

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD092622\  
 Data File : VD074421.D  
 Acq On : 26 Sep 2022 15:35  
 Operator : VA/SY  
 Sample : VSTDICV050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD092622

Quant Time: Sep 27 03:24:09 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D092622S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 27 03:19:14 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                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0   | 108   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.411 | 0.369 | 10.2  | 108   | 0.00     |
| 3 P   | Chloromethane               | 0.408 | 0.340 | 16.7  | 106   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.352 | 0.345 | 2.0#  | 115   | 0.00     |
| 5 T   | Bromomethane                | 0.271 | 0.274 | -1.1  | 140   | 0.00     |
| 6 T   | Chloroethane                | 0.241 | 0.246 | -2.1  | 113   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.812 | 0.807 | 0.6   | 114   | 0.00     |
| 8 T   | Diethyl Ether               | 0.239 | 0.240 | -0.4  | 109   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.551 | 0.559 | -1.5  | 114   | 0.00     |
| 10 T  | Methyl Iodide               | 0.480 | 0.519 | -8.1  | 110   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.080 | 0.042 | 47.5# | 107   | 0.01     |
| 12 CM | 1,1-Dichloroethene          | 0.520 | 0.502 | 3.5#  | 108   | 0.00     |
| 13 T  | Acrolein                    | 0.030 | 0.025 | 16.7  | 101   | 0.00     |
| 14 T  | Allyl chloride              | 0.536 | 0.526 | 1.9   | 106   | 0.00     |
| 15 T  | Acrylonitrile               | 0.102 | 0.102 | 0.0   | 106   | 0.00     |
| 16 T  | Acetone                     | 0.084 | 0.077 | 8.3   | 106   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.188 | 1.115 | 6.1   | 108   | 0.00     |
| 18 T  | Methyl Acetate              | 0.270 | 0.232 | 14.1  | 107   | -0.01    |
| 19 T  | Methyl tert-butyl Ether     | 1.118 | 1.178 | -5.4  | 111   | 0.00     |
| 20 T  | Methylene Chloride          | 0.823 | 0.620 | 24.7  | 105   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.553 | 0.559 | -1.1  | 111   | 0.00     |
| 22 T  | Diisopropyl ether           | 1.226 | 1.293 | -5.5  | 112   | 0.00     |
| 23 T  | Vinyl Acetate               | 0.521 | 0.606 | -16.3 | 116   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.924 | 0.912 | 1.3   | 107   | 0.00     |
| 25 T  | 2-Butanone                  | 0.114 | 0.114 | 0.0   | 106   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.859 | 0.850 | 1.0   | 110   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.656 | 0.673 | -2.6  | 111   | 0.00     |
| 28 T  | Bromochloromethane          | 0.294 | 0.317 | -7.8  | 113   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.065 | 0.068 | -4.6  | 109   | 0.00     |
| 30 C  | Chloroform                  | 1.039 | 1.040 | -0.1# | 109   | 0.00     |
| 31 T  | Cyclohexane                 | 0.731 | 0.678 | 7.3   | 111   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.892 | 0.918 | -2.9  | 110   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.430 | 0.420 | 2.3   | 108   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 112   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.369 | 0.329 | 10.8  | 114   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.454 | 0.435 | 4.2   | 108   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.150 | 0.140 | 6.7   | 98    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.435 | 0.452 | -3.9  | 114   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.538 | 0.523 | 2.8   | 112   | 0.00     |
| 40 TM | Benzene                     | 1.340 | 1.308 | 2.4   | 108   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.090 | 0.086 | 4.4   | 108   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.336 | 0.334 | 0.6   | 112   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.291 | 0.301 | -3.4  | 113   | 0.00     |
| 44 TM | Trichloroethene             | 0.410 | 0.396 | 3.4   | 109   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.318 | 0.317 | 0.3#  | 111   | 0.00     |
| 46 T  | Dibromomethane              | 0.188 | 0.189 | -0.5  | 111   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.486 | 0.479 | 1.4   | 109   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.130 | 0.138 | -6.2  | 111   | 0.00     |

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 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
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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                 | 0.002 | 0.002 | 0.0   | 101   | 0.00     |
| 50 S  | Toluene-d8                  | 1.137 | 1.146 | -0.8  | 115   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.149 | 0.153 | -2.7  | 113   | 0.00     |
| 52 CM | Toluene                     | 0.866 | 0.864 | 0.2#  | 112   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.404 | 0.421 | -4.2  | 118   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.515 | 0.509 | 1.2   | 110   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.261 | 0.269 | -3.1  | 113   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.293 | 0.305 | -4.1  | 113   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.426 | 0.427 | -0.2  | 116   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.047 | 0.055 | -17.0 | 135   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.101 | 0.104 | -3.0  | 112   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.327 | 0.329 | -0.6  | 112   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.254 | 0.255 | -0.4  | 114   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.457 | 0.365 | 20.1  | 111   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 117   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.388 | 0.359 | 7.5   | 118   | 0.00     |
| 65 PM | Chlorobenzene               | 1.083 | 1.054 | 2.7   | 113   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.392 | 0.388 | 1.0   | 112   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.905 | 1.845 | 3.1#  | 111   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.748 | 0.733 | 2.0   | 110   | 0.00     |
| 69 T  | o-Xylene                    | 0.693 | 0.685 | 1.2   | 112   | 0.00     |
| 70 T  | Styrene                     | 1.209 | 1.189 | 1.7   | 108   | 0.00     |
| 71 P  | Bromoform                   | 0.216 | 0.202 | 6.5   | 103   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 109   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.712 | 3.657 | 1.5   | 108   | 0.00     |
| 74 T  | N-amyl acetate              | 0.585 | 0.577 | 1.4   | 107   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.648 | 0.617 | 4.8   | 107   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.391 | 0.430 | -10.0 | 131   | 0.00     |
| 77 T  | Bromobenzene                | 0.879 | 0.879 | 0.0   | 112   | 0.00     |
| 78 T  | n-propylbenzene             | 4.466 | 4.462 | 0.1   | 110   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.410 | 2.396 | 0.6   | 109   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.071 | 3.098 | -0.9  | 111   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.160 | 0.176 | -10.0 | 122   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.471 | 2.506 | -1.4  | 112   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.779 | 2.746 | 1.2   | 109   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.057 | 3.047 | 0.3   | 109   | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.159 | 4.138 | 0.5   | 110   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.476 | 3.453 | 0.7   | 109   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.805 | 1.810 | -0.3  | 111   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.807 | 1.791 | 0.9   | 109   | 0.00     |
| 89 T  | n-Butylbenzene              | 3.223 | 3.227 | -0.1  | 111   | 0.00     |
| 90 T  | Hexachloroethane            | 0.615 | 0.606 | 1.5   | 111   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.574 | 1.560 | 0.9   | 109   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.081 | 0.092 | -13.6 | 116   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.066 | 1.001 | 6.1   | 108   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.584 | 0.531 | 9.1   | 106   | 0.00     |
| 95 T  | Naphthalene                 | 1.941 | 1.889 | 2.7   | 107   | 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 | 0.914 | 0.874 | 4.4  | 108   | 0.00     |

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