

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020824\  
 Data File : VN080976.D  
 Acq On : 08 Feb 2024 20:10  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 09 01:27:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N020624W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 07 06:22:23 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   | 95    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.566 | 0.513 | 9.4   | 81    | 0.00     |
| 3 P   | Chloromethane               | 0.722 | 0.528 | 26.9# | 82    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.740 | 0.691 | 6.6#  | 91    | 0.00     |
| 5 T   | Bromomethane                | 0.476 | 0.342 | 28.2# | 72    | -0.01    |
| 6 T   | Chloroethane                | 0.522 | 0.496 | 5.0   | 98    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.969 | 0.931 | 3.9   | 89    | 0.00     |
| 8 T   | Diethyl Ether               | 0.346 | 0.331 | 4.3   | 90    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.545 | 0.508 | 6.8   | 87    | 0.00     |
| 10 T  | Methyl Iodide               | 0.527 | 0.373 | 29.2# | 63    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.087 | 0.102 | -17.2 | 109   | 0.02     |
| 12 CM | 1,1-Dichloroethene          | 0.536 | 0.498 | 7.1#  | 87    | 0.00     |
| 13 T  | Acrolein                    | 0.110 | 0.106 | 3.6   | 85    | 0.00     |
| 14 T  | Allyl chloride              | 0.710 | 0.723 | -1.8  | 96    | 0.00     |
| 15 T  | Acrylonitrile               | 0.238 | 0.255 | -7.1  | 98    | 0.00     |
| 16 T  | Acetone                     | 0.208 | 0.193 | 7.2   | 96    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.352 | 1.158 | 14.3  | 83    | 0.00     |
| 18 T  | Methyl Acetate              | 0.791 | 0.682 | 13.8  | 102   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.786 | 1.812 | -1.5  | 92    | 0.00     |
| 20 T  | Methylene Chloride          | 0.629 | 0.575 | 8.6   | 90    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.602 | 0.560 | 7.0   | 90    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.646 | 1.628 | 1.1   | 91    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.085 | 1.250 | -15.2 | 94    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.072 | 1.025 | 4.4   | 92    | 0.00     |
| 25 T  | 2-Butanone                  | 0.333 | 0.327 | 1.8   | 98    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.980 | 0.838 | 14.5  | 78    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.699 | 0.695 | 0.6   | 91    | 0.00     |
| 28 T  | Bromochloromethane          | 0.446 | 0.405 | 9.2   | 84    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.204 | 0.219 | -7.4  | 102   | 0.00     |
| 30 C  | Chloroform                  | 1.185 | 1.139 | 3.9#  | 91    | 0.00     |
| 31 T  | Cyclohexane                 | 0.862 | 0.748 | 13.2  | 86    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.027 | 1.026 | 0.1   | 89    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.631 | 0.604 | 4.3   | 81    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 83    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.268 | 0.295 | -10.1 | 89    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.399 | 0.440 | -10.3 | 90    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.302 | 0.369 | -22.2 | 97    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.409 | 0.467 | -14.2 | 89    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.445 | 0.425 | 4.5   | 74    | 0.00     |
| 40 TM | Benzene                     | 1.215 | 1.378 | -13.4 | 84    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.180 | 0.200 | -11.1 | 92    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.423 | 0.458 | -8.3  | 85    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.555 | 0.669 | -20.5 | 90    | 0.00     |
| 44 TM | Trichloroethene             | 0.369 | 0.346 | 6.2   | 78    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.328 | 0.332 | -1.2# | 80    | 0.00     |
| 46 T  | Dibromomethane              | 0.242 | 0.254 | -5.0  | 84    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.474 | 0.500 | -5.5  | 85    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.313 | 0.303 | 3.2   | 84    | 0.00     |

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 ALS Vial : 28 Sample Multiplier: 1

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 LabSampleId :  
 VSTDCCC050

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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) |
|-------|-----------------------------|-------|-------|--------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.006 | 0.007 | -16.7  | 105   | 0.00     |
| 50 S  | Toluene-d8                  | 0.970 | 1.048 | -8.0   | 89    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.335 | 0.401 | -19.7  | 100   | 0.00     |
| 52 CM | Toluene                     | 0.814 | 0.896 | -10.1# | 94    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.459 | 0.508 | -10.7  | 89    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.515 | 0.539 | -4.7   | 86    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.315 | 0.362 | -14.9  | 97    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.376 | 0.527 | -40.2# | 99    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.510 | 0.593 | -16.3  | 97    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.228 | 0.252 | -10.5  | 83    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.254 | 0.296 | -16.5  | 99    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.321 | 0.384 | -19.6  | 93    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.314 | 0.371 | -18.2  | 97    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.353 | 0.399 | -13.0  | 92    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 100   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.377 | 0.331 | 12.2   | 93    | 0.00     |
| 65 PM | Chlorobenzene               | 1.048 | 1.000 | 4.6    | 95    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.378 | 0.373 | 1.3    | 95    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.805 | 1.767 | 2.1#   | 95    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.686 | 0.692 | -0.9   | 97    | 0.00     |
| 69 T  | o-Xylene                    | 0.665 | 0.687 | -3.3   | 97    | 0.00     |
| 70 T  | Styrene                     | 0.999 | 1.144 | -14.5  | 97    | 0.00     |
| 71 P  | Bromoform                   | 0.253 | 0.268 | -5.9   | 96    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 106   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.889 | 3.708 | 4.7    | 96    | 0.00     |
| 74 T  | N-amyl acetate              | 1.402 | 1.372 | 2.1    | 100   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.210 | 1.169 | 3.4    | 104   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.019 | 0.883 | 13.3   | 89    | 0.00     |
| 77 T  | Bromobenzene                | 0.981 | 0.919 | 6.3    | 99    | 0.00     |
| 78 T  | n-propylbenzene             | 4.390 | 4.214 | 4.0    | 96    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.774 | 2.560 | 7.7    | 95    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.161 | 3.062 | 3.1    | 97    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.375 | 0.319 | 14.9   | 76    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.768 | 2.623 | 5.2    | 95    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.694 | 2.569 | 4.6    | 96    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.148 | 3.077 | 2.3    | 96    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.620 | 3.527 | 2.6    | 95    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.060 | 2.925 | 4.4    | 93    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.747 | 1.682 | 3.7    | 99    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.773 | 1.661 | 6.3    | 99    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.703 | 2.411 | 10.8   | 90    | 0.00     |
| 90 T  | Hexachloroethane            | 0.482 | 0.465 | 3.5    | 95    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.674 | 1.638 | 2.2    | 102   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.226 | 0.219 | 3.1    | 103   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.828 | 0.785 | 5.2    | 93    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.359 | 0.324 | 9.7    | 95    | 0.00     |
| 95 T  | Naphthalene                 | 2.734 | 2.992 | -9.4   | 103   | 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 | 0.815 | 0.779 | 4.4  | 94    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6