201 | -5.0  | 96    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.166 | 0.174 | -4.8  | 99    | 0.00     |
| 52 CM | Toluene                     | 0.836 | 0.894 | -6.9# | 97    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.394 | 0.411 | -4.3  | 96    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.465 | 0.487 | -4.7  | 96    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.242 | 0.255 | -5.4  | 100   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.279 | 0.297 | -6.5  | 96    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.383 | 0.403 | -5.2  | 97    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.125 | 0.132 | -5.6  | 92    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.119 | 0.126 | -5.9  | 101   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.339 | 0.355 | -4.7  | 98    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.231 | 0.241 | -4.3  | 98    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.378 | 0.383 | -1.3  | 95    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.516 | 0.534 | -3.5  | 95    | 0.00     |
| 65 PM | Chlorobenzene               | 1.087 | 1.103 | -1.5  | 97    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.388 | 0.396 | -2.1  | 99    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.760 | 1.836 | -4.3# | 96    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.706 | 0.745 | -5.5  | 96    | 0.00     |
| 69 T  | o-Xylene                    | 0.662 | 0.689 | -4.1  | 95    | 0.00     |
| 70 T  | Styrene                     | 1.089 | 1.151 | -5.7  | 96    | 0.00     |
| 71 P  | Bromoform                   | 0.240 | 0.243 | -1.3  | 98    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 92    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.295 | 3.452 | -4.8  | 96    | 0.00     |
| 74 T  | N-amyl acetate              | 0.592 | 0.591 | 0.2   | 94    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.539 | 0.537 | 0.4   | 99    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.441 | 0.417 | 5.4   | 89    | 0.00     |
| 77 T  | Bromobenzene                | 0.876 | 0.881 | -0.6  | 96    | 0.00     |
| 78 T  | n-propylbenzene             | 3.813 | 4.044 | -6.1  | 96    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.233 | 2.307 | -3.3  | 95    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.663 | 2.827 | -6.2  | 96    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.180 | 0.180 | 0.0   | 98    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.300 | 2.387 | -3.8  | 96    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.458 | 2.560 | -4.1  | 93    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.657 | 2.812 | -5.8  | 96    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.527 | 3.735 | -5.9  | 96    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.003 | 3.190 | -6.2  | 95    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.706 | 1.710 | -0.2  | 95    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.685 | 1.673 | 0.7   | 95    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.616 | 2.748 | -5.0  | 94    | 0.00     |
| 90 T  | Hexachloroethane            | 0.646 | 0.648 | -0.3  | 95    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.496 | 1.512 | -1.1  | 96    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.088 | 0.085 | 3.4   | 94    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.932 | 0.876 | 6.0   | 88    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.581 | 0.554 | 4.6   | 88    | 0.00     |
| 95 T  | Naphthalene                 | 1.485 | 1.384 | 6.8   | 87    | 0.00     |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 0.808 | 0.755 | 6.6  | 88    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6