

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VOX030420\  
 Data File : VX015085.D  
 Acq On : 04 Mar 2020 13:59  
 Operator : JC/SP  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX030420

Quant Time: Mar 05 07:47:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X030420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 04 14:19:10 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   | 103   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 48.903  | 2.2   | 104   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 47.562  | 4.9   | 105   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.284  | 7.4#  | 100   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 47.034  | 5.9   | 102   | -0.01    |
| 6 T   | Chloroethane                | 50.000  | 48.402  | 3.2   | 103   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.156  | 3.7   | 102   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 47.585  | 4.8   | 99    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.493  | 3.0   | 102   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 47.836  | 4.3   | 92    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 257.792 | -3.1  | 110   | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.459  | 5.1#  | 102   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 234.633 | 6.1   | 101   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 48.616  | 2.8   | 102   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 248.531 | 0.6   | 102   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 255.438 | -2.2  | 108   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.060  | 5.9   | 100   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 46.257  | 7.5   | 101   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 49.734  | 0.5   | 102   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 45.272  | 9.5   | 101   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.965  | 4.1   | 102   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.217  | 1.6   | 100   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 258.577 | -3.4  | 102   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.801  | 4.4   | 101   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 260.581 | -4.2  | 105   | -0.01    |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.904  | 0.2   | 105   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.579  | 2.8   | 101   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.860  | 6.3   | 96    | -0.01    |
| 29 T  | Tetrahydrofuran             | 250.000 | 248.995 | 0.4   | 103   | -0.01    |
| 30 C  | Chloroform                  | 50.000  | 48.201  | 3.6#  | 102   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 48.864  | 2.3   | 101   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.083  | 1.8   | 101   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.813  | 4.4   | 102   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 100   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.123  | -0.2  | 103   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.549  | 0.9   | 102   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 54.518  | -9.0  | 102   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 50.563  | -1.1  | 102   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 53.394  | -6.8  | 106   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.290  | 1.4   | 99    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.046  | -2.1  | 103   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.670  | -1.3  | 102   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 52.328  | -4.7  | 103   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.011  | 2.0   | 100   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.265  | -0.5# | 101   | 0.00     |

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Instrument :  
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 ClientSampleId :  
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X030420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 04 14:19:10 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) |
|-------|-----------------------------|----------|----------|-------|-------|----------|
| 46 T  | Dibromomethane              | 50.000   | 49.625   | 0.8   | 101   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 50.706   | -1.4  | 101   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 50.513   | -1.0  | 101   | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1013.558 | -1.4  | 105   | -0.02    |
| 50 S  | Toluene-d8                  | 50.000   | 50.818   | -1.6  | 102   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 270.358  | -8.1  | 104   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.185   | -2.4# | 101   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.751   | -7.5  | 102   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.575   | -5.2  | 102   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.906   | 0.2   | 100   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 55.151   | -10.3 | 104   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.346   | -0.7  | 101   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 282.041  | -12.8 | 110   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 279.861  | -11.9 | 105   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.546   | -3.1  | 102   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.598   | 0.8   | 101   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.179   | -2.4  | 104   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 100   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 47.205   | 5.6   | 97    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.181   | -0.4  | 102   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.776   | 0.4   | 102   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.833   | -5.7# | 104   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 105.314  | -5.3  | 103   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.765   | -5.5  | 103   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.896   | -5.8  | 102   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.814   | -3.6  | 101   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 100   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.691   | -5.4  | 102   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 54.705   | -9.4  | 106   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.232   | -0.5  | 104   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 51.567   | -3.1  | 104   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.094   | 1.8   | 102   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.342   | -6.7  | 103   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 51.871   | -3.7  | 104   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 53.042   | -6.1  | 103   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 53.775   | -7.5  | 106   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.354   | -2.7  | 103   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.531   | -9.1  | 107   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 53.827   | -7.7  | 105   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.413   | -6.8  | 104   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.090   | -8.2  | 104   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.075   | -0.2  | 103   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.850   | 2.3   | 104   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 54.289   | -8.6  | 103   | 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 : 20% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|-----------------------------|--------|--------|------|-------|----------|
| 90 T | Hexachloroethane            | 50.000 | 50.927 | -1.9 | 105   | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 49.765 | 0.5  | 104   | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 54.026 | -8.1 | 106   | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 51.993 | -4.0 | 104   | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 50.613 | -1.2 | 105   | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 49.642 | 0.7  | 103   | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 52.460 | -4.9 | 103   | 0.00     |

(#) = Out of Range

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