

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020624\  
 Data File : VN080926.D  
 Acq On : 06 Feb 2024 19:21  
 Operator : JC\MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICSVN020624

Quant Time: Feb 07 06:22:40 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   | 98    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.566 | 0.564 | 0.4   | 91    | 0.00     |
| 3 P   | Chloromethane               | 0.722 | 0.596 | 17.5  | 95    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.740 | 0.726 | 1.9#  | 98    | 0.00     |
| 5 T   | Bromomethane                | 0.476 | 0.444 | 6.7   | 97    | 0.00     |
| 6 T   | Chloroethane                | 0.522 | 0.486 | 6.9   | 98    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.969 | 0.923 | 4.7   | 91    | 0.00     |
| 8 T   | Diethyl Ether               | 0.346 | 0.339 | 2.0   | 95    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.545 | 0.513 | 5.9   | 90    | 0.00     |
| 10 T  | Methyl Iodide               | 0.527 | 0.544 | -3.2  | 94    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.087 | 0.094 | -8.0  | 104   | 0.01     |
| 12 CM | 1,1-Dichloroethene          | 0.536 | 0.501 | 6.5#  | 90    | 0.00     |
| 13 T  | Acrolein                    | 0.110 | 0.112 | -1.8  | 92    | 0.00     |
| 14 T  | Allyl chloride              | 0.710 | 0.739 | -4.1  | 101   | 0.00     |
| 15 T  | Acrylonitrile               | 0.238 | 0.246 | -3.4  | 97    | 0.00     |
| 16 T  | Acetone                     | 0.208 | 0.189 | 9.1   | 97    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.352 | 1.242 | 8.1   | 91    | 0.00     |
| 18 T  | Methyl Acetate              | 0.791 | 0.640 | 19.1  | 99    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.786 | 1.794 | -0.4  | 94    | 0.00     |
| 20 T  | Methylene Chloride          | 0.629 | 0.582 | 7.5   | 94    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.602 | 0.562 | 6.6   | 93    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.646 | 1.652 | -0.4  | 95    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.085 | 1.230 | -13.4 | 95    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.072 | 1.021 | 4.8   | 94    | 0.00     |
| 25 T  | 2-Butanone                  | 0.333 | 0.315 | 5.4   | 97    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.980 | 0.911 | 7.0   | 87    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.699 | 0.676 | 3.3   | 92    | 0.00     |
| 28 T  | Bromochloromethane          | 0.446 | 0.435 | 2.5   | 93    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.204 | 0.207 | -1.5  | 99    | 0.00     |
| 30 C  | Chloroform                  | 1.185 | 1.150 | 3.0#  | 95    | 0.00     |
| 31 T  | Cyclohexane                 | 0.862 | 0.752 | 12.8  | 89    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.027 | 1.018 | 0.9   | 91    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.631 | 0.637 | -1.0  | 88    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 88    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.268 | 0.296 | -10.4 | 95    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.399 | 0.431 | -8.0  | 93    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.302 | 0.338 | -11.9 | 94    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.409 | 0.458 | -12.0 | 93    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.445 | 0.418 | 6.1   | 77    | 0.00     |
| 40 TM | Benzene                     | 1.215 | 1.301 | -7.1  | 84    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.180 | 0.198 | -10.0 | 97    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.423 | 0.455 | -7.6  | 89    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.555 | 0.618 | -11.4 | 89    | 0.00     |
| 44 TM | Trichloroethene             | 0.369 | 0.347 | 6.0   | 83    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.328 | 0.323 | 1.5#  | 83    | 0.00     |
| 46 T  | Dibromomethane              | 0.242 | 0.238 | 1.7   | 84    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.474 | 0.478 | -0.8  | 86    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.313 | 0.286 | 8.6   | 84    | 0.00     |

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 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICSVN020624

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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 | 0.006 | 0.0    | 95    | 0.00     |
| 50 S  | Toluene-d8                  | 0.970 | 1.047 | -7.9   | 94    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.335 | 0.374 | -11.6  | 99    | 0.00     |
| 52 CM | Toluene                     | 0.814 | 0.842 | -3.4#  | 94    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.459 | 0.507 | -10.5  | 94    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.515 | 0.531 | -3.1   | 90    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.315 | 0.338 | -7.3   | 96    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.376 | 0.476 | -26.6# | 94    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.510 | 0.555 | -8.8   | 96    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.228 | 0.239 | -4.8   | 84    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.254 | 0.277 | -9.1   | 98    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.321 | 0.367 | -14.3  | 94    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.314 | 0.343 | -9.2   | 95    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.353 | 0.393 | -11.3  | 97    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 102   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.377 | 0.347 | 8.0    | 99    | 0.00     |
| 65 PM | Chlorobenzene               | 1.048 | 0.977 | 6.8    | 95    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.378 | 0.367 | 2.9    | 95    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.805 | 1.755 | 2.8#   | 96    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.686 | 0.681 | 0.7    | 97    | 0.00     |
| 69 T  | o-Xylene                    | 0.665 | 0.667 | -0.3   | 96    | 0.00     |
| 70 T  | Styrene                     | 0.999 | 1.118 | -11.9  | 97    | 0.00     |
| 71 P  | Bromoform                   | 0.253 | 0.261 | -3.2   | 95    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 105   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.889 | 3.722 | 4.3    | 96    | 0.00     |
| 74 T  | N-amyl acetate              | 1.402 | 1.370 | 2.3    | 99    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.210 | 1.142 | 5.6    | 101   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.019 | 1.001 | 1.8    | 100   | 0.00     |
| 77 T  | Bromobenzene                | 0.981 | 0.913 | 6.9    | 97    | 0.00     |
| 78 T  | n-propylbenzene             | 4.390 | 4.241 | 3.4    | 96    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.774 | 2.610 | 5.9    | 96    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.161 | 3.075 | 2.7    | 97    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.375 | 0.355 | 5.3    | 84    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.768 | 2.612 | 5.6    | 94    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.694 | 2.556 | 5.1    | 95    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.148 | 3.103 | 1.4    | 96    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.620 | 3.570 | 1.4    | 95    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.060 | 2.973 | 2.8    | 94    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.747 | 1.678 | 3.9    | 98    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.773 | 1.645 | 7.2    | 97    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.703 | 2.500 | 7.5    | 92    | 0.00     |
| 90 T  | Hexachloroethane            | 0.482 | 0.456 | 5.4    | 93    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.674 | 1.605 | 4.1    | 99    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.226 | 0.216 | 4.4    | 101   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.828 | 0.795 | 4.0    | 93    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.359 | 0.312 | 13.1   | 90    | 0.00     |
| 95 T  | Naphthalene                 | 2.734 | 2.847 | -4.1   | 97    | 0.00     |

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Quant Title : SW846 8260  
QLast Update : Wed Feb 07 06:22:23 2024  
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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 | 0.775 | 4.9  | 93    | 0.00     |

(#) = Out of Range

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