

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD040622\  
 Data File : VD072544.D  
 Acq On : 06 Apr 2022 11:45  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 07 01:09:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D032922S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 30 02:44:36 2022  
 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     | 0.397 | 0.393 | 1.0    | 83    | 0.00     |
| 3 P   | Chloromethane               | 0.367 | 0.411 | -12.0  | 89    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.385 | 0.443 | -15.1# | 89    | 0.00     |
| 5 T   | Bromomethane                | 0.283 | 0.306 | -8.1   | 89    | 0.00     |
| 6 T   | Chloroethane                | 0.270 | 0.304 | -12.6  | 90    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.861 | 0.952 | -10.6  | 90    | 0.00     |
| 8 T   | Diethyl Ether               | 0.256 | 0.275 | -7.4   | 91    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.574 | 0.609 | -6.1   | 90    | 0.00     |
| 10 T  | Methyl Iodide               | 0.457 | 0.533 | -16.6  | 87    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.032 | 0.032 | 0.0    | 91    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.449 | 0.505 | -12.5# | 89    | 0.00     |
| 13 T  | Acrolein                    | 0.014 | 0.010 | 28.6#  | 106   | 0.00     |
| 14 T  | Allyl chloride              | 0.721 | 0.824 | -14.3  | 91    | 0.00     |
| 15 T  | Acrylonitrile               | 0.128 | 0.135 | -5.5   | 93    | 0.00     |
| 16 T  | Acetone                     | 0.113 | 0.118 | -4.4   | 92    | 0.00     |
| 17 T  | Carbon Disulfide            | 0.795 | 1.009 | -26.9# | 86    | 0.00     |
| 18 T  | Methyl Acetate              | 0.318 | 0.291 | 8.5    | 93    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.311 | 1.405 | -7.2   | 92    | 0.00     |
| 20 T  | Methylene Chloride          | 0.671 | 0.702 | -4.6   | 98    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.502 | 0.571 | -13.7  | 88    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.804 | 1.983 | -9.9   | 92    | 0.00     |
| 23 T  | Vinyl Acetate               | 0.871 | 1.035 | -18.8  | 92    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.087 | 1.177 | -8.3   | 92    | 0.00     |
| 25 T  | 2-Butanone                  | 0.156 | 0.167 | -7.1   | 91    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.966 | 1.039 | -7.6   | 92    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.682 | 0.749 | -9.8   | 91    | 0.00     |
| 28 T  | Bromochloromethane          | 0.466 | 0.494 | -6.0   | 95    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.094 | 0.101 | -7.4   | 90    | 0.00     |
| 30 C  | Chloroform                  | 1.223 | 1.300 | -6.3#  | 92    | 0.00     |
| 31 T  | Cyclohexane                 | 0.791 | 0.862 | -9.0   | 87    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.037 | 1.125 | -8.5   | 91    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.605 | 0.582 | 3.8    | 90    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 95    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.389 | 0.376 | 3.3    | 90    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.455 | 0.513 | -12.7  | 89    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.206 | 0.216 | -4.9   | 90    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.535 | 0.587 | -9.7   | 90    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.498 | 0.593 | -19.1  | 90    | 0.00     |
| 40 TM | Benzene                     | 1.357 | 1.509 | -11.2  | 90    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.112 | 0.113 | -0.9   | 94    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.415 | 0.461 | -11.1  | 94    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.395 | 0.432 | -9.4   | 93    | 0.00     |
| 44 TM | Trichloroethene             | 0.385 | 0.417 | -8.3   | 88    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.377 | 0.408 | -8.2#  | 92    | 0.00     |
| 46 T  | Dibromomethane              | 0.198 | 0.216 | -9.1   | 91    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.569 | 0.609 | -7.0   | 94    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.192 | 0.219 | -14.1  | 99    | 0.00     |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D032922S.M  
 Quant Title : SW846 8260  
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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    | 96    | 0.00     |
| 50 S  | Toluene-d8                  | 1.351 | 1.262 | 6.6    | 87    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.212 | 0.229 | -8.0   | 92    | 0.00     |
| 52 CM | Toluene                     | 0.902 | 0.995 | -10.3# | 89    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.496 | 0.549 | -10.7  | 92    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.586 | 0.646 | -10.2  | 93    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.300 | 0.325 | -8.3   | 94    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.339 | 0.385 | -13.6  | 92    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.496 | 0.528 | -6.5   | 93    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.148 | 0.154 | -4.1   | 89    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.144 | 0.157 | -9.0   | 91    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.387 | 0.409 | -5.7   | 93    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.267 | 0.293 | -9.7   | 94    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.528 | 0.488 | 7.6    | 89    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.327 | 0.354 | -8.3   | 90    | 0.00     |
| 65 PM | Chlorobenzene               | 1.118 | 1.195 | -6.9   | 91    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.447 | 0.472 | -5.6   | 92    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.951 | 2.147 | -10.0# | 90    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.740 | 0.824 | -11.4  | 91    | 0.00     |
| 69 T  | o-Xylene                    | 0.714 | 0.787 | -10.2  | 91    | 0.00     |
| 70 T  | Styrene                     | 1.258 | 1.391 | -10.6  | 91    | 0.00     |
| 71 P  | Bromoform                   | 0.237 | 0.244 | -3.0   | 91    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 96    | 0.00     |
| 73 T  | Isopropylbenzene            | 4.038 | 4.303 | -6.6   | 90    | 0.00     |
| 74 T  | N-amyl acetate              | 0.847 | 0.852 | -0.6   | 88    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.765 | 0.751 | 1.8    | 93    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.545 | 0.572 | -5.0   | 85    | 0.00     |
| 77 T  | Bromobenzene                | 0.905 | 0.944 | -4.3   | 91    | 0.00     |
| 78 T  | n-propylbenzene             | 4.871 | 5.172 | -6.2   | 90    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.849 | 2.979 | -4.6   | 90    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.458 | 3.601 | -4.1   | 90    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.222 | 0.234 | -5.4   | 93    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.967 | 3.069 | -3.4   | 91    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.994 | 3.169 | -5.8   | 92    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.382 | 3.565 | -5.4   | 92    | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.510 | 4.701 | -4.2   | 90    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.686 | 3.879 | -5.2   | 91    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.875 | 1.903 | -1.5   | 92    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.890 | 1.910 | -1.1   | 92    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.512 | 3.680 | -4.8   | 90    | 0.00     |
| 90 T  | Hexachloroethane            | 0.755 | 0.776 | -2.8   | 94    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.654 | 1.684 | -1.8   | 91    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.113 | 0.113 | 0.0    | 93    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.025 | 1.069 | -4.3   | 92    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.574 | 0.588 | -2.4   | 93    | 0.00     |
| 95 T  | Naphthalene                 | 1.992 | 1.963 | 1.5    | 89    | 0.00     |

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Quant Title : SW846 8260  
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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 | 0.895 | 0.918 | -2.6 | 92    | 0.00     |

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