

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060623\  
 Data File : VD076331.D  
 Acq On : 06 Jun 2023 09:59  
 Operator : KP/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 07 06:09:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060523S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 06 02:52:23 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   | 107   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.484 | 0.415 | 14.3  | 100   | 0.00     |
| 3 P   | Chloromethane               | 0.930 | 0.833 | 10.4  | 100   | 0.00     |
| 4 C   | Vinyl Chloride              | 1.221 | 1.098 | 10.1# | 100   | 0.00     |
| 5 T   | Bromomethane                | 0.792 | 0.744 | 6.1   | 104   | 0.00     |
| 6 T   | Chloroethane                | 0.818 | 0.765 | 6.5   | 101   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.811 | 0.740 | 8.8   | 105   | 0.00     |
| 8 T   | Diethyl Ether               | 0.264 | 0.258 | 2.3   | 104   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.519 | 0.486 | 6.4   | 105   | 0.00     |
| 10 T  | Methyl Iodide               | 0.722 | 0.719 | 0.4   | 98    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.025 | 0.023 | 8.0   | 100   | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 0.551 | 0.532 | 3.4#  | 105   | 0.00     |
| 13 T  | Acrolein                    | 0.054 | 0.054 | 0.0   | 106   | 0.00     |
| 14 T  | Allyl chloride              | 0.541 | 0.539 | 0.4   | 105   | 0.00     |
| 15 T  | Acrylonitrile               | 0.106 | 0.104 | 1.9   | 102   | 0.00     |
| 16 T  | Acetone                     | 0.082 | 0.095 | -15.9 | 113   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.836 | 1.729 | 5.8   | 103   | 0.00     |
| 18 T  | Methyl Acetate              | 0.348 | 0.323 | 7.2   | 100   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.014 | 1.044 | -3.0  | 103   | 0.00     |
| 20 T  | Methylene Chloride          | 0.782 | 0.640 | 18.2  | 97    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.638 | 0.620 | 2.8   | 102   | 0.00     |
| 22 T  | Diisopropyl ether           | 1.203 | 1.240 | -3.1  | 102   | 0.00     |
| 23 T  | Vinyl Acetate               | 0.453 | 0.501 | -10.6 | 104   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.983 | 0.940 | 4.4   | 102   | 0.00     |
| 25 T  | 2-Butanone                  | 0.114 | 0.115 | -0.9  | 106   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.814 | 0.779 | 4.3   | 108   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.689 | 0.672 | 2.5   | 101   | 0.00     |
| 28 T  | Bromochloromethane          | 0.264 | 0.234 | 11.4  | 102   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.067 | 0.065 | 3.0   | 98    | 0.00     |
| 30 C  | Chloroform                  | 1.031 | 0.987 | 4.3#  | 101   | 0.00     |
| 31 T  | Cyclohexane                 | 0.752 | 0.694 | 7.7   | 105   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.821 | 0.784 | 4.5   | 104   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.448 | 0.427 | 4.7   | 99    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 106   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.317 | 0.317 | 0.0   | 105   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.456 | 0.449 | 1.5   | 103   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.150 | 0.147 | 2.0   | 100   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.400 | 0.384 | 4.0   | 103   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.521 | 0.520 | 0.2   | 104   | 0.00     |
| 40 TM | Benzene                     | 1.443 | 1.426 | 1.2   | 102   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.077 | 0.078 | -1.3  | 117   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.333 | 0.319 | 4.2   | 99    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.270 | 0.269 | 0.4   | 103   | 0.00     |
| 44 TM | Trichloroethene             | 0.403 | 0.392 | 2.7   | 101   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.339 | 0.331 | 2.4#  | 100   | 0.00     |
| 46 T  | Dibromomethane              | 0.192 | 0.186 | 3.1   | 99    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.449 | 0.447 | 0.4   | 100   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.122 | 0.126 | -3.3  | 98    | 0.00     |

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 ALS Vial : 2 Sample Multiplier: 1

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 LabSampleId :  
 VSTDCCC050

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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   | 94    | 0.00     |
| 50 S  | Toluene-d8                  | 1.264 | 1.304 | -3.2  | 105   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.142 | 0.141 | 0.7   | 101   | 0.00     |
| 52 CM | Toluene                     | 0.887 | 0.900 | -1.5# | 101   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.417 | 0.412 | 1.2   | 101   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.515 | 0.524 | -1.7  | 102   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.271 | 0.263 | 3.0   | 102   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.277 | 0.287 | -3.6  | 102   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.431 | 0.422 | 2.1   | 99    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.116 | 0.117 | -0.9  | 104   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.098 | 0.107 | -9.2  | 109   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.308 | 0.300 | 2.6   | 101   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.247 | 0.245 | 0.8   | 101   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.335 | 0.349 | -4.2  | 105   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 103   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.358 | 0.351 | 2.0   | 102   | 0.00     |
| 65 PM | Chlorobenzene               | 1.071 | 1.064 | 0.7   | 104   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.360 | 0.357 | 0.8   | 102   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.726 | 1.769 | -2.5# | 102   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.714 | 0.730 | -2.2  | 101   | 0.00     |
| 69 T  | o-Xylene                    | 0.643 | 0.668 | -3.9  | 102   | 0.00     |
| 70 T  | Styrene                     | 1.103 | 1.162 | -5.3  | 102   | 0.00     |
| 71 P  | Bromoform                   | 0.194 | 0.193 | 0.5   | 99    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 103   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.201 | 3.313 | -3.5  | 101   | 0.00     |
| 74 T  | N-amyl acetate              | 0.549 | 0.547 | 0.4   | 98    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.641 | 0.619 | 3.4   | 98    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.467 | 0.497 | -6.4  | 119   | 0.00     |
| 77 T  | Bromobenzene                | 0.842 | 0.869 | -3.2  | 100   | 0.00     |
| 78 T  | n-propylbenzene             | 3.957 | 4.131 | -4.4  | 102   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.159 | 2.211 | -2.4  | 102   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.639 | 2.772 | -5.0  | 102   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.195 | 0.205 | -5.1  | 105   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.298 | 2.377 | -3.4  | 103   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.213 | 2.284 | -3.2  | 102   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.636 | 2.787 | -5.7  | 101   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.404 | 3.513 | -3.2  | 103   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 2.822 | 2.978 | -5.5  | 104   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.697 | 1.723 | -1.5  | 102   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.718 | 1.693 | 1.5   | 101   | 0.00     |
| 89 T  | n-Butylbenzene              | 2.623 | 2.724 | -3.9  | 105   | 0.00     |
| 90 T  | Hexachloroethane            | 0.567 | 0.558 | 1.6   | 104   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.473 | 1.473 | 0.0   | 99    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.085 | 0.078 | 8.2   | 95    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.856 | 0.909 | -6.2  | 104   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.419 | 0.419 | 0.0   | 105   | 0.00     |
| 95 T  | Naphthalene                 | 1.600 | 1.671 | -4.4  | 100   | 0.00     |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 0.757 | 0.784 | -3.6 | 99    | 0.00     |

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