

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX020124\  
 Data File : VX040072.D  
 Acq On : 01 Feb 2024 16:39  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 02 01:42:16 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X013024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 01 05:44:39 2024  
 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    | 95    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.563 | 0.627 | -11.4  | 119   | 0.00     |
| 3 P   | Chloromethane               | 0.534 | 0.596 | -11.6  | 127   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.494 | 0.600 | -21.5# | 127   | 0.00     |
| 5 T   | Bromomethane                | 0.480 | 0.449 | 6.5    | 116   | 0.00     |
| 6 T   | Chloroethane                | 0.326 | 0.337 | -3.4   | 107   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.786 | 0.675 | 14.1   | 92    | 0.00     |
| 8 T   | Diethyl Ether               | 0.278 | 0.253 | 9.0    | 93    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.586 | 0.585 | 0.2    | 99    | 0.00     |
| 10 T  | Methyl Iodide               | 0.624 | 0.700 | -12.2  | 101   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.146 | 0.138 | 5.5    | 96    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.562 | 0.561 | 0.2#   | 98    | 0.00     |
| 13 T  | Acrolein                    | 0.140 | 0.147 | -5.0   | 110   | 0.00     |
| 14 T  | Allyl chloride              | 1.014 | 1.017 | -0.3   | 98    | 0.00     |
| 15 T  | Acrylonitrile               | 0.366 | 0.378 | -3.3   | 102   | 0.00     |
| 16 T  | Acetone                     | 0.377 | 0.339 | 10.1   | 95    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.644 | 1.514 | 7.9    | 93    | 0.00     |
| 18 T  | Methyl Acetate              | 0.893 | 1.036 | -16.0  | 105   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.926 | 1.965 | -2.0   | 99    | 0.00     |
| 20 T  | Methylene Chloride          | 0.670 | 0.668 | 0.3    | 100   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.619 | 0.611 | 1.3    | 97    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.964 | 2.084 | -6.1   | 102   | 0.00     |
| 23 T  | Vinyl Acetate               | 1.757 | 1.864 | -6.1   | 99    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.125 | 1.150 | -2.2   | 99    | 0.00     |
| 25 T  | 2-Butanone                  | 0.524 | 0.525 | -0.2   | 99    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.877 | 0.834 | 4.9    | 91    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.691 | 0.713 | -3.2   | 97    | 0.00     |
| 28 T  | Bromochloromethane          | 0.524 | 0.563 | -7.4   | 103   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.333 | 0.351 | -5.4   | 101   | 0.00     |
| 30 C  | Chloroform                  | 1.208 | 1.215 | -0.6#  | 99    | 0.00     |
| 31 T  | Cyclohexane                 | 1.008 | 0.964 | 4.4    | 95    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.036 | 1.016 | 1.9    | 95    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.805 | 0.725 | 9.9    | 94    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 95    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.340 | 0.314 | 7.6    | 93    | -0.01    |
| 36 T  | 1,1-Dichloropropene         | 0.492 | 0.503 | -2.2   | 98    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.538 | 0.586 | -8.9   | 102   | -0.01    |
| 38 T  | Carbon Tetrachloride        | 0.471 | 0.472 | -0.2   | 93    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.599 | 0.575 | 4.0    | 91    | 0.00     |
| 40 TM | Benzene                     | 1.434 | 1.461 | -1.9   | 98    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.273 | 0.314 | -15.0  | 101   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.552 | 0.565 | -2.4   | 98    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.848 | 0.939 | -10.7  | 102   | 0.00     |
| 44 TM | Trichloroethene             | 0.377 | 0.371 | 1.6    | 94    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.379 | 0.386 | -1.8#  | 100   | 0.00     |
| 46 T  | Dibromomethane              | 0.284 | 0.290 | -2.1   | 100   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.506 | 0.540 | -6.7   | 100   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.418 | 0.469 | -12.2  | 101   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 02 01:42:16 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X013024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 01 05:44:39 2024  
 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   | 90    | 0.00     |
| 50 S  | Toluene-d8                  | 1.273 | 1.180 | 7.3   | 93    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.579 | 0.635 | -9.7  | 101   | 0.00     |
| 52 CM | Toluene                     | 0.894 | 0.917 | -2.6# | 98    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.525 | 0.553 | -5.3  | 98    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.560 | 0.608 | -8.6  | 97    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.370 | 0.391 | -5.7  | 101   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.540 | 0.608 | -12.6 | 100   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.609 | 0.649 | -6.6  | 99    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.272 | 0.312 | -14.7 | 104   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.461 | 0.500 | -8.5  | 101   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.372 | 0.401 | -7.8  | 99    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.400 | 0.414 | -3.5  | 100   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.490 | 0.441 | 10.0  | 90    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.325 | 0.335 | -3.1  | 103   | 0.00     |
| 65 PM | Chlorobenzene               | 1.033 | 1.037 | -0.4  | 99    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.349 | 0.372 | -6.6  | 101   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.854 | 1.918 | -3.5# | 99    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.698 | 0.715 | -2.4  | 98    | 0.00     |
| 69 T  | o-Xylene                    | 0.662 | 0.697 | -5.3  | 97    | 0.00     |
| 70 T  | Styrene                     | 1.115 | 1.183 | -6.1  | 98    | 0.00     |
| 71 P  | Bromoform                   | 0.267 | 0.285 | -6.7  | 97    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 90    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.590 | 3.851 | -7.3  | 98    | 0.00     |
| 74 T  | N-amyl acetate              | 1.635 | 1.890 | -15.6 | 100   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.350 | 1.342 | 0.6   | 93    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.065 | 1.091 | -2.4  | 95    | 0.00     |
| 77 T  | Bromobenzene                | 0.828 | 0.875 | -5.7  | 97    | 0.00     |
| 78 T  | n-propylbenzene             | 4.418 | 4.529 | -2.5  | 94    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.660 | 2.632 | 1.1   | 93    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.086 | 3.214 | -4.1  | 94    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.342 | 0.363 | -6.1  | 95    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.053 | 3.182 | -4.2  | 96    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.953 | 3.012 | -2.0  | 93    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.080 | 3.215 | -4.4  | 94    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.913 | 3.907 | 0.2   | 92    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.195 | 3.198 | -0.1  | 91    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.671 | 1.662 | 0.5   | 93    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.710 | 1.699 | 0.6   | 94    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.101 | 3.026 | 2.4   | 88    | 0.00     |
| 90 T  | Hexachloroethane            | 0.505 | 0.509 | -0.8  | 87    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.611 | 1.617 | -0.4  | 93    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.306 | 0.299 | 2.3   | 90    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.007 | 1.078 | -7.1  | 96    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.397 | 0.393 | 1.0   | 90    | 0.00     |
| 95 T  | Naphthalene                 | 3.420 | 3.664 | -7.1  | 93    | 0.00     |

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MSVOA\_X  
LabSampleId :  
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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 | 0.996 | 1.048 | -5.2 | 96    | 0.00     |

(#) = Out of Range

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