

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD040121\  
 Data File : VD068749.D  
 Acq On : 01 Apr 2021 10:35  
 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 02 01:00:44 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031921S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 20 02:00:55 2021  
 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   | 110   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.391 | 0.375 | 4.1   | 109   | 0.00     |
| 3 P   | Chloromethane               | 0.482 | 0.427 | 11.4  | 101   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.569 | 0.546 | 4.0#  | 108   | 0.00     |
| 5 T   | Bromomethane                | 0.421 | 0.397 | 5.7   | 115   | 0.00     |
| 6 T   | Chloroethane                | 0.373 | 0.365 | 2.1   | 111   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.678 | 0.753 | -11.1 | 125   | 0.00     |
| 8 T   | Diethyl Ether               | 0.188 | 0.188 | 0.0   | 108   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.406 | 0.444 | -9.4  | 122   | 0.00     |
| 10 T  | Methyl Iodide               | 0.419 | 0.435 | -3.8  | 103   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.023 | 0.023 | 0.0   | 108   | -0.02    |
| 12 CM | 1,1-Dichloroethene          | 0.395 | 0.412 | -4.3# | 113   | 0.00     |
| 13 T  | Acrolein                    | 0.021 | 0.015 | 28.6# | 89    | 0.00     |
| 14 T  | Allyl chloride              | 0.480 | 0.452 | 5.8   | 104   | 0.00     |
| 15 T  | Acrylonitrile               | 0.091 | 0.085 | 6.6   | 101   | 0.00     |
| 16 T  | Acetone                     | 0.061 | 0.064 | -4.9  | 120   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.269 | 1.235 | 2.7   | 106   | 0.00     |
| 18 T  | Methyl Acetate              | 0.168 | 0.181 | -7.7  | 115   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 0.995 | 1.001 | -0.6  | 110   | 0.00     |
| 20 T  | Methylene Chloride          | 0.666 | 0.495 | 25.7# | 106   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.549 | 0.537 | 2.2   | 108   | 0.00     |
| 22 T  | Diisopropyl ether           | 1.220 | 1.146 | 6.1   | 102   | 0.00     |
| 23 T  | Vinyl Acetate               | 0.648 | 0.598 | 7.7   | 98    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.895 | 0.858 | 4.1   | 107   | 0.00     |
| 25 T  | 2-Butanone                  | 0.101 | 0.092 | 8.9   | 99    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.796 | 0.764 | 4.0   | 106   | -0.01    |
| 27 T  | cis-1,2-Dichloroethene      | 0.612 | 0.580 | 5.2   | 103   | 0.00     |
| 28 T  | Bromochloromethane          | 0.354 | 0.346 | 2.3   | 104   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.064 | 0.059 | 7.8   | 99    | 0.00     |
| 30 C  | Chloroform                  | 0.973 | 0.939 | 3.5#  | 108   | 0.00     |
| 31 T  | Cyclohexane                 | 0.813 | 0.705 | 13.3  | 100   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.868 | 0.859 | 1.0   | 109   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.504 | 0.506 | -0.4  | 106   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 104   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.311 | 0.340 | -9.3  | 109   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.447 | 0.447 | 0.0   | 103   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.141 | 0.135 | 4.3   | 100   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.446 | 0.475 | -6.5  | 112   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.551 | 0.550 | 0.2   | 99    | 0.00     |
| 40 TM | Benzene                     | 1.303 | 1.285 | 1.4   | 102   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.082 | 0.077 | 6.1   | 90    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.341 | 0.350 | -2.6  | 107   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.270 | 0.267 | 1.1   | 101   | 0.00     |
| 44 TM | Trichloroethene             | 0.362 | 0.376 | -3.9  | 109   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.312 | 0.307 | 1.6#  | 103   | 0.00     |
| 46 T  | Dibromomethane              | 0.177 | 0.181 | -2.3  | 106   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.455 | 0.466 | -2.4  | 108   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.137 | 0.137 | 0.0   | 100   | 0.00     |

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 ALS Vial : 2 Sample Multiplier: 1

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 LabSampleId :  
 VSTDCCC050

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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) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.002 | 0.002 | 0.0   | 111   | 0.00     |
| 50 S  | Toluene-d8                  | 1.199 | 1.285 | -7.2  | 104   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.141 | 0.138 | 2.1   | 101   | 0.00     |
| 52 CM | Toluene                     | 0.825 | 0.855 | -3.6# | 105   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.418 | 0.415 | 0.7   | 103   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.497 | 0.501 | -0.8  | 105   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.249 | 0.251 | -0.8  | 108   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.269 | 0.277 | -3.0  | 101   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.407 | 0.414 | -1.7  | 104   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.137 | 0.155 | -13.1 | 111   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.094 | 0.097 | -3.2  | 103   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.309 | 0.322 | -4.2  | 109   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.241 | 0.250 | -3.7  | 109   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.389 | 0.417 | -7.2  | 106   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 108   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.324 | 0.331 | -2.2  | 108   | 0.00     |
| 65 PM | Chlorobenzene               | 0.984 | 1.000 | -1.6  | 107   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.354 | 0.373 | -5.4  | 112   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.717 | 1.735 | -1.0# | 105   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.669 | 0.680 | -1.6  | 106   | 0.00     |
| 69 T  | o-Xylene                    | 0.620 | 0.616 | 0.6   | 103   | 0.00     |
| 70 T  | Styrene                     | 1.065 | 1.105 | -3.8  | 106   | 0.00     |
| 71 P  | Bromoform                   | 0.187 | 0.195 | -4.3  | 109   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 107   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.435 | 3.416 | 0.6   | 105   | 0.00     |
| 74 T  | N-amyl acetate              | 0.573 | 0.543 | 5.2   | 98    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.607 | 0.601 | 1.0   | 108   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.416 | 0.396 | 4.8   | 108   | 0.00     |
| 77 T  | Bromobenzene                | 0.806 | 0.814 | -1.0  | 108   | 0.00     |
| 78 T  | n-propylbenzene             | 4.090 | 4.099 | -0.2  | 105   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.232 | 2.255 | -1.0  | 108   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.778 | 2.875 | -3.5  | 109   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.183 | 0.176 | 3.8   | 99    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.385 | 2.383 | 0.1   | 106   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.368 | 2.377 | -0.4  | 104   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.870 | 2.852 | 0.6   | 102   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.442 | 3.382 | 1.7   | 102   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.132 | 3.147 | -0.5  | 104   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.607 | 1.592 | 0.9   | 106   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.580 | 1.552 | 1.8   | 106   | 0.00     |
| 89 T  | n-Butylbenzene              | 2.974 | 2.908 | 2.2   | 100   | 0.00     |
| 90 T  | Hexachloroethane            | 0.564 | 0.588 | -4.3  | 128   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.365 | 1.365 | 0.0   | 108   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.087 | 0.086 | 1.1   | 104   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.887 | 0.875 | 1.4   | 106   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.506 | 0.509 | -0.6  | 105   | 0.00     |
| 95 T  | Naphthalene                 | 1.553 | 1.580 | -1.7  | 104   | 0.00     |

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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 | 0.755 | 0.772 | -2.3 | 106   | 0.00     |

(#) = Out of Range

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