

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061821\  
 Data File : VX022779.D  
 Acq On : 18 Jun 2021 20:07  
 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 19 01:47:37 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   | 90    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.587 | 0.537 | 8.5   | 79    | 0.00     |
| 3 P   | Chloromethane               | 0.709 | 0.610 | 14.0  | 79    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.697 | 0.595 | 14.6# | 79    | 0.00     |
| 5 T   | Bromomethane                | 0.379 | 0.409 | -7.9  | 102   | 0.00     |
| 6 T   | Chloroethane                | 0.422 | 0.393 | 6.9   | 84    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.003 | 0.964 | 3.9   | 88    | 0.00     |
| 8 T   | Diethyl Ether               | 0.405 | 0.380 | 6.2   | 86    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.612 | 0.589 | 3.8   | 87    | 0.00     |
| 10 T  | Methyl Iodide               | 0.686 | 0.572 | 16.6  | 73    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.208 | 0.183 | 12.0  | 84    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.607 | 0.571 | 5.9#  | 88    | 0.00     |
| 13 T  | Acrolein                    | 0.087 | 0.072 | 17.2  | 82    | 0.00     |
| 14 T  | Allyl chloride              | 1.174 | 1.110 | 5.5   | 83    | 0.00     |
| 15 T  | Acrylonitrile               | 0.409 | 0.412 | -0.7  | 89    | 0.00     |
| 16 T  | Acetone                     | 0.403 | 0.384 | 4.7   | 89    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.366 | 1.088 | 20.4  | 72    | 0.00     |
| 18 T  | Methyl Acetate              | 1.212 | 1.188 | 2.0   | 94    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.106 | 2.120 | -0.7  | 90    | 0.00     |
| 20 T  | Methylene Chloride          | 0.849 | 0.744 | 12.4  | 88    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.673 | 0.634 | 5.8   | 85    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.323 | 2.335 | -0.5  | 90    | 0.00     |
| 23 T  | Vinyl Acetate               | 2.140 | 2.169 | -1.4  | 87    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.348 | 1.326 | 1.6   | 90    | 0.00     |
| 25 T  | 2-Butanone                  | 0.653 | 0.649 | 0.6   | 89    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.028 | 0.893 | 13.1  | 77    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.820 | 0.793 | 3.3   | 88    | 0.00     |
| 28 T  | Bromochloromethane          | 0.652 | 0.679 | -4.1  | 94    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.380 | 0.384 | -1.1  | 90    | 0.00     |
| 30 C  | Chloroform                  | 1.343 | 1.351 | -0.6# | 90    | 0.00     |
| 31 T  | Cyclohexane                 | 1.085 | 0.971 | 10.5  | 83    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.058 | 1.113 | -5.2  | 91    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.899 | 0.884 | 1.7   | 96    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 92    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.319 | 0.313 | 1.9   | 96    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.498 | 0.464 | 6.8   | 88    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.633 | 0.609 | 3.8   | 89    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.426 | 0.426 | 0.0   | 89    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.520 | 0.475 | 8.7   | 84    | 0.00     |
| 40 TM | Benzene                     | 1.482 | 1.469 | 0.9   | 88    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.339 | 0.338 | 0.3   | 87    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.545 | 0.560 | -2.8  | 94    | 0.00     |
| 43 T  | Isopropyl Acetate           | 1.000 | 1.007 | -0.7  | 90    | 0.00     |
| 44 TM | Trichloroethene             | 0.348 | 0.339 | 2.6   | 88    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.400 | 0.391 | 2.3#  | 89    | 0.00     |
| 46 T  | Dibromomethane              | 0.250 | 0.255 | -2.0  | 89    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.462 | 0.490 | -6.1  | 91    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.480 | 0.478 | 0.4   | 89    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 19 01:47:37 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) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.009 | 0.009 | 0.0   | 86    | 0.00     |
| 50 S  | Toluene-d8                  | 1.258 | 1.223 | 2.8   | 92    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.635 | 0.670 | -5.5  | 92    | 0.00     |
| 52 CM | Toluene                     | 0.922 | 0.905 | 1.8#  | 88    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.533 | 0.531 | 0.4   | 85    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.582 | 0.592 | -1.7  | 86    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.377 | 0.396 | -5.0  | 94    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.607 | 0.620 | -2.1  | 88    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.656 | 0.675 | -2.9  | 90    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.340 | 0.343 | -0.9  | 90    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.485 | 0.508 | -4.7  | 91    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.310 | 0.347 | -11.9 | 91    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.377 | 0.391 | -3.7  | 90    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.476 | 0.462 | 2.9   | 95    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.316 | 0.324 | -2.5  | 93    | 0.00     |
| 65 PM | Chlorobenzene               | 1.042 | 1.012 | 2.9   | 89    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.338 | 0.361 | -6.8  | 93    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.918 | 1.896 | 1.1#  | 88    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.695 | 0.695 | 0.0   | 88    | 0.00     |
| 69 T  | o-Xylene                    | 0.673 | 0.687 | -2.1  | 90    | 0.00     |
| 70 T  | Styrene                     | 1.126 | 1.181 | -4.9  | 90    | 0.00     |
| 71 P  | Bromoform                   | 0.197 | 0.219 | -11.2 | 92    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 91    | 0.00     |
| 73 T  | Isopropylbenzene            | 4.106 | 4.239 | -3.2  | 92    | 0.00     |
| 74 T  | N-amyl acetate              | 2.208 | 2.272 | -2.9  | 90    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.460 | 1.536 | -5.2  | 91    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.326 | 1.394 | -5.1  | 91    | 0.00     |
| 77 T  | Bromobenzene                | 0.877 | 0.887 | -1.1  | 91    | 0.00     |
| 78 T  | n-propylbenzene             | 4.959 | 5.007 | -1.0  | 89    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 3.001 | 2.974 | 0.9   | 90    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.420 | 3.523 | -3.0  | 89    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.447 | 0.419 | 6.3   | 80    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.434 | 3.411 | 0.7   | 88    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.212 | 3.242 | -0.9  | 89    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.469 | 3.531 | -1.8  | 89    | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.195 | 4.252 | -1.4  | 89    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.463 | 3.461 | 0.1   | 87    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.665 | 1.629 | 2.2   | 88    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.714 | 1.625 | 5.2   | 86    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.316 | 3.253 | 1.9   | 84    | 0.00     |
| 90 T  | Hexachloroethane            | 0.483 | 0.518 | -7.2  | 91    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.622 | 1.612 | 0.6   | 88    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.279 | 0.312 | -11.8 | 92    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.973 | 0.955 | 1.8   | 87    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.349 | 0.332 | 4.9   | 85    | 0.00     |
| 95 T  | Naphthalene                 | 3.776 | 4.052 | -7.3  | 89    | 0.00     |

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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) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 0.949 | 0.978 | -3.1 | 88    | 0.00     |

(#) = Out of Range

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