

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX121621\  
 Data File : VX025846.D  
 Acq On : 16 Dec 2021 04:46  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 16 07:36:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121321W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 14 07:02:11 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   | 119   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.447 | 0.487 | -8.9  | 136   | 0.00     |
| 3 P   | Chloromethane               | 0.582 | 0.528 | 9.3   | 106   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.619 | 0.587 | 5.2#  | 115   | 0.00     |
| 5 T   | Bromomethane                | 0.442 | 0.352 | 20.4  | 95    | 0.00     |
| 6 T   | Chloroethane                | 0.449 | 0.398 | 11.4  | 112   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.023 | 0.943 | 7.8   | 118   | 0.00     |
| 8 T   | Diethyl Ether               | 0.404 | 0.349 | 13.6  | 101   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.532 | 0.493 | 7.3   | 119   | 0.00     |
| 10 T  | Methyl Iodide               | 0.678 | 0.642 | 5.3   | 104   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.144 | 0.109 | 24.3  | 94    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.529 | 0.491 | 7.2#  | 113   | 0.00     |
| 13 T  | Acrolein                    | 0.099 | 0.088 | 11.1  | 113   | 0.00     |
| 14 T  | Allyl chloride              | 0.966 | 0.789 | 18.3  | 97    | 0.00     |
| 15 T  | Acrylonitrile               | 0.337 | 0.297 | 11.9  | 100   | 0.00     |
| 16 T  | Acetone                     | 0.344 | 0.259 | 24.7  | 87    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.516 | 1.153 | 23.9  | 94    | 0.00     |
| 18 T  | Methyl Acetate              | 1.096 | 0.980 | 10.6  | 100   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.870 | 1.695 | 9.4   | 101   | 0.00     |
| 20 T  | Methylene Chloride          | 0.699 | 0.564 | 19.3  | 101   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.591 | 0.534 | 9.6   | 105   | 0.00     |
| 22 T  | Diisopropyl ether           | 1.874 | 1.719 | 8.3   | 103   | 0.00     |
| 23 T  | Vinyl Acetate               | 1.450 | 1.319 | 9.0   | 99    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.070 | 0.955 | 10.7  | 104   | 0.00     |
| 25 T  | 2-Butanone                  | 0.484 | 0.417 | 13.8  | 96    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.812 | 0.498 | 38.7# | 74    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.700 | 0.624 | 10.9  | 104   | 0.00     |
| 28 T  | Bromochloromethane          | 0.482 | 0.450 | 6.6   | 101   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.308 | 0.279 | 9.4   | 102   | 0.00     |
| 30 C  | Chloroform                  | 1.173 | 1.029 | 12.3# | 102   | 0.00     |
| 31 T  | Cyclohexane                 | 0.875 | 0.867 | 0.9   | 125   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.021 | 0.902 | 11.7  | 105   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.719 | 0.696 | 3.2   | 113   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 113   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.349 | 0.352 | -0.9  | 111   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.473 | 0.446 | 5.7   | 109   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.525 | 0.497 | 5.3   | 102   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.550 | 0.475 | 13.6  | 102   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.529 | 0.544 | -2.8  | 130   | 0.00     |
| 40 TM | Benzene                     | 1.411 | 1.329 | 5.8   | 104   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.291 | 0.273 | 6.2   | 104   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.536 | 0.488 | 9.0   | 100   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.846 | 0.770 | 9.0   | 99    | 0.00     |
| 44 TM | Trichloroethene             | 0.393 | 0.376 | 4.3   | 109   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.356 | 0.335 | 5.9#  | 104   | 0.00     |
| 46 T  | Dibromomethane              | 0.277 | 0.247 | 10.8  | 99    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.546 | 0.459 | 15.9  | 92    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.399 | 0.377 | 5.5   | 101   | 0.00     |

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 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

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 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 | 0.008 | 11.1  | 102   | 0.00     |
| 50 S  | Toluene-d8                  | 1.271 | 1.344 | -5.7  | 120   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.554 | 0.527 | 4.9   | 103   | 0.00     |
| 52 CM | Toluene                     | 0.899 | 0.877 | 2.4#  | 105   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.520 | 0.426 | 18.1  | 85    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.569 | 0.500 | 12.1  | 94    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.385 | 0.359 | 6.8   | 103   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.554 | 0.544 | 1.8   | 103   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.632 | 0.590 | 6.6   | 102   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.242 | 0.275 | -13.6 | 122   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.420 | 0.403 | 4.0   | 102   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.437 | 0.366 | 16.2  | 88    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.418 | 0.383 | 8.4   | 101   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.483 | 0.506 | -4.8  | 119   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 112   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.399 | 0.394 | 1.3   | 112   | 0.00     |
| 65 PM | Chlorobenzene               | 1.042 | 1.009 | 3.2   | 107   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.407 | 0.364 | 10.6  | 97    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.762 | 1.760 | 0.1#  | 107   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.686 | 0.694 | -1.2  | 106   | 0.00     |
| 69 T  | o-Xylene                    | 0.675 | 0.684 | -1.3  | 107   | 0.00     |
| 70 T  | Styrene                     | 1.123 | 1.145 | -2.0  | 104   | 0.00     |
| 71 P  | Bromoform                   | 0.335 | 0.267 | 20.3  | 84    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 110   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.629 | 3.607 | 0.6   | 112   | 0.00     |
| 74 T  | N-amyl acetate              | 1.460 | 1.433 | 1.8   | 104   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.265 | 1.151 | 9.0   | 101   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.146 | 0.984 | 14.1  | 97    | 0.00     |
| 77 T  | Bromobenzene                | 0.931 | 0.886 | 4.8   | 104   | 0.00     |
| 78 T  | n-propylbenzene             | 4.105 | 4.082 | 0.6   | 110   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.610 | 2.479 | 5.0   | 107   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.010 | 3.018 | -0.3  | 109   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.370 | 0.231 | 37.6# | 67    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.923 | 2.813 | 3.8   | 105   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.950 | 2.946 | 0.1   | 112   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.007 | 3.004 | 0.1   | 106   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.546 | 3.746 | -5.6  | 117   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 2.978 | 3.118 | -4.7  | 114   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.734 | 1.680 | 3.1   | 107   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.771 | 1.658 | 6.4   | 104   | 0.00     |
| 89 T  | n-Butylbenzene              | 2.484 | 2.562 | -3.1  | 116   | 0.00     |
| 90 T  | Hexachloroethane            | 0.585 | 0.450 | 23.1  | 86    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.656 | 1.663 | -0.4  | 107   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.284 | 0.234 | 17.6  | 88    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.848 | 0.957 | -12.9 | 114   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.352 | 0.384 | -9.1  | 129   | 0.00     |
| 95 T  | Naphthalene                 | 2.820 | 3.368 | -19.4 | 109   | 0.00     |

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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 | 0.846 | 0.975 | -15.2 | 113   | 0.00     |

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