

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040422\  
 Data File : VX027973.D  
 Acq On : 04 Apr 2022 21:13  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 05 05:55:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032922W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 30 04:39:27 2022  
 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    | 76    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.453 | 0.361 | 20.3   | 53    | 0.00     |
| 3 P   | Chloromethane               | 0.400 | 0.374 | 6.5    | 69    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.411 | 0.365 | 11.2#  | 64    | 0.00     |
| 5 T   | Bromomethane                | 0.185 | 0.142 | 23.2   | 61    | 0.00     |
| 6 T   | Chloroethane                | 0.277 | 0.257 | 7.2    | 72    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.720 | 0.631 | 12.4   | 64    | 0.00     |
| 8 T   | Diethyl Ether               | 0.259 | 0.304 | -17.4  | 85    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.468 | 0.396 | 15.4   | 62    | 0.00     |
| 10 T  | Methyl Iodide               | 0.544 | 0.460 | 15.4   | 61    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.124 | 0.158 | -27.4# | 91    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.430 | 0.375 | 12.8#  | 68    | 0.00     |
| 13 T  | Acrolein                    | 0.093 | 0.112 | -20.4  | 87    | 0.00     |
| 14 T  | Allyl chloride              | 0.789 | 0.863 | -9.4   | 82    | 0.00     |
| 15 T  | Acrylonitrile               | 0.291 | 0.371 | -27.5# | 90    | 0.00     |
| 16 T  | Acetone                     | 0.286 | 0.334 | -16.8  | 87    | 0.00     |
| 17 T  | Carbon Disulfide            | 0.879 | 0.692 | 21.3   | 63    | 0.00     |
| 18 T  | Methyl Acetate              | 0.704 | 0.848 | -20.5  | 90    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.637 | 2.078 | -26.9# | 92    | 0.00     |
| 20 T  | Methylene Chloride          | 0.514 | 0.557 | -8.4   | 83    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.466 | 0.434 | 6.9    | 72    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.581 | 1.952 | -23.5  | 100   | 0.00     |
| 23 T  | Vinyl Acetate               | 1.366 | 1.748 | -28.0# | 102   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.889 | 1.010 | -13.6  | 91    | 0.00     |
| 25 T  | 2-Butanone                  | 0.415 | 0.513 | -23.6  | 99    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.710 | 0.718 | -1.1   | 79    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.562 | 0.633 | -12.6  | 84    | 0.00     |
| 28 T  | Bromochloromethane          | 0.382 | 0.386 | -1.0   | 81    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.267 | 0.295 | -10.5  | 88    | 0.00     |
| 30 C  | Chloroform                  | 0.988 | 1.107 | -12.0# | 87    | 0.00     |
| 31 T  | Cyclohexane                 | 0.713 | 0.558 | 21.7   | 60    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.855 | 0.919 | -7.5   | 83    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.645 | 0.789 | -22.3  | 91    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 90    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.323 | 0.324 | -0.3   | 92    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.406 | 0.340 | 16.3   | 74    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.504 | 0.497 | 1.4    | 95    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.449 | 0.405 | 9.8    | 77    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.478 | 0.296 | 38.1#  | 54    | 0.00     |
| 40 TM | Benzene                     | 1.232 | 1.140 | 7.5    | 79    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.268 | 0.254 | 5.2    | 86    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.492 | 0.522 | -6.1   | 85    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.807 | 0.852 | -5.6   | 82    | 0.00     |
| 44 TM | Trichloroethene             | 0.335 | 0.286 | 14.6   | 76    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.331 | 0.332 | -0.3#  | 85    | 0.00     |
| 46 T  | Dibromomethane              | 0.249 | 0.242 | 2.8    | 83    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.496 | 0.513 | -3.4   | 88    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.423 | 0.421 | 0.5    | 81    | 0.00     |

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 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 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                 | 0.008 | 0.008 | 0.0   | 77    | 0.00     |
| 50 S  | Toluene-d8                  | 1.136 | 1.040 | 8.5   | 82    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.560 | 0.588 | -5.0  | 86    | 0.00     |
| 52 CM | Toluene                     | 0.776 | 0.717 | 7.6#  | 79    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.497 | 0.517 | -4.0  | 86    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.523 | 0.530 | -1.3  | 84    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.344 | 0.360 | -4.7  | 90    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.545 | 0.574 | -5.3  | 86    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.579 | 0.590 | -1.9  | 86    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.272 | 0.303 | -11.4 | 91    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.431 | 0.453 | -5.1  | 86    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.357 | 0.402 | -12.6 | 94    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.360 | 0.370 | -2.8  | 87    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.483 | 0.463 | 4.1   | 85    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.339 | 0.225 | 33.6# | 60    | 0.00     |
| 65 PM | Chlorobenzene               | 0.985 | 0.895 | 9.1   | 83    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.369 | 0.367 | 0.5   | 87    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.787 | 1.534 | 14.2# | 76    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.657 | 0.574 | 12.6  | 77    | 0.00     |
| 69 T  | o-Xylene                    | 0.642 | 0.598 | 6.9   | 81    | 0.00     |
| 70 T  | Styrene                     | 1.091 | 1.044 | 4.3   | 84    | 0.00     |
| 71 P  | Bromoform                   | 0.264 | 0.319 | -20.8 | 102   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.723 | 3.028 | 18.7  | 76    | 0.00     |
| 74 T  | N-amyl acetate              | 1.677 | 1.662 | 0.9   | 87    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.264 | 1.322 | -4.6  | 95    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.173 | 1.201 | -2.4  | 90    | 0.00     |
| 77 T  | Bromobenzene                | 0.849 | 0.796 | 6.2   | 85    | 0.00     |
| 78 T  | n-propylbenzene             | 4.448 | 3.472 | 21.9  | 73    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.795 | 2.365 | 15.4  | 80    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.230 | 2.647 | 18.0  | 76    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.359 | 0.378 | -5.3  | 92    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.207 | 2.722 | 15.1  | 79    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.124 | 2.625 | 16.0  | 79    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.221 | 2.753 | 14.5  | 79    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.855 | 2.990 | 22.4  | 71    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.206 | 2.536 | 20.9  | 72    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.671 | 1.439 | 13.9  | 82    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.721 | 1.482 | 13.9  | 83    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.883 | 2.134 | 26.0# | 67    | 0.00     |
| 90 T  | Hexachloroethane            | 0.515 | 0.465 | 9.7   | 84    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.650 | 1.542 | 6.5   | 89    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.304 | 0.290 | 4.6   | 84    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.009 | 0.896 | 11.2  | 85    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.471 | 0.338 | 28.2# | 71    | 0.00     |
| 95 T  | Naphthalene                 | 3.524 | 3.563 | -1.1  | 92    | 0.00     |

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MSVOA\_X  
LabSampleId :  
VSTDCCC050

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Quant Title : SW846 8260  
QLast Update : Wed Mar 30 04:39:27 2022  
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 | 0.989 | 0.874 | 11.6 | 81    | 0.00     |

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