

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD071723\  
 Data File : VD076745.D  
 Acq On : 17 Jul 2023 10:19  
 Operator : KP/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 18 01:21:51 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071423S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 17 08:07:52 2023  
 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   | 122   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.391 | 0.373 | 4.6   | 116   | 0.00     |
| 3 P   | Chloromethane               | 0.674 | 0.574 | 14.8  | 102   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.899 | 0.842 | 6.3#  | 113   | 0.00     |
| 5 T   | Bromomethane                | 0.740 | 0.658 | 11.1  | 114   | 0.00     |
| 6 T   | Chloroethane                | 0.679 | 0.629 | 7.4   | 112   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.800 | 0.777 | 2.9   | 122   | 0.00     |
| 8 T   | Diethyl Ether               | 0.275 | 0.270 | 1.8   | 109   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.526 | 0.518 | 1.5   | 122   | 0.00     |
| 10 T  | Methyl Iodide               | 0.593 | 0.587 | 1.0   | 112   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.037 | 0.035 | 5.4   | 113   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.494 | 0.477 | 3.4#  | 118   | 0.00     |
| 13 T  | Acrolein                    | 0.025 | 0.022 | 12.0  | 118   | 0.00     |
| 14 T  | Allyl chloride              | 0.649 | 0.608 | 6.3   | 110   | 0.00     |
| 15 T  | Acrylonitrile               | 0.135 | 0.122 | 9.6   | 105   | 0.00     |
| 16 T  | Acetone                     | 0.119 | 0.126 | -5.9  | 125   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.154 | 1.116 | 3.3   | 113   | 0.00     |
| 18 T  | Methyl Acetate              | 0.447 | 0.393 | 12.1  | 103   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.325 | 1.256 | 5.2   | 109   | 0.00     |
| 20 T  | Methylene Chloride          | 0.984 | 0.616 | 37.4# | 102   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.574 | 0.533 | 7.1   | 108   | 0.00     |
| 22 T  | Diisopropyl ether           | 1.537 | 1.498 | 2.5   | 113   | 0.00     |
| 23 T  | Vinyl Acetate               | 0.760 | 0.723 | 4.9   | 108   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.036 | 1.012 | 2.3   | 115   | 0.00     |
| 25 T  | 2-Butanone                  | 0.159 | 0.161 | -1.3  | 115   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.893 | 0.923 | -3.4  | 126   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.708 | 0.703 | 0.7   | 118   | 0.00     |
| 28 T  | Bromochloromethane          | 0.259 | 0.225 | 13.1  | 112   | -0.01    |
| 29 T  | Tetrahydrofuran             | 0.094 | 0.090 | 4.3   | 114   | 0.00     |
| 30 C  | Chloroform                  | 1.135 | 1.155 | -1.8# | 125   | 0.00     |
| 31 T  | Cyclohexane                 | 0.733 | 0.730 | 0.4   | 131   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.916 | 0.967 | -5.6  | 126   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.498 | 0.431 | 13.5  | 112   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 115   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.314 | 0.296 | 5.7   | 117   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.411 | 0.454 | -10.5 | 127   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.184 | 0.179 | 2.7   | 103   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.393 | 0.465 | -18.3 | 136   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.474 | 0.532 | -12.2 | 128   | 0.00     |
| 40 TM | Benzene                     | 1.295 | 1.388 | -7.2  | 123   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.112 | 0.116 | -3.6  | 119   | -0.01    |
| 42 TM | 1,2-Dichloroethane          | 0.337 | 0.353 | -4.7  | 117   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.358 | 0.366 | -2.2  | 113   | 0.00     |
| 44 TM | Trichloroethene             | 0.353 | 0.390 | -10.5 | 125   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.334 | 0.356 | -6.6# | 114   | 0.00     |
| 46 T  | Dibromomethane              | 0.196 | 0.210 | -7.1  | 115   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.491 | 0.525 | -6.9  | 117   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.163 | 0.159 | 2.5   | 104   | 0.00     |

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 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071423S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 17 08:07:52 2023  
 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                 | 0.003 | 0.002 | 33.3# | 113   | 0.00     |
| 50 S  | Toluene-d8                  | 1.124 | 1.028 | 8.5   | 112   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.191 | 0.193 | -1.0  | 107   | 0.00     |
| 52 CM | Toluene                     | 0.851 | 0.918 | -7.9# | 119   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.456 | 0.488 | -7.0  | 114   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.537 | 0.575 | -7.1  | 116   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.286 | 0.301 | -5.2  | 114   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.330 | 0.345 | -4.5  | 109   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.465 | 0.483 | -3.9  | 115   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.128 | 0.120 | 6.3   | 107   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.136 | 0.145 | -6.6  | 113   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.332 | 0.357 | -7.5  | 116   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.265 | 0.276 | -4.2  | 110   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.364 | 0.336 | 7.7   | 110   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 107   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.285 | 0.326 | -14.4 | 125   | 0.00     |
| 65 PM | Chlorobenzene               | 1.006 | 1.084 | -7.8  | 116   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.374 | 0.409 | -9.4  | 119   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.766 | 1.924 | -8.9# | 117   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.678 | 0.753 | -11.1 | 119   | 0.00     |
| 69 T  | o-Xylene                    | 0.656 | 0.716 | -9.1  | 116   | 0.00     |
| 70 T  | Styrene                     | 1.148 | 1.250 | -8.9  | 115   | 0.00     |
| 71 P  | Bromoform                   | 0.205 | 0.229 | -11.7 | 117   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 104   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.628 | 4.115 | -13.4 | 119   | 0.00     |
| 74 T  | N-amyl acetate              | 0.764 | 0.819 | -7.2  | 112   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.779 | 0.814 | -4.5  | 108   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.475 | 0.434 | 8.6   | 93    | 0.00     |
| 77 T  | Bromobenzene                | 0.837 | 0.932 | -11.4 | 115   | 0.00     |
| 78 T  | n-propylbenzene             | 4.398 | 5.048 | -14.8 | 120   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.411 | 2.712 | -12.5 | 117   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.933 | 3.385 | -15.4 | 119   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.223 | 0.248 | -11.2 | 110   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.519 | 2.873 | -14.1 | 117   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.583 | 3.005 | -16.3 | 119   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.997 | 3.399 | -13.4 | 116   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.946 | 4.528 | -14.7 | 120   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.259 | 3.759 | -15.3 | 119   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.722 | 1.937 | -12.5 | 116   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.687 | 1.884 | -11.7 | 117   | 0.00     |
| 89 T  | n-Butylbenzene              | 3.189 | 3.576 | -12.1 | 118   | 0.00     |
| 90 T  | Hexachloroethane            | 0.602 | 0.710 | -17.9 | 121   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.518 | 1.672 | -10.1 | 114   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.111 | 0.111 | 0.0   | 109   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.927 | 1.051 | -13.4 | 118   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.446 | 0.501 | -12.3 | 119   | 0.00     |
| 95 T  | Naphthalene                 | 2.006 | 2.185 | -8.9  | 110   | 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 | 0.831 | 0.934 | -12.4 | 118   | 0.00     |

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