

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122624\  
 Data File : VY020728.D  
 Acq On : 26 Dec 2024 19:34  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 27 00:37:28 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122624S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 26 16:12:28 2024  
 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   | 124   | -0.01    |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 45.114  | 9.8   | 109   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 52.737  | -5.5  | 122   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 49.224  | 1.6#  | 115   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 50.944  | -1.9  | 123   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 50.896  | -1.8  | 122   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.000  | 12.0  | 107   | -0.01    |
| 8 T   | Diethyl Ether               | 50.000  | 54.301  | -8.6  | 126   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.637  | 4.7   | 116   | -0.01    |
| 10 T  | Methyl Iodide               | 50.000  | 51.852  | -3.7  | 119   | -0.01    |
| 11 T  | Tert butyl alcohol          | 250.000 | 266.739 | -6.7  | 120   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.083  | -0.2# | 120   | -0.01    |
| 13 T  | Acrolein                    | 250.000 | 160.414 | 35.8# | 107   | -0.01    |
| 14 T  | Allyl chloride              | 50.000  | 53.553  | -7.1  | 128   | -0.02    |
| 15 T  | Acrylonitrile               | 250.000 | 267.470 | -7.0  | 120   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 236.085 | 5.6   | 112   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 52.366  | -4.7  | 120   | -0.01    |
| 18 T  | Methyl Acetate              | 50.000  | 54.975  | -10.0 | 120   | -0.01    |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 52.242  | -4.5  | 121   | -0.01    |
| 20 T  | Methylene Chloride          | 50.000  | 54.496  | -9.0  | 133   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 52.798  | -5.6  | 123   | -0.02    |
| 22 T  | Diisopropyl ether           | 50.000  | 56.213  | -12.4 | 132   | -0.01    |
| 23 T  | Vinyl Acetate               | 250.000 | 272.779 | -9.1  | 122   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 53.204  | -6.4  | 130   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 274.081 | -9.6  | 120   | -0.01    |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.004  | 6.0   | 116   | -0.01    |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.764  | -5.5  | 125   | -0.01    |
| 28 T  | Bromochloromethane          | 50.000  | 62.291  | -24.6 | 129   | -0.01    |
| 29 T  | Tetrahydrofuran             | 250.000 | 278.632 | -11.5 | 122   | -0.01    |
| 30 C  | Chloroform                  | 50.000  | 51.215  | -2.4# | 126   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.467  | 9.1   | 116   | -0.01    |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.508  | 3.0   | 117   | -0.01    |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 59.186  | -18.4 | 116   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 128   | -0.01    |
| 35 S  | Dibromofluoromethane        | 50.000  | 55.390  | -10.8 | 122   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.847  | 4.3   | 119   | -0.01    |
| 37 T  | Ethyl Acetate               | 50.000  | 52.779  | -5.6  | 121   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 44.945  | 10.1  | 112   | -0.01    |
| 39 T  | Methylcyclohexane           | 50.000  | 46.082  | 7.8   | 113   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.952  | -1.9  | 126   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 59.754  | -19.5 | 166   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.961  | 0.1   | 119   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 52.327  | -4.7  | 119   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.797  | 2.4   | 121   | -0.01    |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.575  | -5.2# | 127   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.665  | -1.3  | 120   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.700  | 0.6   | 123   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 49.466  | 1.1   | 115   | 0.00     |

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 Sample : VSTDCCC050  
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 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 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 | 1130.206 | -13.0 | 121   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 53.305   | -6.6  | 122   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 262.443  | -5.0  | 118   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.676   | -1.4# | 126   | -0.01    |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 49.943   | 0.1   | 117   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.773   | -1.5  | 122   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.326   | -2.7  | 124   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 51.971   | -3.9  | 119   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.138   | -2.3  | 120   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 300.757  | -20.3 | 131   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 272.444  | -9.0  | 118   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.038   | 1.9   | 121   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.418   | 1.2   | 118   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 56.112   | -12.2 | 123   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 127   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 46.676   | 6.6   | 116   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.537   | 0.9   | 123   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 48.804   | 2.4   | 121   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.546   | 0.9#  | 121   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 98.695   | 1.3   | 121   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.380   | 1.2   | 121   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.397   | -0.8  | 123   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.586   | 0.8   | 114   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 127   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 47.089   | 5.8   | 119   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 52.059   | -4.1  | 119   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.563   | 0.9   | 117   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 59.202   | -18.4 | 159   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.546   | 2.9   | 120   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 47.482   | 5.0   | 120   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.116   | 3.8   | 120   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 48.002   | 4.0   | 119   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.030   | 1.9   | 114   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.924   | 4.2   | 119   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 46.437   | 7.1   | 116   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 48.661   | 2.7   | 120   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 46.679   | 6.6   | 117   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 46.789   | 6.4   | 117   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 47.503   | 5.0   | 119   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.392   | 5.2   | 119   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 46.112   | 7.8   | 115   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 46.011   | 8.0   | 117   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.115   | 1.8   | 118   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 48.649   | 2.7   | 108   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 45.993   | 8.0   | 110   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 42.822   | 14.4  | 108   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 46.789   | 6.4   | 106   | 0.00     |

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ALS Vial : 26 Sample Multiplier: 1

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MSVOA\_Y  
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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 | 46.500 | 7.0  | 108   | 0.00     |

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