

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110624\  
 Data File : VN084714.D  
 Acq On : 06 Nov 2024 16:26  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 07 00:21:45 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 31 18:45:38 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    | 94    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.575 | 0.516 | 10.3   | 88    | 0.00     |
| 3 P   | Chloromethane               | 0.952 | 0.577 | 39.4#  | 81    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.618 | 0.551 | 10.8#  | 86    | 0.00     |
| 5 T   | Bromomethane                | 0.328 | 0.300 | 8.5    | 96    | -0.05    |
| 6 T   | Chloroethane                | 0.488 | 0.354 | 27.5#  | 89    | -0.05    |
| 7 T   | Trichlorofluoromethane      | 1.018 | 0.945 | 7.2    | 93    | -0.03    |
| 8 T   | Diethyl Ether               | 0.359 | 0.345 | 3.9    | 92    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.575 | 0.547 | 4.9    | 93    | -0.02    |
| 10 T  | Methyl Iodide               | 0.769 | 0.749 | 2.6    | 96    | -0.02    |
| 11 T  | Tert butyl alcohol          | 0.095 | 0.094 | 1.1    | 103   | 0.01     |
| 12 CM | 1,1-Dichloroethene          | 0.569 | 0.520 | 8.6#   | 91    | -0.02    |
| 13 T  | Acrolein                    | 0.095 | 0.125 | -31.6# | 134   | 0.00     |
| 14 T  | Allyl chloride              | 0.923 | 0.866 | 6.2    | 89    | -0.01    |
| 15 T  | Acrylonitrile               | 0.276 | 0.282 | -2.2   | 98    | 0.00     |
| 16 T  | Acetone                     | 0.238 | 0.227 | 4.6    | 105   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.753 | 1.408 | 19.7   | 83    | -0.02    |
| 18 T  | Methyl Acetate              | 1.172 | 0.718 | 38.7#  | 90    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.745 | 1.782 | -2.1   | 96    | 0.00     |
| 20 T  | Methylene Chloride          | 0.635 | 0.600 | 5.5    | 94    | -0.01    |
| 21 T  | trans-1,2-Dichloroethene    | 0.585 | 0.527 | 9.9    | 88    | -0.01    |
| 22 T  | Diisopropyl ether           | 1.835 | 1.826 | 0.5    | 93    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.265 | 1.298 | -2.6   | 94    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.102 | 1.068 | 3.1    | 95    | -0.01    |
| 25 T  | 2-Butanone                  | 0.337 | 0.354 | -5.0   | 106   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.959 | 0.913 | 4.8    | 92    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.683 | 0.658 | 3.7    | 94    | 0.00     |
| 28 T  | Bromochloromethane          | 0.439 | 0.520 | -18.5  | 96    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.224 | 0.231 | -3.1   | 98    | 0.00     |
| 30 C  | Chloroform                  | 1.121 | 1.100 | 1.9#   | 96    | 0.00     |
| 31 T  | Cyclohexane                 | 0.997 | 0.862 | 13.5   | 87    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.021 | 0.980 | 4.0    | 93    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.722 | 0.663 | 8.2    | 87    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 95    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.338 | 0.316 | 6.5    | 87    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.469 | 0.431 | 8.1    | 91    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.426 | 0.436 | -2.3   | 98    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.525 | 0.509 | 3.0    | 94    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.478 | 0.483 | -1.0   | 90    | 0.00     |
| 40 TM | Benzene                     | 1.507 | 1.422 | 5.6    | 93    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.229 | 0.252 | -10.0  | 97    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.488 | 0.477 | 2.3    | 91    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.927 | 0.771 | 16.8   | 97    | 0.00     |
| 44 TM | Trichloroethene             | 0.348 | 0.327 | 6.0    | 92    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.354 | 0.352 | 0.6#   | 96    | 0.00     |
| 46 T  | Dibromomethane              | 0.250 | 0.242 | 3.2    | 94    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.526 | 0.517 | 1.7    | 94    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.331 | 0.353 | -6.6   | 97    | 0.00     |

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|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.006 | 0.006 | 0.0   | 101   | 0.00     |
| 50 S  | Toluene-d8                  | 1.247 | 1.163 | 6.7   | 85    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.406 | 0.432 | -6.4  | 97    | 0.00     |
| 52 CM | Toluene                     | 0.882 | 0.887 | -0.6# | 94    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.544 | 0.520 | 4.4   | 91    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.576 | 0.558 | 3.1   | 91    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.332 | 0.337 | -1.5  | 97    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.480 | 0.542 | -12.9 | 95    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.570 | 0.571 | -0.2  | 96    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.225 | 0.242 | -7.6  | 88    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.296 | 0.321 | -8.4  | 97    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.378 | 0.396 | -4.8  | 95    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.340 | 0.345 | -1.5  | 98    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.466 | 0.453 | 2.8   | 87    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 94    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.333 | 0.307 | 7.8   | 93    | 0.00     |
| 65 PM | Chlorobenzene               | 1.119 | 1.048 | 6.3   | 93    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.389 | 0.394 | -1.3  | 99    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.867 | 1.859 | 0.4#  | 93    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.707 | 0.719 | -1.7  | 93    | 0.00     |
| 69 T  | o-Xylene                    | 0.661 | 0.709 | -7.3  | 97    | 0.00     |
| 70 T  | Styrene                     | 1.154 | 1.182 | -2.4  | 93    | 0.00     |
| 71 P  | Bromoform                   | 0.293 | 0.303 | -3.4  | 97    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 100   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.504 | 3.357 | 4.2   | 94    | 0.00     |
| 74 T  | N-amyl acetate              | 1.491 | 1.417 | 5.0   | 93    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.170 | 1.044 | 10.8  | 98    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.999 | 0.865 | 13.4  | 98    | 0.00     |
| 77 T  | Bromobenzene                | 0.942 | 0.823 | 12.6  | 94    | 0.00     |
| 78 T  | n-propylbenzene             | 4.106 | 3.841 | 6.5   | 91    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.683 | 2.434 | 9.3   | 93    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.904 | 2.871 | 1.1   | 94    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.421 | 0.379 | 10.0  | 95    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.823 | 2.456 | 13.0  | 91    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.403 | 2.444 | -1.7  | 97    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.997 | 2.928 | 2.3   | 93    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.395 | 3.255 | 4.1   | 92    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 2.784 | 2.757 | 1.0   | 91    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.838 | 1.508 | 18.0  | 91    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.937 | 1.522 | 21.4  | 91    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.605 | 2.274 | 12.7  | 87    | 0.00     |
| 90 T  | Hexachloroethane            | 0.621 | 0.527 | 15.1  | 90    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.766 | 1.532 | 13.3  | 95    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.237 | 0.218 | 8.0   | 101   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.967 | 0.788 | 18.5  | 91    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.425 | 0.347 | 18.4  | 94    | 0.00     |
| 95 T  | Naphthalene                 | 2.894 | 2.554 | 11.7  | 92    | 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 | 0.939 | 0.769 | 18.1 | 92    | 0.00     |

(#) = Out of Range

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