

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102221\  
 Data File : VY006438.D  
 Acq On : 22 Oct 2021 14:23  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ICSVY102221

Quant Time: Oct 23 07:04:30 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 23 06:59:04 2021  
 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   | 99    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 53.060  | -6.1  | 102   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 57.319  | -14.6 | 109   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 54.678  | -9.4# | 105   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 55.992  | -12.0 | 120   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 56.519  | -13.0 | 115   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 55.525  | -11.0 | 111   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 50.981  | -2.0  | 100   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.196  | -0.4  | 100   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 45.566  | 8.9   | 97    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 228.445 | 8.6   | 91    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 52.087  | -4.2# | 103   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 224.403 | 10.2  | 97    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 53.508  | -7.0  | 105   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 250.692 | -0.3  | 98    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 259.623 | -3.8  | 92    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 54.019  | -8.0  | 104   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 48.500  | 3.0   | 96    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 52.019  | -4.0  | 101   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 53.381  | -6.8  | 106   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 52.009  | -4.0  | 103   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 53.235  | -6.5  | 106   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 263.563 | -5.4  | 101   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 52.317  | -4.6  | 105   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 254.537 | -1.8  | 94    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 51.929  | -3.9  | 104   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.995  | -4.0  | 104   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.226  | 3.5   | 106   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 251.835 | -0.7  | 97    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 51.663  | -3.3# | 105   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 49.760  | 0.5   | 103   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 52.086  | -4.2  | 103   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.094  | -2.2  | 101   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 102   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.115  | -2.2  | 102   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.285  | -2.6  | 103   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.650  | -1.3  | 97    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 50.491  | -1.0  | 102   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.348  | -4.7  | 103   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.961  | -3.9  | 105   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 57.528  | -15.1 | 117   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.017  | -0.0  | 101   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.304  | -0.6  | 99    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 51.895  | -3.8  | 104   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.794  | -3.6# | 106   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.303  | -0.6  | 101   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.877  | -1.8  | 104   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.562  | -1.1  | 98    | 0.00     |

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 ALS Vial : 10 Sample Multiplier: 1

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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 | 1010.368 | -1.0  | 99    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.579   | -3.2  | 103   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 249.904  | 0.0   | 96    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.195   | -2.4# | 101   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.071   | -4.1  | 103   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.382   | -4.8  | 105   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.388   | -2.8  | 102   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 51.943   | -3.9  | 101   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.638   | -1.3  | 101   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 242.130  | 3.1   | 101   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 253.397  | -1.4  | 94    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.318   | -2.6  | 103   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.165   | -0.3  | 101   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.578   | -3.2  | 102   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 102   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.929   | -1.9  | 100   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 51.572   | -3.1  | 104   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.649   | -1.3  | 103   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.310   | -4.6# | 104   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 104.368  | -4.4  | 104   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.042   | -4.1  | 104   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.313   | -4.6  | 103   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.251   | -0.5  | 99    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 101   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.394   | -4.8  | 103   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 52.400   | -4.8  | 100   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 51.072   | -2.1  | 100   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 53.664   | -7.3  | 98    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.900   | -3.8  | 103   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.317   | -4.6  | 102   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.361   | -4.7  | 104   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.881   | -5.8  | 104   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 50.792   | -1.6  | 99    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.146   | -4.3  | 102   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.427   | -4.9  | 104   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.659   | -5.3  | 104   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.939   | -3.9  | 102   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 52.038   | -4.1  | 102   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.956   | -1.9  | 102   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.756   | -3.5  | 103   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.020   | -4.0  | 101   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 52.091   | -4.2  | 104   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.182   | -2.4  | 102   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 49.212   | 1.6   | 97    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.237   | -2.5  | 102   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 50.183   | -0.4  | 101   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 51.458   | -2.9  | 99    | 0.00     |

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ALS Vial : 10 Sample Multiplier: 1

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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 | 51.129 | -2.3 | 102   | 0.00     |

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