

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041423\  
 Data File : VX035067.D  
 Acq On : 13 Apr 2023 16:49  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 14 05:42:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032923W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Apr 01 01:50:18 2023  
 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    | 90    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 70.847  | -41.7# | 140   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 53.730  | -7.5   | 104   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 55.762  | -11.5# | 109   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 38.721  | 22.6   | 75    | -0.01    |
| 6 T   | Chloroethane                | 50.000  | 48.969  | 2.1    | 96    | -0.01    |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.641  | 6.7    | 91    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.729  | -3.5   | 100   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 56.336  | -12.7  | 108   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 53.380  | -6.8   | 98    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 245.127 | 1.9    | 91    | -0.03    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 54.315  | -8.6#  | 105   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 311.259 | -24.5  | 118   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 53.631  | -7.3   | 103   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 299.476 | -19.8  | 112   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 242.646 | 2.9    | 93    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 51.887  | -3.8   | 97    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 60.910  | -21.8  | 117   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 54.313  | -8.6   | 104   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 52.645  | -5.3   | 105   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 54.453  | -8.9   | 104   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 53.629  | -7.3   | 102   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 279.009 | -11.6  | 101   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 53.327  | -6.7   | 102   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 283.916 | -13.6  | 105   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.925  | 0.2    | 93    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 53.924  | -7.8   | 104   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.244  | -0.5   | 95    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 299.556 | -19.8  | 111   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.927  | -5.9#  | 100   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 55.441  | -10.9  | 103   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.809  | -7.6   | 100   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 42.721  | 14.6   | 77    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 87    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.326  | 5.3    | 84    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 56.376  | -12.8  | 104   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 60.337  | -20.7  | 106   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 57.799  | -15.6  | 102   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 56.371  | -12.7  | 103   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 56.311  | -12.6  | 104   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 63.381  | -26.8# | 111   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.724  | -5.4   | 96    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 57.965  | -15.9  | 103   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 58.279  | -16.6  | 107   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 55.934  | -11.9# | 102   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 55.051  | -10.1  | 100   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 56.223  | -12.4  | 98    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 59.212  | -18.4  | 104   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041423\  
 Data File : VX035067.D  
 Acq On : 13 Apr 2023 16:49  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 14 05:42:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032923W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Apr 01 01:50:18 2023  
 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 | 1102.494 | -10.2  | 99    | -0.04    |
| 50 S  | Toluene-d8                  | 50.000   | 47.092   | 5.8    | 82    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 300.847  | -20.3  | 106   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.611   | -9.2#  | 103   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 57.851   | -15.7  | 96    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 58.071   | -16.1  | 98    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 56.690   | -13.4  | 102   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 60.421   | -20.8  | 103   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 55.776   | -11.6  | 101   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 304.412  | -21.8  | 105   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 299.919  | -20.0  | 104   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 59.032   | -18.1  | 100   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 58.617   | -17.2  | 104   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 47.404   | 5.2    | 81    | 0.00     |
|       |                             |          |          |        |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 87    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 57.897   | -15.8  | 108   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 57.015   | -14.0  | 104   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 59.323   | -18.6  | 100   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 57.163   | -14.3# | 102   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 113.928  | -13.9  | 103   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 56.843   | -13.7  | 103   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 59.615   | -19.2  | 103   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 61.663   | -23.3  | 101   | 0.00     |
|       |                             |          |          |        |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 84    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 57.725   | -15.5  | 102   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 60.834   | -21.7  | 100   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 57.325   | -14.7  | 101   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 57.186   | -14.4  | 100   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 56.682   | -13.4  | 103   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 56.319   | -12.6  | 99    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 56.020   | -12.0  | 99    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 57.456   | -14.9  | 101   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 56.968   | -13.9  | 94    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 56.298   | -12.6  | 99    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 58.400   | -16.8  | 102   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 57.099   | -14.2  | 100   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 56.797   | -13.6  | 99    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 58.366   | -16.7  | 100   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 57.807   | -15.6  | 101   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 56.285   | -12.6  | 100   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 56.923   | -13.8  | 97    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 58.018   | -16.0  | 93    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 56.665   | -13.3  | 101   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 64.079   | -28.2# | 101   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 61.117   | -22.2  | 104   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 55.415   | -10.8  | 105   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 63.513   | -27.0# | 108   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041423\  
Data File : VX035067.D  
Acq On : 13 Apr 2023 16:49  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Apr 14 05:42:18 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032923W.M  
Quant Title : SW846 8260  
QLast Update : Sat Apr 01 01:50:18 2023  
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 | 60.987 | -22.0 | 106   | 0.00     |

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