

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX010824\  
 Data File : VX039652.D  
 Acq On : 08 Jan 2024 09:09  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 09 04:29:09 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 14 01:28:15 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   | 79    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.703 | 0.673 | 4.3   | 73    | 0.00     |
| 3 P   | Chloromethane               | 0.779 | 0.743 | 4.6   | 75    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.724 | 0.732 | -1.1# | 81    | 0.00     |
| 5 T   | Bromomethane                | 0.417 | 0.455 | -9.1  | 79    | 0.00     |
| 6 T   | Chloroethane                | 0.437 | 0.442 | -1.1  | 84    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.061 | 1.098 | -3.5  | 82    | 0.00     |
| 8 T   | Diethyl Ether               | 0.367 | 0.410 | -11.7 | 89    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.647 | 0.666 | -2.9  | 83    | 0.00     |
| 10 T  | Methyl Iodide               | 0.669 | 0.656 | 1.9   | 78    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.230 | 0.196 | 14.8  | 70    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.643 | 0.631 | 1.9#  | 78    | 0.00     |
| 13 T  | Acrolein                    | 0.183 | 0.158 | 13.7  | 69    | 0.00     |
| 14 T  | Allyl chloride              | 1.303 | 1.277 | 2.0   | 79    | 0.00     |
| 15 T  | Acrylonitrile               | 0.460 | 0.469 | -2.0  | 81    | 0.00     |
| 16 T  | Acetone                     | 0.661 | 0.656 | 0.8   | 101   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.882 | 1.654 | 12.1  | 70    | 0.00     |
| 18 T  | Methyl Acetate              | 1.981 | 2.187 | -10.4 | 86    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.325 | 2.368 | -1.8  | 82    | 0.00     |
| 20 T  | Methylene Chloride          | 0.764 | 0.763 | 0.1   | 82    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.700 | 0.686 | 2.0   | 79    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.371 | 2.513 | -6.0  | 85    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.765 | 1.809 | -2.5  | 80    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.340 | 1.358 | -1.3  | 82    | 0.00     |
| 25 T  | 2-Butanone                  | 0.790 | 0.747 | 5.4   | 84    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.170 | 1.152 | 1.5   | 79    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.772 | 0.803 | -4.0  | 82    | 0.00     |
| 28 T  | Bromochloromethane          | 0.654 | 0.741 | -13.3 | 85    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.436 | 0.436 | 0.0   | 79    | 0.00     |
| 30 C  | Chloroform                  | 1.339 | 1.383 | -3.3# | 84    | 0.00     |
| 31 T  | Cyclohexane                 | 1.183 | 1.146 | 3.1   | 77    | -0.01    |
| 32 T  | 1,1,1-Trichloroethane       | 1.163 | 1.177 | -1.2  | 80    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.916 | 0.913 | 0.3   | 84    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 78    | -0.01    |
| 35 S  | Dibromofluoromethane        | 0.345 | 0.374 | -8.4  | 89    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.545 | 0.548 | -0.6  | 79    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.673 | 0.688 | -2.2  | 79    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.520 | 0.536 | -3.1  | 79    | -0.01    |
| 39 T  | Methylcyclohexane           | 0.655 | 0.670 | -2.3  | 80    | 0.00     |
| 40 TM | Benzene                     | 1.542 | 1.605 | -4.1  | 81    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.359 | 0.381 | -6.1  | 80    | -0.01    |
| 42 TM | 1,2-Dichloroethane          | 0.624 | 0.635 | -1.8  | 79    | 0.00     |
| 43 T  | Isopropyl Acetate           | 1.095 | 1.131 | -3.3  | 80    | 0.00     |
| 44 TM | Trichloroethene             | 0.389 | 0.393 | -1.0  | 81    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.414 | 0.449 | -8.5# | 85    | 0.00     |
| 46 T  | Dibromomethane              | 0.291 | 0.303 | -4.1  | 82    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.556 | 0.606 | -9.0  | 83    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.640 | 0.671 | -4.8  | 80    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 09 04:29:09 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 14 01:28:15 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 | 0.009 | 0.0   | 76    | 0.00     |
| 50 S  | Toluene-d8                  | 1.282 | 1.361 | -6.2  | 86    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.698 | 0.737 | -5.6  | 82    | 0.00     |
| 52 CM | Toluene                     | 0.931 | 0.979 | -5.2# | 82    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.612 | 0.649 | -6.0  | 80    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.659 | 0.702 | -6.5  | 81    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.389 | 0.419 | -7.7  | 85    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.474 | 0.532 | -12.2 | 83    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.672 | 0.712 | -6.0  | 83    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.279 | 0.317 | -13.6 | 84    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.602 | 0.620 | -3.0  | 85    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.393 | 0.437 | -11.2 | 86    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.415 | 0.443 | -6.7  | 82    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.529 | 0.549 | -3.8  | 87    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 77    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.327 | 0.331 | -1.2  | 83    | 0.00     |
| 65 PM | Chlorobenzene               | 1.091 | 1.121 | -2.7  | 83    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.385 | 0.421 | -9.4  | 85    | 0.00     |
| 67 C  | Ethyl Benzene               | 2.031 | 2.152 | -6.0# | 83    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.728 | 0.772 | -6.0  | 83    | 0.00     |
| 69 T  | o-Xylene                    | 0.704 | 0.752 | -6.8  | 83    | 0.00     |
| 70 T  | Styrene                     | 1.030 | 1.130 | -9.7  | 85    | 0.00     |
| 71 P  | Bromoform                   | 0.287 | 0.328 | -14.3 | 86    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 80    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.858 | 4.088 | -6.0  | 85    | 0.00     |
| 74 T  | N-amyl acetate              | 1.952 | 2.096 | -7.4  | 84    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.435 | 1.538 | -7.2  | 87    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.294 | 1.314 | -1.5  | 81    | 0.00     |
| 77 T  | Bromobenzene                | 0.853 | 0.897 | -5.2  | 85    | 0.00     |
| 78 T  | n-propylbenzene             | 4.753 | 5.044 | -6.1  | 85    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.875 | 2.940 | -2.3  | 84    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.286 | 3.513 | -6.9  | 86    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.459 | 0.461 | -0.4  | 79    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.377 | 3.472 | -2.8  | 84    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.128 | 3.362 | -7.5  | 86    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.370 | 3.551 | -5.4  | 85    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.980 | 4.345 | -9.2  | 89    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.340 | 3.642 | -9.0  | 88    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.676 | 1.749 | -4.4  | 86    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.745 | 1.786 | -2.3  | 88    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.283 | 3.687 | -12.3 | 89    | 0.00     |
| 90 T  | Hexachloroethane            | 0.603 | 0.687 | -13.9 | 88    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.604 | 1.689 | -5.3  | 87    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.378 | 0.382 | -1.1  | 75    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.050 | 1.136 | -8.2  | 87    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.396 | 0.460 | -16.2 | 97    | 0.00     |
| 95 T  | Naphthalene                 | 3.657 | 3.948 | -8.0  | 85    | 0.00     |

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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Jan 09 04:29:09 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 14 01:28:15 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 | 1.014 | 1.091 | -7.6 | 88    | 0.00     |

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