

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072621\  
 Data File : VX023464.D  
 Acq On : 26 Jul 2021 20:20  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 27 03:30:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 06:05:38 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   | 91    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.460 | 0.484 | -5.2  | 89    | 0.00     |
| 3 P   | Chloromethane               | 0.536 | 0.527 | 1.7   | 86    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.542 | 0.557 | -2.8# | 88    | 0.00     |
| 5 T   | Bromomethane                | 0.322 | 0.337 | -4.7  | 98    | 0.00     |
| 6 T   | Chloroethane                | 0.333 | 0.354 | -6.3  | 90    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.874 | 0.910 | -4.1  | 90    | 0.00     |
| 8 T   | Diethyl Ether               | 0.323 | 0.330 | -2.2  | 88    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.495 | 0.513 | -3.6  | 90    | 0.00     |
| 10 T  | Methyl Iodide               | 0.620 | 0.674 | -8.7  | 89    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.142 | 0.141 | 0.7   | 86    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.491 | 0.502 | -2.2# | 89    | 0.00     |
| 13 T  | Acrolein                    | 0.076 | 0.073 | 3.9   | 90    | 0.00     |
| 14 T  | Allyl chloride              | 0.893 | 0.890 | 0.3   | 87    | 0.00     |
| 15 T  | Acrylonitrile               | 0.322 | 0.338 | -5.0  | 89    | 0.00     |
| 16 T  | Acetone                     | 0.306 | 0.298 | 2.6   | 90    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.211 | 1.160 | 4.2   | 83    | 0.00     |
| 18 T  | Methyl Acetate              | 0.727 | 0.774 | -6.5  | 93    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.708 | 1.801 | -5.4  | 90    | 0.00     |
| 20 T  | Methylene Chloride          | 0.595 | 0.578 | 2.9   | 91    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.522 | 0.531 | -1.7  | 89    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.763 | 1.864 | -5.7  | 90    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.556 | 1.667 | -7.1  | 89    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.969 | 1.017 | -5.0  | 90    | 0.00     |
| 25 T  | 2-Butanone                  | 0.475 | 0.494 | -4.0  | 89    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.793 | 0.709 | 10.6  | 76    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.606 | 0.631 | -4.1  | 90    | 0.00     |
| 28 T  | Bromochloromethane          | 0.452 | 0.449 | 0.7   | 88    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.311 | 0.326 | -4.8  | 89    | 0.00     |
| 30 C  | Chloroform                  | 0.992 | 1.050 | -5.8# | 92    | 0.00     |
| 31 T  | Cyclohexane                 | 0.924 | 0.900 | 2.6   | 87    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.848 | 0.907 | -7.0  | 89    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.624 | 0.642 | -2.9  | 95    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 90    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.313 | 0.324 | -3.5  | 95    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.452 | 0.466 | -3.1  | 89    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.570 | 0.581 | -1.9  | 90    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.460 | 0.489 | -6.3  | 91    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.571 | 0.577 | -1.1  | 87    | 0.00     |
| 40 TM | Benzene                     | 1.341 | 1.394 | -4.0  | 89    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.301 | 0.309 | -2.7  | 89    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.496 | 0.529 | -6.7  | 92    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.884 | 0.918 | -3.8  | 88    | 0.00     |
| 44 TM | Trichloroethene             | 0.368 | 0.380 | -3.3  | 89    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.355 | 0.372 | -4.8# | 89    | 0.00     |
| 46 T  | Dibromomethane              | 0.241 | 0.257 | -6.6  | 91    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.434 | 0.467 | -7.6  | 89    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.409 | 0.442 | -8.1  | 90    | 0.00     |

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 Sample : VSTDCCC050  
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 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072221W.M  
 Quant Title : SW846 8260  
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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   | 89    | 0.00     |
| 50 S  | Toluene-d8                  | 1.149 | 1.169 | -1.7  | 93    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.541 | 0.581 | -7.4  | 89    | 0.00     |
| 52 CM | Toluene                     | 0.831 | 0.870 | -4.7# | 89    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.493 | 0.523 | -6.1  | 85    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.541 | 0.563 | -4.1  | 85    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.336 | 0.367 | -9.2  | 89    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.539 | 0.581 | -7.8  | 88    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.572 | 0.606 | -5.9  | 89    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.286 | 0.292 | -2.1  | 88    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.410 | 0.435 | -6.1  | 88    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.330 | 0.359 | -8.8  | 86    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.359 | 0.386 | -7.5  | 89    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.391 | 0.396 | -1.3  | 92    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 89    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.398 | 0.405 | -1.8  | 87    | 0.00     |
| 65 PM | Chlorobenzene               | 1.023 | 1.054 | -3.0  | 88    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.361 | 0.394 | -9.1  | 88    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.775 | 1.887 | -6.3# | 89    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.683 | 0.715 | -4.7  | 88    | 0.00     |
| 69 T  | o-Xylene                    | 0.677 | 0.697 | -3.0  | 88    | 0.00     |
| 70 T  | Styrene                     | 1.072 | 1.149 | -7.2  | 88    | 0.00     |
| 71 P  | Bromoform                   | 0.266 | 0.280 | -5.3  | 84    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 90    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.773 | 4.016 | -6.4  | 89    | 0.00     |
| 74 T  | N-amyl acetate              | 1.721 | 1.810 | -5.2  | 87    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.229 | 1.285 | -4.6  | 90    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.100 | 1.157 | -5.2  | 88    | 0.00     |
| 77 T  | Bromobenzene                | 0.910 | 0.974 | -7.0  | 90    | 0.00     |
| 78 T  | n-propylbenzene             | 4.270 | 4.512 | -5.7  | 87    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.552 | 2.657 | -4.1  | 88    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.073 | 3.239 | -5.4  | 88    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.409 | 0.402 | 1.7   | 80    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.887 | 3.048 | -5.6  | 89    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.014 | 3.194 | -6.0  | 88    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.056 | 3.241 | -6.1  | 89    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.908 | 4.096 | -4.8  | 89    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.156 | 3.338 | -5.8  | 87    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.684 | 1.728 | -2.6  | 88    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.709 | 1.702 | 0.4   | 88    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.857 | 2.928 | -2.5  | 86    | 0.00     |
| 90 T  | Hexachloroethane            | 0.509 | 0.532 | -4.5  | 85    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.630 | 1.698 | -4.2  | 91    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.266 | 0.285 | -7.1  | 87    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.024 | 1.056 | -3.1  | 87    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.460 | 0.455 | 1.1   | 88    | 0.00     |
| 95 T  | Naphthalene                 | 3.522 | 3.842 | -9.1  | 88    | 0.00     |

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MSVOA\_X  
LabSampleId :  
VSTDCCC050

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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 | 1.034 | 1.083 | -4.7 | 88    | 0.00     |

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