

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052521\  
 Data File : VX022175.D  
 Acq On : 25 May 2021 14:36  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 26 01:57:12 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051921W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 19 14:23:10 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     | 0.608 | 0.604 | 0.7   | 85    | 0.00     |
| 3 P   | Chloromethane               | 0.656 | 0.616 | 6.1   | 82    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.694 | 0.702 | -1.2# | 87    | 0.00     |
| 5 T   | Bromomethane                | 0.404 | 0.311 | 23.0  | 72    | -0.01    |
| 6 T   | Chloroethane                | 0.413 | 0.436 | -5.6  | 89    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.998 | 1.004 | -0.6  | 88    | 0.00     |
| 8 T   | Diethyl Ether               | 0.429 | 0.427 | 0.5   | 90    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.592 | 0.588 | 0.7   | 88    | 0.00     |
| 10 T  | Methyl Iodide               | 0.637 | 0.611 | 4.1   | 82    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.176 | 0.201 | -14.2 | 104   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.573 | 0.562 | 1.9#  | 86    | 0.00     |
| 13 T  | Acrolein                    | 0.117 | 0.110 | 6.0   | 90    | 0.00     |
| 14 T  | Allyl chloride              | 1.053 | 1.095 | -4.0  | 91    | 0.00     |
| 15 T  | Acrylonitrile               | 0.347 | 0.394 | -13.5 | 99    | 0.00     |
| 16 T  | Acetone                     | 0.336 | 0.377 | -12.2 | 104   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.501 | 1.339 | 10.8  | 83    | 0.00     |
| 18 T  | Methyl Acetate              | 0.893 | 1.013 | -13.4 | 103   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.963 | 2.055 | -4.7  | 91    | 0.00     |
| 20 T  | Methylene Chloride          | 0.746 | 0.718 | 3.8   | 92    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.623 | 0.659 | -5.8  | 91    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.027 | 2.149 | -6.0  | 94    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.952 | 2.086 | -6.9  | 93    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.190 | 1.262 | -6.1  | 93    | 0.00     |
| 25 T  | 2-Butanone                  | 0.543 | 0.621 | -14.4 | 100   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.056 | 1.089 | -3.1  | 92    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.758 | 0.791 | -4.4  | 90    | 0.00     |
| 28 T  | Bromochloromethane          | 0.577 | 0.580 | -0.5  | 92    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.323 | 0.359 | -11.1 | 99    | 0.00     |
| 30 C  | Chloroform                  | 1.229 | 1.291 | -5.0# | 93    | 0.00     |
| 31 T  | Cyclohexane                 | 0.969 | 0.939 | 3.1   | 87    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.050 | 1.101 | -4.9  | 92    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.771 | 0.797 | -3.4  | 101   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.317 | 0.311 | 1.9   | 98    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.462 | 0.459 | 0.6   | 90    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.567 | 0.582 | -2.6  | 97    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.452 | 0.450 | 0.4   | 86    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.524 | 0.499 | 4.8   | 89    | 0.00     |
| 40 TM | Benzene                     | 1.423 | 1.430 | -0.5  | 92    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.303 | 0.320 | -5.6  | 98    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.498 | 0.516 | -3.6  | 95    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.927 | 0.967 | -4.3  | 96    | 0.00     |
| 44 TM | Trichloroethene             | 0.354 | 0.346 | 2.3   | 89    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.363 | 0.380 | -4.7# | 91    | 0.00     |
| 46 T  | Dibromomethane              | 0.246 | 0.253 | -2.8  | 90    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.493 | 0.504 | -2.2  | 90    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.427 | 0.450 | -5.4  | 96    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

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 | 0.010 | -25.0 | 106   | -0.02    |
| 50 S  | Toluene-d8                  | 1.221 | 1.236 | -1.2  | 102   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.555 | 0.620 | -11.7 | 99    | 0.00     |
| 52 CM | Toluene                     | 0.901 | 0.913 | -1.3# | 92    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.569 | 0.585 | -2.8  | 92    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.611 | 0.630 | -3.1  | 93    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.366 | 0.389 | -6.3  | 96    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.591 | 0.631 | -6.8  | 94    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.624 | 0.654 | -4.8  | 95    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.320 | 0.319 | 0.3   | 93    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.418 | 0.478 | -14.4 | 101   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.356 | 0.368 | -3.4  | 90    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.364 | 0.390 | -7.1  | 94    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.451 | 0.467 | -3.5  | 103   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 94    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.328 | 0.316 | 3.7   | 89    | 0.00     |
| 65 PM | Chlorobenzene               | 1.041 | 1.033 | 0.8   | 91    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.362 | 0.377 | -4.1  | 93    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.915 | 1.908 | 0.4#  | 92    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.724 | 0.726 | -0.3  | 94    | 0.00     |
| 69 T  | o-Xylene                    | 0.704 | 0.715 | -1.6  | 94    | 0.00     |
| 70 T  | Styrene                     | 1.153 | 1.213 | -5.2  | 95    | 0.00     |
| 71 P  | Bromoform                   | 0.250 | 0.254 | -1.6  | 87    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 73 T  | Isopropylbenzene            | 4.232 | 4.049 | 4.3   | 93    | 0.00     |
| 74 T  | N-amyl acetate              | 2.009 | 2.080 | -3.5  | 98    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.403 | 1.457 | -3.8  | 100   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.234 | 1.313 | -6.4  | 99    | 0.00     |
| 77 T  | Bromobenzene                | 0.897 | 0.869 | 3.1   | 92    | 0.00     |
| 78 T  | n-propylbenzene             | 4.957 | 4.896 | 1.2   | 94    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 3.006 | 2.884 | 4.1   | 94    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.507 | 3.465 | 1.2   | 94    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.521 | 0.523 | -0.4  | 93    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.464 | 3.345 | 3.4   | 95    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.364 | 3.282 | 2.4   | 93    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.530 | 3.534 | -0.1  | 94    | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.275 | 4.231 | 1.0   | 93    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.610 | 3.599 | 0.3   | 95    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.730 | 1.681 | 2.8   | 93    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.788 | 1.681 | 6.0   | 93    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.340 | 3.403 | -1.9  | 95    | 0.00     |
| 90 T  | Hexachloroethane            | 0.597 | 0.581 | 2.7   | 89    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.662 | 1.690 | -1.7  | 97    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.300 | 0.325 | -8.3  | 102   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.003 | 0.999 | 0.4   | 96    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.391 | 0.369 | 5.6   | 90    | 0.00     |
| 95 T  | Naphthalene                 | 3.910 | 4.172 | -6.7  | 100   | 0.00     |

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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 | 1.011 | 1.020 | -0.9 | 96    | 0.00     |

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