

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031124\  
 Data File : VD078631.D  
 Acq On : 11 Mar 2024 17:12  
 Operator : RP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 12 01:39:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D030124S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 02 03:50:17 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   | 100   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.449 | 0.358 | 20.3  | 93    | 0.00     |
| 3 P   | Chloromethane               | 0.808 | 0.697 | 13.7  | 95    | 0.00     |
| 4 C   | Vinyl Chloride              | 1.229 | 1.100 | 10.5# | 96    | 0.00     |
| 5 T   | Bromomethane                | 0.982 | 0.773 | 21.3  | 90    | 0.00     |
| 6 T   | Chloroethane                | 0.911 | 0.834 | 8.5   | 99    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.831 | 0.757 | 8.9   | 101   | 0.00     |
| 8 T   | Diethyl Ether               | 0.233 | 0.224 | 3.9   | 105   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.524 | 0.472 | 9.9   | 99    | 0.00     |
| 10 T  | Methyl Iodide               | 0.548 | 0.488 | 10.9  | 88    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.026 | 0.023 | 11.5  | 108   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.489 | 0.464 | 5.1#  | 99    | 0.00     |
| 13 T  | Acrolein                    | 0.049 | 0.029 | 40.8# | 59    | 0.00     |
| 14 T  | Allyl chloride              | 0.557 | 0.514 | 7.7   | 97    | 0.00     |
| 15 T  | Acrylonitrile               | 0.096 | 0.092 | 4.2   | 104   | 0.00     |
| 16 T  | Acetone                     | 0.095 | 0.084 | 11.6  | 97    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.629 | 1.390 | 14.7  | 92    | 0.00     |
| 18 T  | Methyl Acetate              | 0.180 | 0.200 | -11.1 | 104   | -0.01    |
| 19 T  | Methyl tert-butyl Ether     | 0.994 | 1.011 | -1.7  | 107   | -0.01    |
| 20 T  | Methylene Chloride          | 0.952 | 0.621 | 34.8# | 94    | -0.01    |
| 21 T  | trans-1,2-Dichloroethene    | 0.588 | 0.539 | 8.3   | 97    | -0.01    |
| 22 T  | Diisopropyl ether           | 1.249 | 1.226 | 1.8   | 101   | -0.01    |
| 23 T  | Vinyl Acetate               | 0.742 | 0.710 | 4.3   | 99    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.943 | 0.878 | 6.9   | 97    | 0.00     |
| 25 T  | 2-Butanone                  | 0.120 | 0.114 | 5.0   | 105   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.797 | 0.736 | 7.7   | 99    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.643 | 0.624 | 3.0   | 102   | 0.00     |
| 28 T  | Bromochloromethane          | 0.352 | 0.341 | 3.1   | 94    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.067 | 0.067 | 0.0   | 106   | 0.00     |
| 30 C  | Chloroform                  | 1.019 | 0.971 | 4.7#  | 102   | 0.00     |
| 31 T  | Cyclohexane                 | 0.776 | 0.683 | 12.0  | 96    | -0.01    |
| 32 T  | 1,1,1-Trichloroethane       | 0.874 | 0.851 | 2.6   | 104   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.496 | 0.466 | 6.0   | 105   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 103   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.325 | 0.328 | -0.9  | 109   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.450 | 0.427 | 5.1   | 98    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.146 | 0.122 | 16.4  | 87    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.471 | 0.452 | 4.0   | 102   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.528 | 0.513 | 2.8   | 95    | 0.00     |
| 40 TM | Benzene                     | 1.334 | 1.279 | 4.1   | 99    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.078 | 0.069 | 11.5  | 88    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.338 | 0.313 | 7.4   | 100   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.280 | 0.262 | 6.4   | 104   | 0.00     |
| 44 TM | Trichloroethene             | 0.366 | 0.353 | 3.6   | 104   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.320 | 0.304 | 5.0#  | 99    | 0.00     |
| 46 T  | Dibromomethane              | 0.185 | 0.181 | 2.2   | 104   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.456 | 0.443 | 2.9   | 104   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.127 | 0.127 | 0.0   | 108   | 0.00     |

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 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

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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) |
|-------|-----------------------------|-------|-------|------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.002 | 0.002 | 0.0  | 111   | 0.00     |
| 50 S  | Toluene-d8                  | 1.264 | 1.265 | -0.1 | 105   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.144 | 0.143 | 0.7  | 106   | 0.00     |
| 52 CM | Toluene                     | 0.856 | 0.836 | 2.3# | 98    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.421 | 0.420 | 0.2  | 106   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.505 | 0.494 | 2.2  | 103   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.260 | 0.249 | 4.2  | 105   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.261 | 0.276 | -5.7 | 109   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.422 | 0.402 | 4.7  | 102   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.118 | 0.127 | -7.6 | 121   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.107 | 0.105 | 1.9  | 105   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.314 | 0.305 | 2.9  | 102   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.239 | 0.238 | 0.4  | 105   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.361 | 0.378 | -4.7 | 109   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0  | 105   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.315 | 0.309 | 1.9  | 102   | 0.00     |
| 65 PM | Chlorobenzene               | 0.985 | 0.946 | 4.0  | 101   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.367 | 0.356 | 3.0  | 106   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.706 | 1.691 | 0.9# | 102   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.690 | 0.693 | -0.4 | 101   | 0.00     |
| 69 T  | o-Xylene                    | 0.626 | 0.634 | -1.3 | 103   | 0.00     |
| 70 T  | Styrene                     | 1.085 | 1.119 | -3.1 | 103   | 0.00     |
| 71 P  | Bromoform                   | 0.195 | 0.192 | 1.5  | 109   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0  | 106   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.170 | 3.022 | 4.7  | 99    | 0.00     |
| 74 T  | N-amyl acetate              | 0.533 | 0.501 | 6.0  | 104   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.607 | 0.541 | 10.9 | 105   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.382 | 0.334 | 12.6 | 101   | 0.00     |
| 77 T  | Bromobenzene                | 0.767 | 0.722 | 5.9  | 102   | 0.00     |
| 78 T  | n-propylbenzene             | 3.877 | 3.799 | 2.0  | 102   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.080 | 2.006 | 3.6  | 101   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.579 | 2.610 | -1.2 | 103   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.178 | 0.169 | 5.1  | 110   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.217 | 2.125 | 4.1  | 102   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.221 | 2.299 | -3.5 | 102   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.636 | 2.598 | 1.4  | 100   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.464 | 3.465 | -0.0 | 101   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 2.916 | 2.975 | -2.0 | 101   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.638 | 1.600 | 2.3  | 104   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.641 | 1.558 | 5.1  | 105   | 0.00     |
| 89 T  | n-Butylbenzene              | 2.726 | 2.738 | -0.4 | 102   | 0.00     |
| 90 T  | Hexachloroethane            | 0.593 | 0.577 | 2.7  | 102   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.391 | 1.344 | 3.4  | 103   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.081 | 0.074 | 8.6  | 113   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.824 | 0.835 | -1.3 | 108   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.453 | 0.461 | -1.8 | 107   | 0.00     |
| 95 T  | Naphthalene                 | 1.456 | 1.515 | -4.1 | 112   | 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 | 0.732 | 0.729 | 0.4  | 107   | 0.00     |

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