

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051624\  
 Data File : VD078954.D  
 Acq On : 16 May 2024 19:06  
 Operator : RP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 17 06:13:13 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051324S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 14 06:21:28 2024  
 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   | 89    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.467 | 0.419 | 10.3  | 94    | 0.00     |
| 3 P   | Chloromethane               | 0.712 | 0.628 | 11.8  | 95    | 0.00     |
| 4 C   | Vinyl Chloride              | 1.077 | 1.006 | 6.6#  | 100   | 0.00     |
| 5 T   | Bromomethane                | 1.041 | 0.863 | 17.1  | 95    | 0.00     |
| 6 T   | Chloroethane                | 0.894 | 0.833 | 6.8   | 97    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.979 | 0.781 | 20.2  | 79    | 0.00     |
| 8 T   | Diethyl Ether               | 0.246 | 0.217 | 11.8  | 98    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.517 | 0.483 | 6.6   | 96    | 0.00     |
| 10 T  | Methyl Iodide               | 0.618 | 0.592 | 4.2   | 92    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.022 | 0.020 | 9.1   | 96    | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 0.506 | 0.473 | 6.5#  | 97    | 0.00     |
| 13 T  | Acrolein                    | 0.047 | 0.040 | 14.9  | 75    | 0.00     |
| 14 T  | Allyl chloride              | 0.494 | 0.481 | 2.6   | 97    | 0.00     |
| 15 T  | Acrylonitrile               | 0.091 | 0.089 | 2.2   | 100   | 0.00     |
| 16 T  | Acetone                     | 0.075 | 0.066 | 12.0  | 78    | -0.01    |
| 17 T  | Carbon Disulfide            | 1.628 | 1.349 | 17.1  | 90    | 0.00     |
| 18 T  | Methyl Acetate              | 0.172 | 0.196 | -14.0 | 118   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 0.986 | 0.987 | -0.1  | 96    | 0.00     |
| 20 T  | Methylene Chloride          | 0.773 | 0.675 | 12.7  | 108   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.564 | 0.535 | 5.1   | 96    | -0.01    |
| 22 T  | Diisopropyl ether           | 1.117 | 1.167 | -4.5  | 98    | 0.00     |
| 23 T  | Vinyl Acetate               | 0.670 | 0.655 | 2.2   | 93    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.886 | 0.855 | 3.5   | 98    | 0.00     |
| 25 T  | 2-Butanone                  | 0.100 | 0.092 | 8.0   | 86    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.778 | 0.719 | 7.6   | 96    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.662 | 0.655 | 1.1   | 99    | 0.00     |
| 28 T  | Bromochloromethane          | 0.295 | 0.348 | -18.0 | 112   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.058 | 0.058 | 0.0   | 99    | 0.00     |
| 30 C  | Chloroform                  | 1.003 | 0.970 | 3.3#  | 99    | 0.00     |
| 31 T  | Cyclohexane                 | 0.685 | 0.586 | 14.5  | 90    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.859 | 0.820 | 4.5   | 98    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.469 | 0.487 | -3.8  | 101   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.333 | 0.339 | -1.8  | 100   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.414 | 0.391 | 5.6   | 97    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.141 | 0.129 | 8.5   | 95    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.485 | 0.438 | 9.7   | 93    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.503 | 0.478 | 5.0   | 96    | 0.00     |
| 40 TM | Benzene                     | 1.340 | 1.268 | 5.4   | 96    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.076 | 0.069 | 9.2   | 100   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.324 | 0.306 | 5.6   | 99    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.250 | 0.244 | 2.4   | 95    | 0.00     |
| 44 TM | Trichloroethene             | 0.355 | 0.329 | 7.3   | 98    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.294 | 0.289 | 1.7#  | 100   | 0.00     |
| 46 T  | Dibromomethane              | 0.194 | 0.183 | 5.7   | 100   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.466 | 0.451 | 3.2   | 99    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.122 | 0.124 | -1.6  | 106   | 0.00     |

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 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 17 06:13:13 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051324S.M  
 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) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.002 | 0.002 | 0.0   | 85    | -0.01    |
| 50 S  | Toluene-d8                  | 1.248 | 1.339 | -7.3  | 100   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.133 | 0.133 | 0.0   | 97    | 0.00     |
| 52 CM | Toluene                     | 0.858 | 0.850 | 0.9#  | 100   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.396 | 0.398 | -0.5  | 101   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.476 | 0.471 | 1.1   | 98    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.250 | 0.244 | 2.4   | 100   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.258 | 0.267 | -3.5  | 97    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.390 | 0.392 | -0.5  | 101   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.111 | 0.118 | -6.3  | 95    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.093 | 0.096 | -3.2  | 92    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.341 | 0.339 | 0.6   | 99    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.228 | 0.233 | -2.2  | 100   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.351 | 0.412 | -17.4 | 111   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 98    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.317 | 0.281 | 11.4  | 101   | 0.00     |
| 65 PM | Chlorobenzene               | 1.040 | 0.970 | 6.7   | 104   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.360 | 0.338 | 6.1   | 107   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.673 | 1.594 | 4.7#  | 104   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.680 | 0.655 | 3.7   | 102   | 0.00     |
| 69 T  | o-Xylene                    | 0.620 | 0.619 | 0.2   | 103   | 0.00     |
| 70 T  | Styrene                     | 1.099 | 1.095 | 0.4   | 104   | 0.00     |
| 71 P  | Bromoform                   | 0.206 | 0.192 | 6.8   | 105   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 73 T  | Isopropylbenzene            | 2.984 | 2.984 | 0.0   | 106   | 0.00     |
| 74 T  | N-amyl acetate              | 0.484 | 0.459 | 5.2   | 99    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.538 | 0.496 | 7.8   | 102   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.352 | 0.313 | 11.1  | 81    | 0.00     |
| 77 T  | Bromobenzene                | 0.785 | 0.754 | 3.9   | 106   | 0.00     |
| 78 T  | n-propylbenzene             | 3.607 | 3.501 | 2.9   | 102   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.005 | 1.931 | 3.7   | 104   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.479 | 2.461 | 0.7   | 104   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.178 | 0.171 | 3.9   | 103   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.103 | 2.031 | 3.4   | 102   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.193 | 2.241 | -2.2  | 106   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.568 | 2.549 | 0.7   | 106   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.271 | 3.262 | 0.3   | 105   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 2.850 | 2.858 | -0.3  | 107   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.661 | 1.552 | 6.6   | 103   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.626 | 1.493 | 8.2   | 101   | 0.00     |
| 89 T  | n-Butylbenzene              | 2.554 | 2.565 | -0.4  | 108   | 0.00     |
| 90 T  | Hexachloroethane            | 0.601 | 0.556 | 7.5   | 104   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.389 | 1.308 | 5.8   | 101   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.072 | 0.074 | -2.8  | 107   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.816 | 0.875 | -7.2  | 117   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.426 | 0.405 | 4.9   | 109   | 0.00     |
| 95 T  | Naphthalene                 | 1.390 | 1.667 | -19.9 | 126   | 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 | 0.726 | 0.759 | -4.5 | 118   | 0.00     |

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