

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040924\  
 Data File : VX040941.D  
 Acq On : 09 Apr 2024 09:07  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 10 00:32:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040124W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 02 05:40:55 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   | 96    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.678 | 0.596 | 12.1  | 84    | 0.00     |
| 3 P   | Chloromethane               | 0.585 | 0.584 | 0.2   | 95    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.604 | 0.637 | -5.5# | 102   | 0.00     |
| 5 T   | Bromomethane                | 0.372 | 0.438 | -17.7 | 101   | 0.00     |
| 6 T   | Chloroethane                | 0.390 | 0.398 | -2.1  | 100   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.157 | 1.153 | 0.3   | 96    | 0.00     |
| 8 T   | Diethyl Ether               | 0.374 | 0.365 | 2.4   | 97    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.596 | 0.569 | 4.5   | 93    | 0.00     |
| 10 T  | Methyl Iodide               | 0.723 | 0.638 | 11.8  | 83    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.164 | 0.154 | 6.1   | 90    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.559 | 0.519 | 7.2#  | 92    | 0.00     |
| 13 T  | Acrolein                    | 0.089 | 0.090 | -1.1  | 96    | 0.00     |
| 14 T  | Allyl chloride              | 1.002 | 0.960 | 4.2   | 91    | 0.00     |
| 15 T  | Acrylonitrile               | 0.346 | 0.320 | 7.5   | 88    | 0.00     |
| 16 T  | Acetone                     | 0.348 | 0.346 | 0.6   | 98    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.618 | 1.359 | 16.0  | 86    | 0.00     |
| 18 T  | Methyl Acetate              | 0.826 | 0.737 | 10.8  | 85    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.969 | 1.855 | 5.8   | 92    | 0.00     |
| 20 T  | Methylene Chloride          | 0.646 | 0.567 | 12.2  | 92    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.591 | 0.528 | 10.7  | 92    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.950 | 1.921 | 1.5   | 95    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.869 | 1.850 | 1.0   | 93    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.114 | 1.049 | 5.8   | 92    | 0.00     |
| 25 T  | 2-Butanone                  | 0.517 | 0.479 | 7.4   | 88    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.957 | 0.931 | 2.7   | 94    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.682 | 0.643 | 5.7   | 93    | 0.00     |
| 28 T  | Bromochloromethane          | 0.501 | 0.490 | 2.2   | 99    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.336 | 0.315 | 6.3   | 89    | 0.00     |
| 30 C  | Chloroform                  | 1.213 | 1.191 | 1.8#  | 95    | 0.00     |
| 31 T  | Cyclohexane                 | 0.952 | 0.891 | 6.4   | 90    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.078 | 1.063 | 1.4   | 92    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.897 | 0.869 | 3.1   | 98    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 94    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.354 | 0.362 | -2.3  | 97    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.503 | 0.481 | 4.4   | 92    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.618 | 0.576 | 6.8   | 88    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.557 | 0.563 | -1.1  | 94    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.601 | 0.568 | 5.5   | 90    | 0.00     |
| 40 TM | Benzene                     | 1.397 | 1.362 | 2.5   | 93    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.317 | 0.323 | -1.9  | 92    | -0.01    |
| 42 TM | 1,2-Dichloroethane          | 0.607 | 0.601 | 1.0   | 93    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.954 | 0.948 | 0.6   | 91    | 0.00     |
| 44 TM | Trichloroethene             | 0.349 | 0.339 | 2.9   | 93    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.333 | 0.341 | -2.4# | 94    | 0.00     |
| 46 T  | Dibromomethane              | 0.273 | 0.278 | -1.8  | 95    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.569 | 0.577 | -1.4  | 96    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.467 | 0.475 | -1.7  | 90    | 0.00     |

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

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 10 00:32:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040124W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 02 05:40:55 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 | 0.008 | 11.1 | 75    | 0.00     |
| 50 S  | Toluene-d8                  | 1.280 | 1.290 | -0.8 | 97    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.633 | 0.635 | -0.3 | 91    | 0.00     |
| 52 CM | Toluene                     | 0.881 | 0.864 | 1.9# | 92    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.540 | 0.569 | -5.4 | 92    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.564 | 0.585 | -3.7 | 94    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.344 | 0.344 | 0.0  | 92    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.591 | 0.598 | -1.2 | 90    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.601 | 0.599 | 0.3  | 94    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.286 | 0.295 | -3.1 | 96    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.508 | 0.503 | 1.0  | 90    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.411 | 0.435 | -5.8 | 98    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.371 | 0.368 | 0.8  | 93    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.511 | 0.518 | -1.4 | 99    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0  | 95    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.331 | 0.318 | 3.9  | 93    | 0.00     |
| 65 PM | Chlorobenzene               | 1.094 | 1.055 | 3.6  | 96    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.363 | 0.371 | -2.2 | 96    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.950 | 1.907 | 2.2# | 93    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.710 | 0.695 | 2.1  | 93    | 0.00     |
| 69 T  | o-Xylene                    | 0.668 | 0.674 | -0.9 | 95    | 0.00     |
| 70 T  | Styrene                     | 1.158 | 1.177 | -1.6 | 93    | 0.00     |
| 71 P  | Bromoform                   | 0.302 | 0.319 | -5.6 | 94    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0  | 96    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.492 | 3.405 | 2.5  | 93    | 0.00     |
| 74 T  | N-amyl acetate              | 1.769 | 1.760 | 0.5  | 92    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.194 | 1.154 | 3.4  | 92    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.066 | 1.007 | 5.5  | 94    | 0.00     |
| 77 T  | Bromobenzene                | 0.819 | 0.817 | 0.2  | 93    | 0.00     |
| 78 T  | n-propylbenzene             | 4.364 | 4.253 | 2.5  | 94    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.605 | 2.493 | 4.3  | 96    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.983 | 2.995 | -0.4 | 94    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.395 | 0.376 | 4.8  | 87    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.110 | 3.046 | 2.1  | 95    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.959 | 2.912 | 1.6  | 95    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.005 | 3.021 | -0.5 | 94    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.758 | 3.741 | 0.5  | 95    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.152 | 3.173 | -0.7 | 94    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.656 | 1.594 | 3.7  | 96    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.757 | 1.630 | 7.2  | 95    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.114 | 3.131 | -0.5 | 95    | 0.00     |
| 90 T  | Hexachloroethane            | 0.549 | 0.556 | -1.3 | 95    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.623 | 1.563 | 3.7  | 96    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.307 | 0.295 | 3.9  | 85    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.125 | 1.054 | 6.3  | 94    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.431 | 0.399 | 7.4  | 93    | 0.00     |
| 95 T  | Naphthalene                 | 3.622 | 3.516 | 2.9  | 91    | 0.00     |

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LabSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040124W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 02 05:40:55 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) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 1.073 | 1.049 | 2.2  | 95    | 0.00     |

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