

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060821\  
 Data File : VX022553.D  
 Acq On : 08 Jun 2021 10:50  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 09 03:58:17 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X060721W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 07 14:27:50 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   | 97    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.583 | 0.623 | -6.9  | 94    | 0.00     |
| 3 P   | Chloromethane               | 0.704 | 0.678 | 3.7   | 94    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.687 | 0.668 | 2.8#  | 93    | 0.00     |
| 5 T   | Bromomethane                | 0.361 | 0.348 | 3.6   | 94    | 0.00     |
| 6 T   | Chloroethane                | 0.433 | 0.413 | 4.6   | 92    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.001 | 0.980 | 2.1   | 92    | 0.00     |
| 8 T   | Diethyl Ether               | 0.408 | 0.388 | 4.9   | 93    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.614 | 0.614 | 0.0   | 96    | 0.00     |
| 10 T  | Methyl Iodide               | 0.722 | 0.646 | 10.5  | 86    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.199 | 0.180 | 9.5   | 90    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.634 | 0.592 | 6.6#  | 92    | 0.00     |
| 13 T  | Acrolein                    | 0.101 | 0.079 | 21.8  | 87    | 0.00     |
| 14 T  | Allyl chloride              | 1.163 | 1.146 | 1.5   | 93    | 0.00     |
| 15 T  | Acrylonitrile               | 0.416 | 0.396 | 4.8   | 93    | 0.00     |
| 16 T  | Acetone                     | 0.399 | 0.398 | 0.3   | 101   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.531 | 1.376 | 10.1  | 93    | 0.00     |
| 18 T  | Methyl Acetate              | 1.101 | 1.037 | 5.8   | 92    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.114 | 2.022 | 4.4   | 92    | 0.00     |
| 20 T  | Methylene Chloride          | 0.834 | 0.730 | 12.5  | 93    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.714 | 0.676 | 5.3   | 94    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.332 | 2.223 | 4.7   | 94    | 0.00     |
| 23 T  | Vinyl Acetate               | 2.195 | 2.131 | 2.9   | 92    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.327 | 1.270 | 4.3   | 93    | 0.00     |
| 25 T  | 2-Butanone                  | 0.660 | 0.631 | 4.4   | 94    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.017 | 1.037 | -2.0  | 95    | -0.01    |
| 27 T  | cis-1,2-Dichloroethene      | 0.838 | 0.780 | 6.9   | 92    | 0.00     |
| 28 T  | Bromochloromethane          | 0.671 | 0.613 | 8.6   | 95    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.387 | 0.361 | 6.7   | 90    | 0.00     |
| 30 C  | Chloroform                  | 1.333 | 1.286 | 3.5#  | 94    | 0.00     |
| 31 T  | Cyclohexane                 | 1.051 | 1.042 | 0.9   | 92    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.057 | 1.058 | -0.1  | 93    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.889 | 0.793 | 10.8  | 94    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 94    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.313 | 0.300 | 4.2   | 93    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.484 | 0.503 | -3.9  | 94    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.620 | 0.597 | 3.7   | 90    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.406 | 0.431 | -6.2  | 91    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.523 | 0.566 | -8.2  | 98    | 0.00     |
| 40 TM | Benzene                     | 1.493 | 1.515 | -1.5  | 93    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.341 | 0.337 | 1.2   | 95    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.550 | 0.551 | -0.2  | 93    | 0.00     |
| 43 T  | Isopropyl Acetate           | 1.006 | 1.008 | -0.2  | 92    | 0.00     |
| 44 TM | Trichloroethene             | 0.352 | 0.363 | -3.1  | 95    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.384 | 0.401 | -4.4# | 95    | 0.00     |
| 46 T  | Dibromomethane              | 0.262 | 0.255 | 2.7   | 92    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.454 | 0.491 | -8.1  | 94    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.468 | 0.475 | -1.5  | 94    | 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: Jun 09 03:58:17 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X060721W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 07 14:27:50 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) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.009 | 0.010 | -11.1 | 94    | 0.00     |
| 50 S  | Toluene-d8                  | 1.248 | 1.218 | 2.4   | 95    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.627 | 0.647 | -3.2  | 93    | 0.00     |
| 52 CM | Toluene                     | 0.938 | 0.942 | -0.4# | 95    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.536 | 0.572 | -6.7  | 95    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.576 | 0.622 | -8.0  | 94    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.365 | 0.383 | -4.9  | 94    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.602 | 0.640 | -6.3  | 95    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.660 | 0.675 | -2.3  | 94    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.353 | 0.341 | 3.4   | 94    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.479 | 0.499 | -4.2  | 94    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.304 | 0.332 | -9.2  | 94    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.385 | 0.394 | -2.3  | 94    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.464 | 0.460 | 0.9   | 101   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.335 | 0.347 | -3.6  | 96    | 0.00     |
| 65 PM | Chlorobenzene               | 1.039 | 1.064 | -2.4  | 96    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.328 | 0.348 | -6.1  | 93    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.912 | 1.990 | -4.1# | 96    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.695 | 0.735 | -5.8  | 97    | 0.00     |
| 69 T  | o-Xylene                    | 0.679 | 0.716 | -5.4  | 96    | 0.00     |
| 70 T  | Styrene                     | 1.149 | 1.221 | -6.3  | 97    | 0.00     |
| 71 P  | Bromoform                   | 0.194 | 0.213 | -9.8  | 94    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 73 T  | Isopropylbenzene            | 4.075 | 4.263 | -4.6  | 97    | 0.00     |
| 74 T  | N-amyl acetate              | 2.186 | 2.179 | 0.3   | 92    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.467 | 1.474 | -0.5  | 95    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.295 | 1.347 | -4.0  | 95    | 0.00     |
| 77 T  | Bromobenzene                | 0.878 | 0.876 | 0.2   | 96    | 0.00     |
| 78 T  | n-propylbenzene             | 4.946 | 5.133 | -3.8  | 98    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.943 | 2.998 | -1.9  | 98    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.482 | 3.627 | -4.2  | 98    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.449 | 0.458 | -2.0  | 94    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.407 | 3.573 | -4.9  | 99    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.102 | 3.276 | -5.6  | 96    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.502 | 3.656 | -4.4  | 97    | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.128 | 4.410 | -6.8  | 98    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.412 | 3.730 | -9.3  | 100   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.705 | 1.749 | -2.6  | 99    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.776 | 1.747 | 1.6   | 98    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.276 | 3.624 | -10.6 | 100   | 0.00     |
| 90 T  | Hexachloroethane            | 0.477 | 0.507 | -6.3  | 93    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.618 | 1.673 | -3.4  | 98    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.269 | 0.301 | -11.9 | 94    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.973 | 1.025 | -5.3  | 102   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.349 | 0.367 | -5.2  | 101   | 0.00     |
| 95 T  | Naphthalene                 | 3.900 | 4.157 | -6.6  | 97    | 0.00     |

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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Jun 09 03:58:17 2021  
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Quant Title : SW846 8260  
QLast Update : Mon Jun 07 14:27:50 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) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 0.972 | 1.024 | -5.3 | 99    | 0.00     |

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