

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092622\  
 Data File : VX031686.D  
 Acq On : 27 Sep 2022 06:36  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 27 08:16:32 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092622W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 26 12:56:44 2022  
 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                    | Amount  | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0   | 104   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 42.471  | 15.1  | 94    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 53.114  | -6.2  | 104   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.427  | 11.1# | 100   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 57.984  | -16.0 | 110   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 46.203  | 7.6   | 96    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.846  | 10.3  | 97    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.615  | -3.2  | 98    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 42.896  | 14.2  | 99    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 48.870  | 2.3   | 95    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 247.319 | 1.1   | 96    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 51.764  | -3.5# | 103   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 259.480 | -3.8  | 99    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 44.678  | 10.6  | 99    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 242.124 | 3.2   | 105   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 274.118 | -9.6  | 102   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 46.884  | 6.2   | 98    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 46.825  | 6.3   | 106   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.604  | -3.2  | 109   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 50.098  | -0.2  | 105   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.604  | 4.8   | 106   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.583  | 0.8   | 97    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 253.314 | -1.3  | 96    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.286  | 3.4   | 106   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 243.226 | 2.7   | 100   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 33.346  | 33.3# | 67    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.140  | 1.7   | 105   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.384  | -0.8  | 100   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 250.274 | -0.1  | 97    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 50.552  | -1.1# | 102   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 50.561  | -1.1  | 102   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.699  | -7.4  | 104   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.269  | 1.5   | 102   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 109   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 46.902  | 6.2   | 104   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.573  | 4.9   | 102   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 46.069  | 7.9   | 96    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 50.587  | -1.2  | 106   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 46.779  | 6.4   | 104   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 47.646  | 4.7   | 103   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 47.650  | 4.7   | 99    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.582  | 2.8   | 99    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 48.058  | 3.9   | 96    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.506  | 3.0   | 108   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 47.878  | 4.2#  | 104   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.639  | 2.7   | 106   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.165  | -2.3  | 104   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.009  | -2.0  | 101   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

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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                    | Amount   | Calc.    | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|----------|----------|-------|-------|----------|
| ----- |                             |          |          |       |       |          |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1111.615 | -11.2 | 108   | 0.01     |
| 50 S  | Toluene-d8                  | 50.000   | 49.108   | 1.8   | 101   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 249.248  | 0.3   | 97    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.623   | -1.2# | 100   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 44.098   | 11.8  | 92    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 49.508   | 1.0   | 95    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.518   | -1.0  | 101   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.739   | -7.5  | 99    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.608   | 0.8   | 100   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 257.211  | -2.9  | 102   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 254.332  | -1.7  | 98    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 46.910   | 6.2   | 98    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 54.130   | -8.3  | 100   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 53.666   | -7.3  | 100   | 0.00     |
|       |                             |          |          |       |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 103   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.745   | 2.5   | 107   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.675   | 2.7   | 100   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.461   | -2.9  | 100   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.488   | 1.0#  | 100   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 101.714  | -1.7  | 99    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.241   | -2.5  | 98    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.112   | -6.2  | 100   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 45.778   | 8.4   | 96    | 0.00     |
|       |                             |          |          |       |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 100   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.953   | 2.1   | 100   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 49.119   | 1.8   | 94    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.387   | 5.2   | 96    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.264   | 3.5   | 95    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.163   | 3.7   | 102   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 49.867   | 0.3   | 97    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.315   | 1.4   | 100   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.370   | -0.7  | 98    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 40.222   | 19.6  | 79    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.587   | 0.8   | 98    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.476   | -3.0  | 99    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.770   | -1.5  | 98    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.311   | -0.6  | 98    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.590   | -1.2  | 97    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.282   | 3.4   | 97    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.827   | 2.3   | 99    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.606   | 0.8   | 96    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 51.904   | -3.8  | 98    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.257   | 1.5   | 98    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 52.232   | -4.5  | 94    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.425   | 3.2   | 96    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 46.558   | 6.9   | 101   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 52.299   | -4.6  | 99    | 0.00     |

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ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092622W.M  
Quant Title : SW846 8260  
QLast Update : Mon Sep 26 12:56:44 2022  
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               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 47.767 | 4.5  | 96    | 0.00     |

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