

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061021\  
 Data File : VX022655.D  
 Acq On : 10 Jun 2021 20:03  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 11 06:48:18 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061021W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 10 12:20:00 2021  
 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     | 0.587 | 0.588 | -0.2 | 98    | 0.00     |
| 3 P   | Chloromethane               | 0.709 | 0.672 | 5.2  | 98    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.697 | 0.650 | 6.7# | 97    | 0.00     |
| 5 T   | Bromomethane                | 0.379 | 0.347 | 8.4  | 97    | 0.00     |
| 6 T   | Chloroethane                | 0.422 | 0.414 | 1.9  | 99    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.003 | 0.968 | 3.5  | 99    | 0.00     |
| 8 T   | Diethyl Ether               | 0.405 | 0.386 | 4.7  | 99    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.612 | 0.579 | 5.4  | 96    | 0.00     |
| 10 T  | Methyl Iodide               | 0.686 | 0.644 | 6.1  | 92    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.208 | 0.175 | 15.9 | 91    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.607 | 0.586 | 3.5# | 101   | 0.00     |
| 13 T  | Acrolein                    | 0.087 | 0.094 | -8.0 | 121   | 0.00     |
| 14 T  | Allyl chloride              | 1.174 | 1.118 | 4.8  | 94    | 0.00     |
| 15 T  | Acrylonitrile               | 0.409 | 0.400 | 2.2  | 97    | 0.00     |
| 16 T  | Acetone                     | 0.403 | 0.359 | 10.9 | 94    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.366 | 1.256 | 8.1  | 94    | 0.00     |
| 18 T  | Methyl Acetate              | 1.212 | 1.077 | 11.1 | 96    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.106 | 2.038 | 3.2  | 97    | 0.00     |
| 20 T  | Methylene Chloride          | 0.849 | 0.728 | 14.3 | 97    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.673 | 0.640 | 4.9  | 96    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.323 | 2.244 | 3.4  | 97    | 0.00     |
| 23 T  | Vinyl Acetate               | 2.140 | 2.129 | 0.5  | 97    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.348 | 1.288 | 4.5  | 98    | 0.00     |
| 25 T  | 2-Butanone                  | 0.653 | 0.632 | 3.2  | 97    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.028 | 0.840 | 18.3 | 81    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.820 | 0.770 | 6.1  | 96    | 0.00     |
| 28 T  | Bromochloromethane          | 0.652 | 0.623 | 4.4  | 98    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.380 | 0.367 | 3.4  | 97    | 0.00     |
| 30 C  | Chloroform                  | 1.343 | 1.291 | 3.9# | 97    | 0.00     |
| 31 T  | Cyclohexane                 | 1.085 | 1.015 | 6.5  | 98    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.058 | 1.059 | -0.1 | 98    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.899 | 0.826 | 8.1  | 101   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0  | 102   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.319 | 0.301 | 5.6  | 102   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.498 | 0.469 | 5.8  | 98    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.633 | 0.606 | 4.3  | 98    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.426 | 0.417 | 2.1  | 97    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.520 | 0.495 | 4.8  | 97    | 0.00     |
| 40 TM | Benzene                     | 1.482 | 1.433 | 3.3  | 96    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.339 | 0.339 | 0.0  | 97    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.545 | 0.540 | 0.9  | 100   | 0.00     |
| 43 T  | Isopropyl Acetate           | 1.000 | 0.999 | 0.1  | 99    | 0.00     |
| 44 TM | Trichloroethene             | 0.348 | 0.336 | 3.4  | 97    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.400 | 0.386 | 3.5# | 97    | 0.00     |
| 46 T  | Dibromomethane              | 0.250 | 0.249 | 0.4  | 97    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.462 | 0.466 | -0.9 | 96    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.480 | 0.469 | 2.3  | 97    | 0.00     |

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Instrument :  
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 LabSampleId :  
 VSTDCCC050

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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                 | 0.009 | 0.008 | 11.1 | 84    | 0.00     |
| 50 S  | Toluene-d8                  | 1.258 | 1.168 | 7.2  | 98    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.635 | 0.634 | 0.2  | 97    | 0.00     |
| 52 CM | Toluene                     | 0.922 | 0.897 | 2.7# | 97    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.533 | 0.527 | 1.1  | 93    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.582 | 0.575 | 1.2  | 93    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.377 | 0.376 | 0.3  | 99    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.607 | 0.625 | -3.0 | 99    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.656 | 0.658 | -0.3 | 97    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.340 | 0.330 | 2.9  | 96    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.485 | 0.493 | -1.6 | 98    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.310 | 0.320 | -3.2 | 94    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.377 | 0.378 | -0.3 | 96    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.476 | 0.434 | 8.8  | 99    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0  | 102   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.316 | 0.312 | 1.3  | 99    | 0.00     |
| 65 PM | Chlorobenzene               | 1.042 | 0.995 | 4.5  | 97    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.338 | 0.337 | 0.3  | 95    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.918 | 1.900 | 0.9# | 97    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.695 | 0.687 | 1.2  | 96    | 0.00     |
| 69 T  | o-Xylene                    | 0.673 | 0.674 | -0.1 | 97    | 0.00     |
| 70 T  | Styrene                     | 1.126 | 1.158 | -2.8 | 98    | 0.00     |
| 71 P  | Bromoform                   | 0.197 | 0.201 | -2.0 | 93    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0  | 102   | 0.00     |
| 73 T  | Isopropylbenzene            | 4.106 | 4.021 | 2.1  | 98    | 0.00     |
| 74 T  | N-amyl acetate              | 2.208 | 2.200 | 0.4  | 98    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.460 | 1.452 | 0.5  | 97    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.326 | 1.257 | 5.2  | 93    | 0.00     |
| 77 T  | Bromobenzene                | 0.877 | 0.835 | 4.8  | 97    | 0.00     |
| 78 T  | n-propylbenzene             | 4.959 | 4.861 | 2.0  | 97    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 3.001 | 2.893 | 3.6  | 98    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.420 | 3.387 | 1.0  | 96    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.447 | 0.418 | 6.5  | 90    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.434 | 3.328 | 3.1  | 97    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.212 | 3.087 | 3.9  | 96    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.469 | 3.425 | 1.3  | 97    | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.195 | 4.103 | 2.2  | 96    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.463 | 3.418 | 1.3  | 97    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.665 | 1.590 | 4.5  | 97    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.714 | 1.598 | 6.8  | 95    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.316 | 3.286 | 0.9  | 96    | 0.00     |
| 90 T  | Hexachloroethane            | 0.483 | 0.482 | 0.2  | 96    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.622 | 1.572 | 3.1  | 96    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.279 | 0.290 | -3.9 | 97    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.973 | 0.935 | 3.9  | 96    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.349 | 0.327 | 6.3  | 95    | 0.00     |
| 95 T  | Naphthalene                 | 3.776 | 3.914 | -3.7 | 96    | 0.00     |

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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 | 0.949 | 0.941 | 0.8  | 96    | 0.00     |

(#) = Out of Range

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