

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX042120\  
 Data File : VX015786.D  
 Acq On : 21 Apr 2020 11:44  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 21 16:26:58 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032720W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 27 09:35:51 2020  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 150%

|       | Compound                    | AvqRF | CCRF  | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|--------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0    | 111   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.441 | 0.398 | 9.8    | 123   | 0.00     |
| 3 P   | Chloromethane               | 0.561 | 0.419 | 25.3#  | 77    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.515 | 0.497 | 3.5#   | 113   | 0.00     |
| 5 T   | Bromomethane                | 0.259 | 0.147 | 43.2#  | 61    | 0.00     |
| 6 T   | Chloroethane                | 0.319 | 0.315 | 1.3    | 109   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.691 | 0.702 | -1.6   | 133   | 0.00     |
| 8 T   | Diethyl Ether               | 0.291 | 0.287 | 1.4    | 99    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.450 | 0.483 | -7.3   | 147   | 0.00     |
| 10 T  | Methyl Iodide               | 0.607 | 0.344 | 43.3#  | 53    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.169 | 0.128 | 24.3#  | 75    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.472 | 0.458 | 3.0#   | 112   | 0.00     |
| 13 T  | Acrolein                    | 0.096 | 0.080 | 16.7   | 84    | 0.00     |
| 14 T  | Allyl chloride              | 1.103 | 0.994 | 9.9    | 92    | 0.00     |
| 15 T  | Acrylonitrile               | 0.322 | 0.305 | 5.3    | 89    | 0.00     |
| 16 T  | Acetone                     | 0.303 | 0.402 | -32.7# | 128   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.440 | 1.234 | 14.3   | 98    | 0.00     |
| 18 T  | Methyl Acetate              | 0.773 | 0.765 | 1.0    | 94    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.831 | 1.763 | 3.7    | 92    | 0.00     |
| 20 T  | Methylene Chloride          | 0.566 | 0.536 | 5.3    | 96    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.524 | 0.502 | 4.2    | 102   | 0.00     |
| 22 T  | Diisopropyl ether           | 1.954 | 1.923 | 1.6    | 95    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.770 | 1.664 | 6.0    | 88    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.029 | 0.985 | 4.3    | 100   | 0.00     |
| 25 T  | 2-Butanone                  | 0.487 | 0.499 | -2.5   | 97    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.845 | 0.880 | -4.1   | 115   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.606 | 0.607 | -0.2   | 101   | 0.00     |
| 28 T  | Bromochloromethane          | 0.491 | 0.419 | 14.7   | 82    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.313 | 0.280 | 10.5   | 85    | 0.00     |
| 30 C  | Chloroform                  | 0.990 | 0.965 | 2.5#   | 98    | 0.00     |
| 31 T  | Cyclohexane                 | 0.893 | 0.851 | 4.7    | 127   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.896 | 0.857 | 4.4    | 106   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.705 | 0.585 | 17.0   | 84    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 92    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.320 | 0.319 | 0.3    | 92    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.461 | 0.495 | -7.4   | 112   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.600 | 0.587 | 2.2    | 84    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.499 | 0.519 | -4.0   | 111   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.531 | 0.579 | -9.0   | 141   | 0.00     |
| 40 TM | Benzene                     | 1.350 | 1.450 | -7.4   | 99    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.333 | 0.346 | -3.9   | 87    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.542 | 0.547 | -0.9   | 88    | 0.00     |
| 43 T  | Isopropyl Acetate           | 1.013 | 1.010 | 0.3    | 86    | 0.00     |
| 44 TM | Trichloroethene             | 0.368 | 0.417 | -13.3  | 111   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.369 | 0.397 | -7.6#  | 97    | 0.00     |

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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 : 20% Max. Rel. Area : 150%

|       | Compound                    | AvqRF | CCRF  | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|--------|-------|----------|
| 46 T  | Dibromomethane              | 0.242 | 0.258 | -6.6   | 94    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.516 | 0.542 | -5.0   | 92    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.506 | 0.504 | 0.4    | 86    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 0.009 | 0.008 | 11.1   | 76    | 0.00     |
| 50 S  | Toluene-d8                  | 1.177 | 1.184 | -0.6   | 97    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.574 | 0.595 | -3.7   | 88    | 0.00     |
| 52 CM | Toluene                     | 0.832 | 0.936 | -12.5# | 104   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.605 | 0.624 | -3.1   | 92    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.616 | 0.655 | -6.3   | 94    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.341 | 0.379 | -11.1  | 97    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.601 | 0.635 | -5.7   | 91    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.614 | 0.655 | -6.7   | 95    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.292 | 0.238 | 18.5   | 70    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.433 | 0.472 | -9.0   | 92    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.410 | 0.449 | -9.5   | 94    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.371 | 0.402 | -8.4   | 94    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.478 | 0.478 | 0.0    | 95    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 89    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.377 | 0.402 | -6.6   | 108   | 0.00     |
| 65 PM | Chlorobenzene               | 0.997 | 1.154 | -15.7  | 105   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.398 | 0.450 | -13.1  | 100   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.769 | 2.011 | -13.7# | 106   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.659 | 0.760 | -15.3  | 108   | 0.00     |
| 69 T  | o-Xylene                    | 0.651 | 0.742 | -14.0  | 103   | 0.00     |
| 70 T  | Styrene                     | 1.145 | 1.312 | -14.6  | 103   | 0.00     |
| 71 P  | Bromoform                   | 0.363 | 0.387 | -6.6   | 91    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 97    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.276 | 3.551 | -8.4   | 114   | 0.00     |
| 74 T  | N-amyl acetate              | 1.822 | 1.722 | 5.5    | 88    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.124 | 1.156 | -2.8   | 98    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.028 | 1.036 | -0.8   | 92    | 0.00     |
| 77 T  | Bromobenzene                | 0.874 | 0.956 | -9.4   | 105   | 0.00     |
| 78 T  | n-propylbenzene             | 3.746 | 4.041 | -7.9   | 112   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.296 | 2.428 | -5.7   | 105   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.798 | 3.018 | -7.9   | 110   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.429 | 0.405 | 5.6    | 86    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.692 | 2.857 | -6.1   | 105   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.733 | 3.006 | -10.0  | 115   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.851 | 3.080 | -8.0   | 108   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.161 | 3.503 | -10.8  | 123   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 2.934 | 3.320 | -13.2  | 120   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.564 | 1.756 | -12.3  | 111   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.593 | 1.791 | -12.4  | 111   | 0.00     |
| 89 T  | n-Butylbenzene              | 2.652 | 2.937 | -10.7  | 121   | 0.00     |

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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 : 20% Max. Rel. Area : 150%

|      | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 90 T | Hexachloroethane            | 0.571 | 0.568 | 0.5   | 104   | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 1.531 | 1.653 | -8.0  | 104   | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 0.317 | 0.269 | 15.1  | 84    | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 1.211 | 1.435 | -18.5 | 118   | 0.00     |
| 94 T | Hexachlorobutadiene         | 0.577 | 0.599 | -3.8  | 124   | 0.00     |
| 95 T | Naphthalene                 | 3.694 | 3.904 | -5.7  | 98    | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 1.166 | 1.357 | -16.4 | 110   | 0.00     |

(#) = Out of Range

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