

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD112122\  
 Data File : VD074998.D  
 Acq On : 21 Nov 2022 12:05  
 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: Nov 22 00:17:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D111122S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 14 00:51:58 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   | 105   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.374 | 0.314 | 16.0  | 101   | 0.00     |
| 3 P   | Chloromethane               | 0.589 | 0.560 | 4.9   | 107   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.701 | 0.662 | 5.6#  | 103   | 0.00     |
| 5 T   | Bromomethane                | 0.573 | 0.480 | 16.2  | 100   | 0.00     |
| 6 T   | Chloroethane                | 0.515 | 0.489 | 5.0   | 105   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.799 | 0.801 | -0.3  | 112   | 0.00     |
| 8 T   | Diethyl Ether               | 0.229 | 0.236 | -3.1  | 110   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.510 | 0.514 | -0.8  | 111   | 0.00     |
| 10 T  | Methyl Iodide               | 0.524 | 0.483 | 7.8   | 90    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.028 | 0.025 | 10.7  | 116   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.497 | 0.499 | -0.4# | 108   | 0.00     |
| 13 T  | Acrolein                    | 0.016 | 0.014 | 12.5  | 108   | 0.00     |
| 14 T  | Allyl chloride              | 0.531 | 0.567 | -6.8  | 112   | 0.00     |
| 15 T  | Acrylonitrile               | 0.090 | 0.094 | -4.4  | 111   | 0.00     |
| 16 T  | Acetone                     | 0.083 | 0.099 | -19.3 | 129   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.413 | 1.278 | 9.6   | 99    | 0.00     |
| 18 T  | Methyl Acetate              | 0.243 | 0.212 | 12.8  | 110   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 0.994 | 1.033 | -3.9  | 108   | 0.00     |
| 20 T  | Methylene Chloride          | 1.099 | 0.700 | 36.3# | 102   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.563 | 0.559 | 0.7   | 105   | 0.00     |
| 22 T  | Diisopropyl ether           | 1.184 | 1.277 | -7.9  | 108   | 0.00     |
| 23 T  | Vinyl Acetate               | 0.508 | 0.610 | -20.1 | 119   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.884 | 0.913 | -3.3  | 109   | 0.00     |
| 25 T  | 2-Butanone                  | 0.108 | 0.117 | -8.3  | 118   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.831 | 0.855 | -2.9  | 113   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.625 | 0.645 | -3.2  | 109   | 0.00     |
| 28 T  | Bromochloromethane          | 0.285 | 0.290 | -1.8  | 107   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.060 | 0.062 | -3.3  | 107   | 0.00     |
| 30 C  | Chloroform                  | 0.968 | 0.991 | -2.4# | 109   | 0.00     |
| 31 T  | Cyclohexane                 | 0.729 | 0.702 | 3.7   | 107   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.834 | 0.853 | -2.3  | 107   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.389 | 0.356 | 8.5   | 107   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 119   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.308 | 0.284 | 7.8   | 109   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.453 | 0.444 | 2.0   | 110   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.152 | 0.145 | 4.6   | 106   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.426 | 0.424 | 0.5   | 111   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.485 | 0.478 | 1.4   | 110   | 0.00     |
| 40 TM | Benzene                     | 1.303 | 1.317 | -1.1  | 109   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.081 | 0.088 | -8.6  | 123   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.312 | 0.306 | 1.9   | 105   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.268 | 0.268 | 0.0   | 112   | 0.00     |
| 44 TM | Trichloroethene             | 0.344 | 0.375 | -9.0  | 125   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.293 | 0.276 | 5.8#  | 106   | 0.00     |
| 46 T  | Dibromomethane              | 0.164 | 0.148 | 9.8   | 105   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.407 | 0.376 | 7.6   | 105   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.119 | 0.113 | 5.0   | 106   | 0.00     |

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 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 22 00:17:16 2022  
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 Quant Title : SW846 8260  
 QLast Update : Mon Nov 14 00:51:58 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) |
|-------|-----------------------------|-------|-------|--------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.002 | 0.002 | 0.0    | 107   | 0.00     |
| 50 S  | Toluene-d8                  | 1.015 | 0.849 | 16.4   | 100   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.128 | 0.123 | 3.9    | 104   | 0.00     |
| 52 CM | Toluene                     | 0.779 | 0.735 | 5.6#   | 101   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.359 | 0.350 | 2.5    | 108   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.441 | 0.423 | 4.1    | 105   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.228 | 0.212 | 7.0    | 103   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.246 | 0.234 | 4.9    | 101   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.366 | 0.346 | 5.5    | 105   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.085 | 0.098 | -15.3  | 128   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.089 | 0.090 | -1.1   | 109   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.270 | 0.246 | 8.9    | 100   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.213 | 0.194 | 8.9    | 102   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.312 | 0.280 | 10.3   | 102   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 98    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.335 | 0.338 | -0.9   | 101   | 0.00     |
| 65 PM | Chlorobenzene               | 0.978 | 1.053 | -7.7   | 104   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.343 | 0.374 | -9.0   | 107   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.704 | 1.884 | -10.6# | 105   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.679 | 0.740 | -9.0   | 102   | 0.00     |
| 69 T  | o-Xylene                    | 0.625 | 0.693 | -10.9  | 102   | 0.00     |
| 70 T  | Styrene                     | 1.072 | 1.193 | -11.3  | 102   | 0.00     |
| 71 P  | Bromoform                   | 0.177 | 0.188 | -6.2   | 102   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 94    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.441 | 3.939 | -14.5  | 104   | 0.00     |
| 74 T  | N-amyl acetate              | 0.566 | 0.621 | -9.7   | 100   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.609 | 0.669 | -9.9   | 105   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.418 | 0.387 | 7.4    | 92    | 0.00     |
| 77 T  | Bromobenzene                | 0.805 | 0.862 | -7.1   | 101   | 0.00     |
| 78 T  | n-propylbenzene             | 4.230 | 4.794 | -13.3  | 104   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.279 | 2.578 | -13.1  | 105   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.868 | 3.222 | -12.3  | 102   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.170 | 0.194 | -14.1  | 111   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.374 | 2.683 | -13.0  | 105   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.488 | 2.805 | -12.7  | 105   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.836 | 3.202 | -12.9  | 104   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.785 | 4.347 | -14.8  | 107   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.147 | 3.569 | -13.4  | 103   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.675 | 1.792 | -7.0   | 102   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.663 | 1.777 | -6.9   | 103   | 0.00     |
| 89 T  | n-Butylbenzene              | 2.922 | 3.376 | -15.5  | 106   | 0.00     |
| 90 T  | Hexachloroethane            | 0.564 | 0.630 | -11.7  | 105   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.425 | 1.532 | -7.5   | 102   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.084 | 0.088 | -4.8   | 102   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.867 | 0.961 | -10.8  | 105   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.447 | 0.488 | -9.2   | 107   | 0.00     |
| 95 T  | Naphthalene                 | 1.610 | 1.757 | -9.1   | 101   | 0.00     |

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Quant Title : SW846 8260  
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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 | 0.750 | 0.820 | -9.3 | 103   | 0.00     |

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