

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061324\  
 Data File : VY018583.D  
 Acq On : 13 Jun 2024 18:46  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ICVVY061324

Quant Time: Jun 14 07:14:01 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061324S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 14 07:08:24 2024  
 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   | 108   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.329 | 0.332 | -0.9  | 98    | 0.00     |
| 3 P   | Chloromethane               | 0.678 | 0.712 | -5.0  | 93    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.840 | 0.847 | -0.8# | 92    | 0.00     |
| 5 T   | Bromomethane                | 0.624 | 0.628 | -0.6  | 97    | 0.00     |
| 6 T   | Chloroethane                | 0.550 | 0.552 | -0.4  | 92    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.904 | 0.948 | -4.9  | 97    | 0.00     |
| 8 T   | Diethyl Ether               | 0.258 | 0.264 | -2.3  | 90    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.473 | 0.495 | -4.7  | 99    | 0.00     |
| 10 T  | Methyl Iodide               | 0.515 | 0.519 | -0.8  | 82    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.091 | 0.053 | 41.8# | 86    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.475 | 0.490 | -3.2# | 95    | 0.00     |
| 13 T  | Acrolein                    | 0.029 | 0.036 | -24.1 | 102   | 0.00     |
| 14 T  | Allyl chloride              | 0.640 | 0.635 | 0.8   | 90    | 0.00     |
| 15 T  | Acrylonitrile               | 0.115 | 0.113 | 1.7   | 87    | 0.00     |
| 16 T  | Acetone                     | 0.102 | 0.104 | -2.0  | 88    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.266 | 1.452 | -14.7 | 95    | 0.00     |
| 18 T  | Methyl Acetate              | 0.260 | 0.263 | -1.2  | 83    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.267 | 1.265 | 0.2   | 91    | 0.00     |
| 20 T  | Methylene Chloride          | 0.854 | 0.643 | 24.7  | 97    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.541 | 0.560 | -3.5  | 95    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.445 | 1.434 | 0.8   | 89    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.042 | 1.189 | -14.1 | 88    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.931 | 0.924 | 0.8   | 92    | 0.00     |
| 25 T  | 2-Butanone                  | 0.154 | 0.152 | 1.3   | 86    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.785 | 0.759 | 3.3   | 92    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.653 | 0.664 | -1.7  | 94    | 0.00     |
| 28 T  | Bromochloromethane          | 0.382 | 0.393 | -2.9  | 135   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.094 | 0.095 | -1.1  | 88    | 0.00     |
| 30 C  | Chloroform                  | 1.015 | 0.988 | 2.7#  | 91    | 0.00     |
| 31 T  | Cyclohexane                 | 0.771 | 0.762 | 1.2   | 95    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.862 | 0.860 | 0.2   | 93    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.503 | 0.497 | 1.2   | 106   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 106   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.305 | 0.304 | 0.3   | 106   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.420 | 0.421 | -0.2  | 93    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.198 | 0.196 | 1.0   | 88    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.440 | 0.450 | -2.3  | 95    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.514 | 0.558 | -8.6  | 96    | 0.00     |
| 40 TM | Benzene                     | 1.298 | 1.303 | -0.4  | 91    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.100 | 0.098 | 2.0   | 89    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.339 | 0.331 | 2.4   | 88    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.369 | 0.371 | -0.5  | 87    | 0.00     |
| 44 TM | Trichloroethene             | 0.340 | 0.347 | -2.1  | 93    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.297 | 0.291 | 2.0#  | 89    | 0.00     |
| 46 T  | Dibromomethane              | 0.184 | 0.188 | -2.2  | 91    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.440 | 0.437 | 0.7   | 89    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.166 | 0.174 | -4.8  | 88    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061324\  
 Data File : VY018583.D  
 Acq On : 13 Jun 2024 18:46  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ICSVY061324

Quant Time: Jun 14 07:14:01 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061324S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 14 07:08:24 2024  
 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                 | 0.002 | 0.002 | 0.0   | 89    | 0.00     |
| 50 S  | Toluene-d8                  | 1.173 | 1.204 | -2.6  | 109   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.195 | 0.197 | -1.0  | 86    | 0.00     |
| 52 CM | Toluene                     | 0.834 | 0.864 | -3.6# | 92    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.384 | 0.399 | -3.9  | 89    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.464 | 0.474 | -2.2  | 91    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.245 | 0.249 | -1.6  | 92    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.321 | 0.340 | -5.9  | 87    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.407 | 0.409 | -0.5  | 89    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.155 | 0.127 | 18.1  | 79    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.136 | 0.140 | -2.9  | 86    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.304 | 0.313 | -3.0  | 90    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.226 | 0.237 | -4.9  | 90    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.370 | 0.384 | -3.8  | 105   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 105   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.357 | 0.365 | -2.2  | 93    | 0.00     |
| 65 PM | Chlorobenzene               | 1.033 | 1.053 | -1.9  | 91    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.346 | 0.344 | 0.6   | 89    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.792 | 1.857 | -3.6# | 92    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.697 | 0.728 | -4.4  | 90    | 0.00     |
| 69 T  | o-Xylene                    | 0.671 | 0.684 | -1.9  | 89    | 0.00     |
| 70 T  | Styrene                     | 1.108 | 1.173 | -5.9  | 90    | 0.00     |
| 71 P  | Bromoform                   | 0.190 | 0.191 | -0.5  | 89    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 104   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.651 | 3.622 | 0.8   | 91    | 0.00     |
| 74 T  | N-amyl acetate              | 0.748 | 0.777 | -3.9  | 87    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.648 | 0.652 | -0.6  | 90    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.469 | 0.480 | -2.3  | 87    | 0.00     |
| 77 T  | Bromobenzene                | 0.844 | 0.837 | 0.8   | 93    | 0.00     |
| 78 T  | n-propylbenzene             | 4.273 | 4.350 | -1.8  | 92    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.412 | 2.385 | 1.1   | 90    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.894 | 2.929 | -1.2  | 91    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.179 | 0.191 | -6.7  | 87    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.429 | 2.432 | -0.1  | 91    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.678 | 2.624 | 2.0   | 92    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.892 | 2.978 | -3.0  | 92    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.820 | 3.956 | -3.6  | 93    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.238 | 3.311 | -2.3  | 93    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.703 | 1.671 | 1.9   | 91    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.671 | 1.645 | 1.6   | 92    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.919 | 3.069 | -5.1  | 95    | 0.00     |
| 90 T  | Hexachloroethane            | 0.588 | 0.616 | -4.8  | 93    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.455 | 1.460 | -0.3  | 91    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.094 | 0.088 | 6.4   | 82    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.811 | 0.832 | -2.6  | 94    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.416 | 0.422 | -1.4  | 95    | 0.00     |
| 95 T  | Naphthalene                 | 1.515 | 1.609 | -6.2  | 91    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061324\  
Data File : VY018583.D  
Acq On : 13 Jun 2024 18:46  
Operator : SY/MD  
Sample : VSTDICV050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY061324

Quant Time: Jun 14 07:14:01 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061324S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 14 07:08:24 2024  
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 | 0.685 | 0.706 | -3.1 | 94    | 0.00     |

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