

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032123\  
 Data File : VX034659.D  
 Acq On : 21 Mar 2023 19:22  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 22 02:07:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 13 10:29:32 2023  
 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   | 81    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.466 | 0.427 | 8.4   | 72    | 0.00     |
| 3 P   | Chloromethane               | 0.839 | 0.712 | 15.1  | 82    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.635 | 0.609 | 4.1#  | 77    | 0.00     |
| 5 T   | Bromomethane                | 0.320 | 0.322 | -0.6  | 75    | 0.00     |
| 6 T   | Chloroethane                | 0.365 | 0.374 | -2.5  | 78    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.954 | 0.889 | 6.8   | 72    | 0.00     |
| 8 T   | Diethyl Ether               | 0.348 | 0.411 | -18.1 | 94    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.556 | 0.464 | 16.5  | 65    | 0.00     |
| 10 T  | Methyl Iodide               | 0.730 | 0.638 | 12.6  | 70    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.151 | 0.153 | -1.3  | 92    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.547 | 0.497 | 9.1#  | 73    | 0.00     |
| 13 T  | Acrolein                    | 0.120 | 0.084 | 30.0# | 62    | 0.00     |
| 14 T  | Allyl chloride              | 1.110 | 1.084 | 2.3   | 81    | 0.00     |
| 15 T  | Acrylonitrile               | 0.327 | 0.373 | -14.1 | 92    | 0.00     |
| 16 T  | Acetone                     | 0.343 | 0.318 | 7.3   | 76    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.540 | 1.235 | 19.8  | 67    | 0.00     |
| 18 T  | Methyl Acetate              | 1.120 | 1.376 | -22.9 | 102   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.960 | 2.228 | -13.7 | 92    | 0.00     |
| 20 T  | Methylene Chloride          | 0.665 | 0.705 | -6.0  | 91    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.581 | 0.586 | -0.9  | 78    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.116 | 2.378 | -12.4 | 88    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.610 | 1.810 | -12.4 | 87    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.137 | 1.191 | -4.7  | 84    | 0.00     |
| 25 T  | 2-Butanone                  | 0.490 | 0.528 | -7.8  | 86    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.989 | 0.821 | 17.0  | 66    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.700 | 0.735 | -5.0  | 84    | 0.00     |
| 28 T  | Bromochloromethane          | 0.529 | 0.561 | -6.0  | 84    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.303 | 0.345 | -13.9 | 92    | 0.00     |
| 30 C  | Chloroform                  | 1.115 | 1.213 | -8.8# | 84    | 0.00     |
| 31 T  | Cyclohexane                 | 1.020 | 0.843 | 17.4  | 64    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.987 | 0.955 | 3.2   | 75    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.727 | 0.811 | -11.6 | 102   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 88    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.330 | 0.339 | -2.7  | 97    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.507 | 0.434 | 14.4  | 71    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.554 | 0.598 | -7.9  | 92    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.504 | 0.417 | 17.3  | 68    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.607 | 0.434 | 28.5# | 57    | 0.00     |
| 40 TM | Benzene                     | 1.483 | 1.442 | 2.8   | 82    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.304 | 0.325 | -6.9  | 91    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.545 | 0.602 | -10.5 | 92    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.938 | 1.004 | -7.0  | 90    | 0.00     |
| 44 TM | Trichloroethene             | 0.385 | 0.346 | 10.1  | 76    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.387 | 0.394 | -1.8# | 85    | 0.00     |
| 46 T  | Dibromomethane              | 0.263 | 0.281 | -6.8  | 90    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.510 | 0.524 | -2.7  | 84    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.451 | 0.488 | -8.2  | 90    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 22 02:07:36 2023  
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 Quant Title : SW846 8260  
 QLast Update : Mon Mar 13 10:29:32 2023  
 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 | 0.010 | -11.1 | 91    | 0.00     |
| 50 S  | Toluene-d8                  | 1.232 | 1.261 | -2.4  | 94    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.544 | 0.633 | -16.4 | 97    | 0.00     |
| 52 CM | Toluene                     | 0.918 | 0.967 | -5.3# | 87    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.574 | 0.661 | -15.2 | 92    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.621 | 0.697 | -12.2 | 91    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.364 | 0.423 | -16.2 | 95    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.598 | 0.700 | -17.1 | 95    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.648 | 0.764 | -17.9 | 98    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.308 | 0.321 | -4.2  | 97    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.421 | 0.491 | -16.6 | 97    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.382 | 0.453 | -18.6 | 95    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.393 | 0.462 | -17.6 | 97    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.498 | 0.555 | -11.4 | 105   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 101   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.336 | 0.293 | 12.8  | 82    | 0.00     |
| 65 PM | Chlorobenzene               | 1.097 | 1.034 | 5.7   | 91    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.400 | 0.396 | 1.0   | 93    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.964 | 1.790 | 8.9#  | 86    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.754 | 0.690 | 8.5   | 87    | 0.00     |
| 69 T  | o-Xylene                    | 0.757 | 0.702 | 7.3   | 89    | 0.00     |
| 70 T  | Styrene                     | 1.222 | 1.200 | 1.8   | 92    | 0.00     |
| 71 P  | Bromoform                   | 0.308 | 0.306 | 0.6   | 92    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 100   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.864 | 3.338 | 13.6  | 82    | 0.00     |
| 74 T  | N-amyl acetate              | 1.851 | 1.893 | -2.3  | 98    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.290 | 1.303 | -1.0  | 97    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.148 | 1.107 | 3.6   | 98    | 0.00     |
| 77 T  | Bromobenzene                | 0.927 | 0.907 | 2.2   | 94    | 0.00     |
| 78 T  | n-propylbenzene             | 4.463 | 3.825 | 14.3  | 78    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.756 | 2.516 | 8.7   | 86    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.241 | 2.896 | 10.6  | 83    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.424 | 0.378 | 10.8  | 84    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.175 | 2.963 | 6.7   | 87    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.268 | 2.739 | 16.2  | 79    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.313 | 3.015 | 9.0   | 87    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.995 | 3.156 | 21.0  | 73    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.358 | 2.751 | 18.1  | 75    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.817 | 1.667 | 8.3   | 88    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.837 | 1.676 | 8.8   | 89    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.985 | 2.274 | 23.8  | 68    | 0.00     |
| 90 T  | Hexachloroethane            | 0.621 | 0.464 | 25.3# | 67    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.756 | 1.681 | 4.3   | 92    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.293 | 0.296 | -1.0  | 94    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.098 | 0.967 | 11.9  | 79    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.442 | 0.330 | 25.3# | 67    | 0.00     |
| 95 T  | Naphthalene                 | 3.681 | 3.685 | -0.1  | 93    | 0.00     |

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Quant Title : SW846 8260  
QLast Update : Mon Mar 13 10:29:32 2023  
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 | 1.073 | 0.985 | 8.2  | 85    | 0.00     |

(#) = Out of Range

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