

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102323\  
 Data File : VN079635.D  
 Acq On : 23 Oct 2023 09:28  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 23 23:44:23 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 06 03:34:49 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   | 102   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.716 | 0.593 | 17.2  | 81    | 0.00     |
| 3 P   | Chloromethane               | 0.894 | 0.721 | 19.4  | 84    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.930 | 0.796 | 14.4# | 87    | 0.00     |
| 5 T   | Bromomethane                | 0.557 | 0.445 | 20.1  | 88    | 0.02     |
| 6 T   | Chloroethane                | 0.701 | 0.533 | 24.0  | 85    | 0.01     |
| 7 T   | Trichlorofluoromethane      | 1.098 | 1.003 | 8.7   | 96    | 0.01     |
| 8 T   | Diethyl Ether               | 0.391 | 0.356 | 9.0   | 90    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.642 | 0.576 | 10.3  | 98    | 0.00     |
| 10 T  | Methyl Iodide               | 0.557 | 0.660 | -18.5 | 106   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.122 | 0.084 | 31.1# | 71    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.591 | 0.534 | 9.6#  | 93    | 0.00     |
| 13 T  | Acrolein                    | 0.121 | 0.078 | 35.5# | 64    | 0.00     |
| 14 T  | Allyl chloride              | 0.953 | 0.846 | 11.2  | 92    | 0.00     |
| 15 T  | Acrylonitrile               | 0.354 | 0.306 | 13.6  | 86    | 0.00     |
| 16 T  | Acetone                     | 0.322 | 0.365 | -13.4 | 114   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.843 | 1.504 | 18.4  | 87    | 0.00     |
| 18 T  | Methyl Acetate              | 1.574 | 1.237 | 21.4  | 84    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.919 | 1.830 | 4.6   | 93    | 0.00     |
| 20 T  | Methylene Chloride          | 0.816 | 0.665 | 18.5  | 98    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.690 | 0.614 | 11.0  | 96    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.138 | 2.091 | 2.2   | 96    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.202 | 1.111 | 7.6   | 86    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.308 | 1.229 | 6.0   | 98    | 0.00     |
| 25 T  | 2-Butanone                  | 0.477 | 0.446 | 6.5   | 90    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.000 | 1.013 | -1.3  | 101   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.750 | 0.719 | 4.1   | 99    | 0.00     |
| 28 T  | Bromochloromethane          | 0.622 | 0.622 | 0.0   | 98    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.309 | 0.263 | 14.9  | 82    | 0.00     |
| 30 C  | Chloroform                  | 1.322 | 1.251 | 5.4#  | 99    | 0.00     |
| 31 T  | Cyclohexane                 | 1.150 | 0.978 | 15.0  | 93    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.112 | 1.054 | 5.2   | 98    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.811 | 0.798 | 1.6   | 104   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 98    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.359 | 0.378 | -5.3  | 107   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.539 | 0.544 | -0.9  | 97    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.537 | 0.488 | 9.1   | 84    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.540 | 0.529 | 2.0   | 96    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.518 | 0.509 | 1.7   | 89    | 0.00     |
| 40 TM | Benzene                     | 1.602 | 1.619 | -1.1  | 98    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.282 | 0.257 | 8.9   | 82    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.582 | 0.573 | 1.5   | 98    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.940 | 0.799 | 15.0  | 84    | 0.00     |
| 44 TM | Trichloroethene             | 0.377 | 0.377 | 0.0   | 99    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.422 | 0.433 | -2.6# | 102   | 0.00     |
| 46 T  | Dibromomethane              | 0.273 | 0.284 | -4.0  | 99    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.562 | 0.589 | -4.8  | 100   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.403 | 0.380 | 5.7   | 85    | 0.00     |

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 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 23 23:44:23 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 06 03:34:49 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) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.007 | 0.006 | 14.3  | 72    | 0.00     |
| 50 S  | Toluene-d8                  | 1.300 | 1.387 | -6.7  | 102   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.531 | 0.500 | 5.8   | 85    | 0.00     |
| 52 CM | Toluene                     | 0.943 | 0.996 | -5.6# | 97    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.567 | 0.600 | -5.8  | 97    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.620 | 0.662 | -6.8  | 97    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.378 | 0.390 | -3.2  | 100   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.520 | 0.558 | -7.3  | 90    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.654 | 0.692 | -5.8  | 100   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.199 | 0.215 | -8.0  | 93    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.383 | 0.376 | 1.8   | 85    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.380 | 0.411 | -8.2  | 100   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.376 | 0.375 | 0.3   | 96    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.417 | 0.454 | -8.9  | 101   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 98    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.344 | 0.334 | 2.9   | 99    | 0.00     |
| 65 PM | Chlorobenzene               | 1.114 | 1.100 | 1.3   | 99    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.408 | 0.427 | -4.7  | 103   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.935 | 2.049 | -5.9# | 97    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.703 | 0.777 | -10.5 | 100   | 0.00     |
| 69 T  | o-Xylene                    | 0.692 | 0.729 | -5.3  | 96    | 0.00     |
| 70 T  | Styrene                     | 1.092 | 1.247 | -14.2 | 98    | 0.00     |
| 71 P  | Bromoform                   | 0.298 | 0.299 | -0.3  | 98    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 101   | 0.00     |
| 73 T  | Isopropylbenzene            | 4.652 | 4.213 | 9.4   | 97    | 0.00     |
| 74 T  | N-amyl acetate              | 1.907 | 1.586 | 16.8  | 83    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.814 | 1.348 | 25.7# | 93    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.442 | 1.166 | 19.1  | 88    | 0.00     |
| 77 T  | Bromobenzene                | 1.141 | 1.001 | 12.3  | 100   | 0.00     |
| 78 T  | n-propylbenzene             | 5.263 | 5.049 | 4.1   | 98    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 3.368 | 3.026 | 10.2  | 100   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.668 | 3.515 | 4.2   | 98    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.497 | 0.398 | 19.9  | 86    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.205 | 2.967 | 7.4   | 98    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.005 | 2.820 | 6.2   | 95    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.501 | 3.505 | -0.1  | 99    | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.192 | 3.966 | 5.4   | 95    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.216 | 3.315 | -3.1  | 100   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.809 | 1.769 | 2.2   | 100   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.868 | 1.698 | 9.1   | 98    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.568 | 2.679 | -4.3  | 96    | 0.00     |
| 90 T  | Hexachloroethane            | 0.756 | 0.642 | 15.1  | 99    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.765 | 1.678 | 4.9   | 97    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.269 | 0.204 | 24.2  | 81    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.547 | 0.550 | -0.5  | 85    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.426 | 0.376 | 11.7  | 96    | 0.00     |
| 95 T  | Naphthalene                 | 1.669 | 1.349 | 19.2  | 70    | 0.00     |

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Quant Title : SW846 8260  
QLast Update : Fri Oct 06 03:34:49 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 | 0.652 | 0.560 | 14.1 | 81    | 0.00     |

(#) = Out of Range

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