

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060324\  
 Data File : VY018436.D  
 Acq On : 03 Jun 2024 13:17  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ICSVY060324

Quant Time: Jun 04 05:40:27 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060324S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 04 05:38:21 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                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0   | 99    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.794 | 0.658 | 17.1  | 96    | 0.00     |
| 3 P   | Chloromethane               | 1.481 | 1.336 | 9.8   | 99    | 0.00     |
| 4 C   | Vinyl Chloride              | 1.771 | 1.652 | 6.7#  | 101   | 0.00     |
| 5 T   | Bromomethane                | 1.182 | 1.093 | 7.5   | 103   | 0.00     |
| 6 T   | Chloroethane                | 1.118 | 1.077 | 3.7   | 101   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.833 | 1.722 | 6.1   | 102   | 0.00     |
| 8 T   | Diethyl Ether               | 0.551 | 0.490 | 11.1  | 94    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 1.067 | 0.984 | 7.8   | 102   | 0.00     |
| 10 T  | Methyl Iodide               | 1.048 | 0.920 | 12.2  | 89    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.171 | 0.097 | 43.3# | 93    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 1.049 | 0.966 | 7.9#  | 101   | 0.00     |
| 13 T  | Acrolein                    | 0.101 | 0.116 | -14.9 | 86    | 0.00     |
| 14 T  | Allyl chloride              | 1.536 | 1.458 | 5.1   | 97    | 0.00     |
| 15 T  | Acrylonitrile               | 0.252 | 0.228 | 9.5   | 91    | 0.00     |
| 16 T  | Acetone                     | 0.218 | 0.211 | 3.2   | 89    | 0.00     |
| 17 T  | Carbon Disulfide            | 3.077 | 2.752 | 10.6  | 99    | 0.00     |
| 18 T  | Methyl Acetate              | 0.545 | 0.459 | 15.8  | 91    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.528 | 2.331 | 7.8   | 94    | 0.00     |
| 20 T  | Methylene Chloride          | 1.348 | 1.097 | 18.6  | 99    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 1.119 | 1.050 | 6.2   | 98    | 0.00     |
| 22 T  | Diisopropyl ether           | 3.128 | 3.082 | 1.5   | 99    | 0.00     |
| 23 T  | Vinyl Acetate               | 2.036 | 1.995 | 2.0   | 95    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.951 | 1.827 | 6.4   | 97    | 0.00     |
| 25 T  | 2-Butanone                  | 0.334 | 0.313 | 6.3   | 87    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.715 | 1.597 | 6.9   | 99    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 1.302 | 1.211 | 7.0   | 96    | 0.00     |
| 28 T  | Bromochloromethane          | 0.898 | 0.981 | -9.2  | 105   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.217 | 0.199 | 8.3   | 92    | 0.00     |
| 30 C  | Chloroform                  | 1.957 | 1.869 | 4.5#  | 99    | 0.00     |
| 31 T  | Cyclohexane                 | 1.831 | 1.715 | 6.3   | 101   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.714 | 1.643 | 4.1   | 100   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.982 | 0.937 | 4.6   | 96    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 92    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.634 | 0.638 | -0.6  | 98    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.967 | 0.944 | 2.4   | 100   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.483 | 0.412 | 14.7  | 86    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.969 | 0.909 | 6.2   | 100   | 0.00     |
| 39 T  | Methylcyclohexane           | 1.307 | 1.279 | 2.1   | 104   | 0.00     |
| 40 TM | Benzene                     | 2.897 | 2.797 | 3.5   | 98    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.235 | 0.236 | -0.4  | 97    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.704 | 0.682 | 3.1   | 97    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.903 | 0.853 | 5.5   | 89    | 0.00     |
| 44 TM | Trichloroethene             | 0.718 | 0.671 | 6.5   | 98    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.662 | 0.651 | 1.7#  | 98    | 0.00     |
| 46 T  | Dibromomethane              | 0.380 | 0.362 | 4.7   | 96    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.912 | 0.883 | 3.2   | 96    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.415 | 0.391 | 5.8   | 92    | 0.00     |

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 ALS Vial : 10 Sample Multiplier: 1

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 ClientSampleId :  
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 Quant Title : SW846 8260  
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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                    | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.005 | 0.004 | 20.0 | 90    | -0.02    |
| 50 S  | Toluene-d8                  | 2.522 | 2.637 | -4.6 | 102   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.469 | 0.446 | 4.9  | 88    | 0.00     |
| 52 CM | Toluene                     | 1.782 | 1.774 | 0.4# | 97    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.837 | 0.843 | -0.7 | 97    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 1.031 | 1.022 | 0.9  | 99    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.494 | 0.495 | -0.2 | 96    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.695 | 0.694 | 0.1  | 93    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.839 | 0.850 | -1.3 | 97    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.373 | 0.363 | 2.7  | 86    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.324 | 0.320 | 1.2  | 88    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.604 | 0.592 | 2.0  | 97    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.465 | 0.450 | 3.2  | 95    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.785 | 0.819 | -4.3 | 101   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0  | 92    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.736 | 0.672 | 8.7  | 100   | 0.00     |
| 65 PM | Chlorobenzene               | 2.144 | 2.058 | 4.0  | 98    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.693 | 0.660 | 4.8  | 98    | 0.00     |
| 67 C  | Ethyl Benzene               | 3.903 | 3.849 | 1.4# | 101   | 0.00     |
| 68 T  | m/p-Xylenes                 | 1.470 | 1.453 | 1.2  | 100   | 0.00     |
| 69 T  | o-Xylene                    | 1.415 | 1.350 | 4.6  | 99    | 0.00     |
| 70 T  | Styrene                     | 2.311 | 2.317 | -0.3 | 100   | 0.00     |
| 71 P  | Bromoform                   | 0.365 | 0.345 | 5.5  | 95    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0  | 98    | 0.00     |
| 73 T  | Isopropylbenzene            | 5.160 | 4.815 | 6.7  | 101   | 0.00     |
| 74 T  | N-amyl acetate              | 1.256 | 1.087 | 13.5 | 89    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.908 | 0.808 | 11.0 | 93    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.620 | 0.539 | 13.1 | 97    | 0.00     |
| 77 T  | Bromobenzene                | 1.096 | 0.989 | 9.8  | 98    | 0.00     |
| 78 T  | n-propylbenzene             | 6.193 | 5.809 | 6.2  | 103   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 3.367 | 3.112 | 7.6  | 102   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 4.019 | 3.729 | 7.2  | 101   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.295 | 0.261 | 11.5 | 91    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.388 | 3.025 | 10.7 | 103   | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.716 | 3.453 | 7.1  | 100   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.934 | 3.633 | 7.7  | 105   | 0.00     |
| 85 T  | sec-Butylbenzene            | 5.473 | 5.077 | 7.2  | 105   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 4.417 | 4.215 | 4.6  | 107   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 2.161 | 1.996 | 7.6  | 101   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 2.123 | 1.984 | 6.5  | 104   | 0.00     |
| 89 T  | n-Butylbenzene              | 4.197 | 3.897 | 7.1  | 108   | 0.00     |
| 90 T  | Hexachloroethane            | 0.828 | 0.769 | 7.1  | 106   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.880 | 1.717 | 8.7  | 100   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.138 | 0.110 | 20.3 | 96    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.017 | 0.944 | 7.2  | 105   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.540 | 0.494 | 8.5  | 110   | 0.00     |
| 95 T  | Naphthalene                 | 2.043 | 1.885 | 7.7  | 98    | 0.00     |

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Quant Title : SW846 8260  
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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               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 0.860 | 0.771 | 10.3 | 101   | 0.00     |

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