

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020623\  
 Data File : VN076544.D  
 Acq On : 06 Feb 2023 15:53  
 Operator : JC\MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICSVN020623

Quant Time: Feb 07 15:25:22 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N020623W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 07 15:24:43 2023  
 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   | 99    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.526 | 0.592 | -12.5 | 97    | 0.00     |
| 3 P   | Chloromethane               | 0.508 | 0.515 | -1.4  | 93    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.420 | 0.417 | 0.7#  | 91    | 0.00     |
| 5 T   | Bromomethane                | 0.321 | 0.295 | 8.1   | 94    | 0.00     |
| 6 T   | Chloroethane                | 0.263 | 0.258 | 1.9   | 97    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.914 | 0.882 | 3.5   | 89    | 0.00     |
| 8 T   | Diethyl Ether               | 0.332 | 0.354 | -6.6  | 99    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.533 | 0.541 | -1.5  | 96    | 0.00     |
| 10 T  | Methyl Iodide               | 0.786 | 0.808 | -2.8  | 93    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.081 | 0.081 | 0.0   | 95    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.506 | 0.515 | -1.8# | 95    | 0.00     |
| 13 T  | Acrolein                    | 0.110 | 0.108 | 1.8   | 96    | 0.00     |
| 14 T  | Allyl chloride              | 0.662 | 0.722 | -9.1  | 96    | 0.00     |
| 15 T  | Acrylonitrile               | 0.236 | 0.236 | 0.0   | 94    | 0.00     |
| 16 T  | Acetone                     | 0.208 | 0.203 | 2.4   | 103   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.286 | 1.323 | -2.9  | 94    | 0.00     |
| 18 T  | Methyl Acetate              | 0.636 | 0.643 | -1.1  | 95    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.645 | 1.731 | -5.2  | 96    | 0.00     |
| 20 T  | Methylene Chloride          | 0.602 | 0.580 | 3.7   | 95    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.533 | 0.546 | -2.4  | 94    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.474 | 1.552 | -5.3  | 97    | 0.00     |
| 23 T  | Vinyl Acetate               | 0.950 | 1.000 | -5.3  | 94    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.936 | 0.957 | -2.2  | 95    | 0.00     |
| 25 T  | 2-Butanone                  | 0.294 | 0.292 | 0.7   | 95    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.789 | 0.815 | -3.3  | 97    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.624 | 0.646 | -3.5  | 95    | 0.00     |
| 28 T  | Bromochloromethane          | 0.388 | 0.371 | 4.4   | 94    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.187 | 0.187 | 0.0   | 93    | 0.00     |
| 30 C  | Chloroform                  | 1.028 | 1.038 | -1.0# | 96    | 0.00     |
| 31 T  | Cyclohexane                 | 0.931 | 0.883 | 5.2   | 93    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.916 | 0.938 | -2.4  | 95    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.595 | 0.588 | 1.2   | 99    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 97    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.309 | 0.313 | -1.3  | 97    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.442 | 0.462 | -4.5  | 96    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.353 | 0.351 | 0.6   | 91    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.482 | 0.493 | -2.3  | 94    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.536 | 0.612 | -14.2 | 98    | 0.00     |
| 40 TM | Benzene                     | 1.346 | 1.390 | -3.3  | 95    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.188 | 0.196 | -4.3  | 95    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.447 | 0.454 | -1.6  | 96    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.573 | 0.598 | -4.4  | 94    | 0.00     |
| 44 TM | Trichloroethene             | 0.360 | 0.367 | -1.9  | 96    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.327 | 0.334 | -2.1# | 95    | 0.00     |
| 46 T  | Dibromomethane              | 0.234 | 0.239 | -2.1  | 96    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.469 | 0.490 | -4.5  | 97    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.274 | 0.292 | -6.6  | 96    | 0.00     |

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 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICSVN020623

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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 | 96    | 0.00     |
| 50 S  | Toluene-d8                  | 1.176 | 1.190 | -1.2  | 96    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.344 | 0.352 | -2.3  | 93    | 0.00     |
| 52 CM | Toluene                     | 0.859 | 0.912 | -6.2# | 95    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.454 | 0.518 | -14.1 | 98    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.512 | 0.569 | -11.1 | 96    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.336 | 0.351 | -4.5  | 96    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.451 | 0.521 | -15.5 | 95    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.555 | 0.584 | -5.2  | 96    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.136 | 0.142 | -4.4  | 83    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.250 | 0.260 | -4.0  | 95    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.357 | 0.388 | -8.7  | 96    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.336 | 0.360 | -7.1  | 95    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.407 | 0.444 | -9.1  | 98    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 98    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.422 | 0.385 | 8.8   | 94    | 0.00     |
| 65 PM | Chlorobenzene               | 1.034 | 1.047 | -1.3  | 96    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.379 | 0.393 | -3.7  | 95    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.820 | 1.923 | -5.7# | 95    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.706 | 0.762 | -7.9  | 96    | 0.00     |
| 69 T  | o-Xylene                    | 0.694 | 0.748 | -7.8  | 95    | 0.00     |
| 70 T  | Styrene                     | 1.103 | 1.244 | -12.8 | 96    | 0.00     |
| 71 P  | Bromoform                   | 0.270 | 0.294 | -8.9  | 95    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 98    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.985 | 4.053 | -1.7  | 95    | 0.00     |
| 74 T  | N-amyl acetate              | 1.162 | 1.196 | -2.9  | 94    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.155 | 1.087 | 5.9   | 94    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.020 | 0.829 | 18.7  | 81    | 0.00     |
| 77 T  | Bromobenzene                | 0.938 | 0.918 | 2.1   | 95    | 0.00     |
| 78 T  | n-propylbenzene             | 4.434 | 4.710 | -6.2  | 96    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.815 | 2.790 | 0.9   | 95    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.379 | 3.478 | -2.9  | 95    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.306 | 0.332 | -8.5  | 95    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.815 | 2.790 | 0.9   | 95    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.004 | 2.977 | 0.9   | 91    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.352 | 3.507 | -4.6  | 96    | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.050 | 4.324 | -6.8  | 95    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.298 | 3.658 | -10.9 | 96    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.737 | 1.764 | -1.6  | 96    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.752 | 1.746 | 0.3   | 97    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.616 | 3.031 | -15.9 | 97    | 0.00     |
| 90 T  | Hexachloroethane            | 0.563 | 0.602 | -6.9  | 96    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.705 | 1.714 | -0.5  | 96    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.199 | 0.187 | 6.0   | 91    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.751 | 0.861 | -14.6 | 101   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.431 | 0.450 | -4.4  | 99    | 0.00     |
| 95 T  | Naphthalene                 | 2.213 | 2.492 | -12.6 | 99    | 0.00     |

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ClientSampleId :  
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Quant Title : SW846 8260  
QLast Update : Tue Feb 07 15:24:43 2023  
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) |
|------|------------------------|-------|-------|-------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 0.722 | 0.808 | -11.9 | 100   | 0.00     |

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