

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072522\  
 Data File : VN073571.D  
 Acq On : 25 Jul 2022 11:24  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 26 02:15:34 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062822W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 29 01:54:03 2022  
 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    | 81    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.731 | 0.853 | -16.7  | 87    | 0.00     |
| 3 P   | Chloromethane               | 0.710 | 0.754 | -6.2   | 84    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.603 | 0.672 | -11.4# | 87    | 0.00     |
| 5 T   | Bromomethane                | 0.285 | 0.291 | -2.1   | 82    | -0.01    |
| 6 T   | Chloroethane                | 0.355 | 0.409 | -15.2  | 91    | -0.01    |
| 7 T   | Trichlorofluoromethane      | 1.043 | 0.997 | 4.4    | 73    | 0.00     |
| 8 T   | Diethyl Ether               | 0.424 | 0.471 | -11.1  | 84    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.616 | 0.646 | -4.9   | 83    | 0.00     |
| 10 T  | Methyl Iodide               | 0.614 | 0.625 | -1.8   | 68    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.175 | 0.184 | -5.1   | 77    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.589 | 0.619 | -5.1#  | 82    | 0.00     |
| 13 T  | Acrolein                    | 0.111 | 0.118 | -6.3   | 81    | 0.00     |
| 14 T  | Allyl chloride              | 1.240 | 1.358 | -9.5   | 85    | 0.00     |
| 15 T  | Acrylonitrile               | 0.450 | 0.540 | -20.0  | 90    | 0.00     |
| 16 T  | Acetone                     | 0.405 | 0.463 | -14.3  | 87    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.526 | 1.693 | -10.9  | 83    | 0.00     |
| 18 T  | Methyl Acetate              | 1.135 | 1.299 | -14.4  | 90    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.145 | 2.264 | -5.5   | 80    | 0.00     |
| 20 T  | Methylene Chloride          | 0.712 | 0.775 | -8.8   | 87    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.615 | 0.661 | -7.5   | 84    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.314 | 2.652 | -14.6  | 88    | 0.00     |
| 23 T  | Vinyl Acetate               | 2.072 | 2.377 | -14.7  | 85    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.197 | 1.341 | -12.0  | 86    | 0.00     |
| 25 T  | 2-Butanone                  | 0.645 | 0.784 | -21.6  | 90    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.107 | 1.002 | 9.5    | 74    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.745 | 0.793 | -6.4   | 82    | 0.00     |
| 28 T  | Bromochloromethane          | 0.501 | 0.523 | -4.4   | 74    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.442 | 0.526 | -19.0  | 89    | 0.00     |
| 30 C  | Chloroform                  | 1.206 | 1.308 | -8.5#  | 83    | 0.00     |
| 31 T  | Cyclohexane                 | 1.182 | 1.234 | -4.4   | 86    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.075 | 1.128 | -4.9   | 80    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.722 | 0.695 | 3.7    | 78    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 74    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.333 | 0.351 | -5.4   | 79    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.512 | 0.602 | -17.6  | 86    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.773 | 0.921 | -19.1  | 86    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.529 | 0.577 | -9.1   | 80    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.637 | 0.747 | -17.3  | 85    | 0.00     |
| 40 TM | Benzene                     | 1.580 | 1.847 | -16.9  | 85    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.375 | 0.430 | -14.7  | 89    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.573 | 0.656 | -14.5  | 83    | 0.00     |
| 43 T  | Isopropyl Acetate           | 1.112 | 1.348 | -21.2  | 85    | 0.00     |
| 44 TM | Trichloroethene             | 0.402 | 0.443 | -10.2  | 80    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.403 | 0.474 | -17.6# | 84    | 0.00     |
| 46 T  | Dibromomethane              | 0.273 | 0.316 | -15.8  | 85    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.529 | 0.633 | -19.7  | 84    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.515 | 0.599 | -16.3  | 78    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 26 02:15:34 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062822W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 29 01:54:03 2022  
 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                 | 0.010 | 0.013 | -30.0# | 87    | 0.00     |
| 50 S  | Toluene-d8                  | 1.181 | 1.176 | 0.4    | 75    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.705 | 0.904 | -28.2# | 89    | 0.00     |
| 52 CM | Toluene                     | 0.976 | 1.123 | -15.1# | 83    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.583 | 0.665 | -14.1  | 79    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.629 | 0.728 | -15.7  | 81    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.402 | 0.455 | -13.2  | 84    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.650 | 0.765 | -17.7  | 81    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.689 | 0.790 | -14.7  | 82    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.290 | 0.326 | -12.4  | 74    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.537 | 0.693 | -29.1# | 88    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.383 | 0.475 | -24.0  | 84    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.401 | 0.474 | -18.2  | 82    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.454 | 0.482 | -6.2   | 75    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 76    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.408 | 0.457 | -12.0  | 84    | 0.00     |
| 65 PM | Chlorobenzene               | 1.131 | 1.252 | -10.7  | 83    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.416 | 0.462 | -11.1  | 81    | 0.00     |
| 67 C  | Ethyl Benzene               | 2.053 | 2.302 | -12.1# | 82    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.775 | 0.880 | -13.5  | 83    | 0.00     |
| 69 T  | o-Xylene                    | 0.791 | 0.883 | -11.6  | 83    | 0.00     |
| 70 T  | Styrene                     | 1.221 | 1.430 | -17.1  | 83    | 0.00     |
| 71 P  | Bromoform                   | 0.304 | 0.377 | -24.0  | 84    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 80    | 0.00     |
| 73 T  | Isopropylbenzene            | 4.318 | 4.552 | -5.4   | 83    | 0.00     |
| 74 T  | N-amyl acetate              | 2.162 | 2.249 | -4.0   | 80    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.433 | 1.525 | -6.4   | 85    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.307 | 1.387 | -6.1   | 91    | 0.00     |
| 77 T  | Bromobenzene                | 1.004 | 1.053 | -4.9   | 83    | 0.00     |
| 78 T  | n-propylbenzene             | 4.797 | 5.310 | -10.7  | 84    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 3.036 | 3.168 | -4.3   | 83    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.519 | 3.752 | -6.6   | 83    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.477 | 0.499 | -4.6   | 78    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.939 | 3.073 | -4.6   | 82    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.155 | 3.327 | -5.5   | 82    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.514 | 3.754 | -6.8   | 83    | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.237 | 4.736 | -11.8  | 84    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.422 | 3.849 | -12.5  | 84    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.801 | 1.891 | -5.0   | 83    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.804 | 1.896 | -5.1   | 83    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.852 | 3.254 | -14.1  | 84    | 0.00     |
| 90 T  | Hexachloroethane            | 0.638 | 0.682 | -6.9   | 80    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.835 | 1.902 | -3.7   | 82    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.348 | 0.355 | -2.0   | 75    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.955 | 1.065 | -11.5  | 84    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.425 | 0.502 | -18.1  | 93    | 0.00     |
| 95 T  | Naphthalene                 | 3.854 | 3.801 | 1.4    | 76    | 0.00     |

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MSVOA\_N  
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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) |
|------|------------------------|-------|-------|-------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 0.985 | 1.096 | -11.3 | 83    | 0.00     |

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