

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031521\  
 Data File : VX021213.D  
 Acq On : 15 Mar 2021 20:27  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 16 03:06:29 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031521W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 15 11:55:59 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   | 85    | 0.01     |
| 2 T   | Dichlorodifluoromethane     | 0.642 | 0.646 | -0.6  | 86    | 0.00     |
| 3 P   | Chloromethane               | 0.650 | 0.653 | -0.5  | 90    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.638 | 0.657 | -3.0# | 88    | 0.00     |
| 5 T   | Bromomethane                | 0.368 | 0.373 | -1.4  | 95    | 0.00     |
| 6 T   | Chloroethane                | 0.379 | 0.396 | -4.5  | 90    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.993 | 1.044 | -5.1  | 91    | 0.00     |
| 8 T   | Diethyl Ether               | 0.337 | 0.349 | -3.6  | 89    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.542 | 0.556 | -2.6  | 87    | 0.00     |
| 10 T  | Methyl Iodide               | 0.726 | 0.724 | 0.3   | 85    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.149 | 0.141 | 5.4   | 83    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.538 | 0.541 | -0.6# | 86    | 0.00     |
| 13 T  | Acrolein                    | 0.091 | 0.088 | 3.3   | 88    | 0.00     |
| 14 T  | Allyl chloride              | 1.175 | 1.135 | 3.4   | 86    | 0.00     |
| 15 T  | Acrylonitrile               | 0.328 | 0.353 | -7.6  | 91    | 0.00     |
| 16 T  | Acetone                     | 0.343 | 0.327 | 4.7   | 87    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.592 | 1.585 | 0.4   | 86    | 0.00     |
| 18 T  | Methyl Acetate              | 0.830 | 0.860 | -3.6  | 92    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.047 | 2.107 | -2.9  | 87    | 0.00     |
| 20 T  | Methylene Chloride          | 0.647 | 0.646 | 0.2   | 90    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.591 | 0.615 | -4.1  | 88    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.148 | 2.259 | -5.2  | 88    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.878 | 2.006 | -6.8  | 89    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.157 | 1.213 | -4.8  | 89    | 0.00     |
| 25 T  | 2-Butanone                  | 0.493 | 0.514 | -4.3  | 89    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.053 | 0.955 | 9.3   | 77    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.676 | 0.707 | -4.6  | 88    | 0.00     |
| 28 T  | Bromochloromethane          | 0.578 | 0.589 | -1.9  | 88    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.318 | 0.336 | -5.7  | 90    | 0.00     |
| 30 C  | Chloroform                  | 1.205 | 1.253 | -4.0# | 87    | 0.00     |
| 31 T  | Cyclohexane                 | 1.079 | 1.064 | 1.4   | 87    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.067 | 1.103 | -3.4  | 86    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.853 | 0.866 | -1.5  | 89    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 87    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.344 | 0.344 | 0.0   | 89    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.524 | 0.528 | -0.8  | 88    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.577 | 0.583 | -1.0  | 90    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.575 | 0.569 | 1.0   | 87    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.589 | 0.582 | 1.2   | 85    | 0.00     |
| 40 TM | Benzene                     | 1.465 | 1.501 | -2.5  | 89    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.333 | 0.340 | -2.1  | 90    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.623 | 0.646 | -3.7  | 89    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.968 | 0.986 | -1.9  | 88    | 0.00     |
| 44 TM | Trichloroethene             | 0.389 | 0.385 | 1.0   | 85    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.396 | 0.405 | -2.3# | 88    | 0.00     |
| 46 T  | Dibromomethane              | 0.276 | 0.285 | -3.3  | 89    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.578 | 0.597 | -3.3  | 89    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.498 | 0.526 | -5.6  | 91    | 0.00     |

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Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

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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                 | 0.008 | 0.008 | 0.0   | 80    | 0.00     |
| 50 S  | Toluene-d8                  | 1.236 | 1.234 | 0.2   | 88    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.552 | 0.601 | -8.9  | 92    | 0.00     |
| 52 CM | Toluene                     | 0.883 | 0.909 | -2.9# | 88    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.599 | 0.606 | -1.2  | 85    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.638 | 0.650 | -1.9  | 87    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.364 | 0.371 | -1.9  | 89    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.566 | 0.608 | -7.4  | 91    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.630 | 0.661 | -4.9  | 91    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.284 | 0.319 | -12.3 | 91    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.416 | 0.450 | -8.2  | 93    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.416 | 0.426 | -2.4  | 88    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.382 | 0.406 | -6.3  | 90    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.471 | 0.487 | -3.4  | 92    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 92    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.433 | 0.410 | 5.3   | 85    | 0.00     |
| 65 PM | Chlorobenzene               | 1.037 | 1.051 | -1.4  | 91    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.409 | 0.393 | 3.9   | 92    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.922 | 1.948 | -1.4# | 90    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.689 | 0.696 | -1.0  | 91    | 0.00     |
| 69 T  | o-Xylene                    | 0.669 | 0.689 | -3.0  | 91    | 0.00     |
| 70 T  | Styrene                     | 1.134 | 1.167 | -2.9  | 92    | 0.00     |
| 71 P  | Bromoform                   | 0.320 | 0.323 | -0.9  | 89    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.882 | 3.725 | 4.0   | 90    | 0.00     |
| 74 T  | N-amyl acetate              | 1.854 | 1.885 | -1.7  | 94    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.197 | 1.217 | -1.7  | 95    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.240 | 1.254 | -1.1  | 93    | 0.00     |
| 77 T  | Bromobenzene                | 0.923 | 0.889 | 3.7   | 92    | 0.00     |
| 78 T  | n-propylbenzene             | 4.468 | 4.439 | 0.6   | 93    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.705 | 2.640 | 2.4   | 92    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.258 | 3.193 | 2.0   | 92    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.437 | 0.391 | 10.5  | 87    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.166 | 3.140 | 0.8   | 93    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.970 | 2.961 | 0.3   | 93    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.280 | 3.253 | 0.8   | 92    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.615 | 3.595 | 0.6   | 92    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.317 | 3.280 | 1.1   | 91    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.612 | 1.599 | 0.8   | 94    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.657 | 1.580 | 4.6   | 90    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.042 | 3.012 | 1.0   | 92    | 0.00     |
| 90 T  | Hexachloroethane            | 0.612 | 0.592 | 3.3   | 89    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.591 | 1.590 | 0.1   | 92    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.310 | 0.313 | -1.0  | 95    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.018 | 1.027 | -0.9  | 94    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.437 | 0.423 | 3.2   | 93    | 0.00     |
| 95 T  | Naphthalene                 | 3.237 | 3.527 | -9.0  | 96    | 0.00     |

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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) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 1.002 | 1.010 | -0.8 | 92    | 0.00     |

(#) = Out of Range

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