

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX042020\  
 Data File : VX015757.D  
 Acq On : 20 Apr 2020 11:05  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 20 15:05:58 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                    | Amount  | Calc.   | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|--------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0    | 115   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 45.075  | 9.8    | 128   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 37.614  | 24.8#  | 81    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.886  | 2.2#   | 119   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 25.757  | 48.5#  | 61    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 55.265  | -10.5  | 128   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 53.438  | -6.9   | 145   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 52.537  | -5.1   | 111   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 54.743  | -9.5   | 157   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 27.728  | 44.5#  | 54    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 204.662 | 18.1   | 84    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.829  | -1.7#  | 122   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 270.540 | -8.2   | 113   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 47.873  | 4.3    | 102   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 248.511 | 0.6    | 98    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 291.087 | -16.4  | 117   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 49.380  | 1.2    | 118   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 50.809  | -1.6   | 101   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.320  | -0.6   | 100   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.219  | 1.6    | 104   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.334  | -0.7   | 112   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.076  | -2.2   | 103   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 245.458 | 1.8    | 96    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 49.410  | 1.2    | 107   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 248.623 | 0.6    | 99    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 54.904  | -9.8   | 126   | -0.01    |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.818  | -3.6   | 109   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 44.254  | 11.5   | 89    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 235.714 | 5.7    | 93    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 50.925  | -1.8#  | 107   | -0.01    |
| 31 T  | Cyclohexane                 | 50.000  | 50.809  | -1.6   | 141   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.933  | -1.9   | 117   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 43.800  | 12.4   | 92    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 96    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.373  | -6.7   | 103   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 56.062  | -12.1  | 122   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 51.552  | -3.1   | 93    | -0.01    |
| 38 T  | Carbon Tetrachloride        | 50.000  | 54.605  | -9.2   | 122   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 58.440  | -16.9  | 157   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 56.627  | -13.3  | 109   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.682  | -7.4   | 94    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.447  | -4.9   | 95    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 52.498  | -5.0   | 94    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 57.977  | -16.0  | 118   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 55.966  | -11.9# | 106   | 0.00     |

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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 : 20% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.    | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|----------|----------|--------|-------|----------|
| 46 T  | Dibromomethane              | 50.000   | 54.899   | -9.8   | 101   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 55.446   | -10.9  | 101   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 52.638   | -5.3   | 94    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1002.828 | -0.3   | 89    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 52.617   | -5.2   | 106   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 271.681  | -8.7   | 96    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 58.150   | -16.3# | 112   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 54.879   | -9.8   | 102   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 56.583   | -13.2  | 104   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 57.790   | -15.6  | 105   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 56.255   | -12.5  | 101   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 55.368   | -10.7  | 103   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 220.732  | 11.7   | 79    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 275.525  | -10.2  | 97    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 57.032   | -14.1  | 102   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 56.448   | -12.9  | 102   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.117   | -4.2   | 103   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 57.173   | -14.3  | 122   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 58.529   | -17.1  | 112   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 57.995   | -16.0  | 108   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 58.638   | -17.3# | 115   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 119.488  | -19.5  | 117   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 59.473   | -18.9  | 113   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 59.320   | -18.6  | 112   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 55.699   | -11.4  | 100   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 100   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 56.742   | -13.5  | 123   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 50.746   | -1.5   | 98    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 54.323   | -8.6   | 107   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 53.391   | -6.8   | 101   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 56.386   | -12.8  | 112   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 56.714   | -13.4  | 122   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 55.365   | -10.7  | 113   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 56.941   | -13.9  | 120   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 46.120   | 7.8    | 87    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 55.374   | -10.7  | 114   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 58.742   | -17.5  | 127   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 56.587   | -13.2  | 117   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 58.504   | -17.0  | 134   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 59.885   | -19.8  | 131   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 58.524   | -17.0  | 120   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 55.865   | -11.7  | 114   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 58.743   | -17.5  | 133   | 0.00     |

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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 : 20% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|-----------------------------|--------|--------|--------|-------|----------|
| 90 T | Hexachloroethane            | 50.000 | 53.090 | -6.2   | 115   | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 59.552 | -19.1  | 119   | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 44.589 | 10.8   | 91    | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 60.123 | -20.2# | 124   | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 57.601 | -15.2  | 143   | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 56.179 | -12.4  | 108   | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 61.519 | -23.0# | 120   | 0.00     |

(#) = Out of Range

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