

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060922\  
 Data File : VD073506.D  
 Acq On : 09 Jun 2022 13:19  
 Operator : VA/SY  
 Sample : VSTDICV050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD060922

Quant Time: Jun 09 16:55:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 09 12:33:32 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   | 110   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.477 | 0.447 | 6.3   | 109   | 0.00     |
| 3 P   | Chloromethane               | 0.489 | 0.478 | 2.2   | 113   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.459 | 0.459 | 0.0   | 111   | 0.00     |
| 5 T   | Bromomethane                | 0.329 | 0.332 | -0.9  | 117   | 0.00     |
| 6 T   | Chloroethane                | 0.292 | 0.296 | -1.4  | 113   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.898 | 0.916 | -2.0  | 112   | 0.00     |
| 8 T   | Diethyl Ether               | 0.257 | 0.261 | -1.6  | 115   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.514 | 0.533 | -3.7  | 111   | 0.00     |
| 10 T  | Methyl Iodide               | 0.536 | 0.584 | -9.0  | 112   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.150 | 0.066 | 56.0# | 114   | 0.02     |
| 12 CM | 1,1-Dichloroethene          | 0.488 | 0.503 | -3.1# | 113   | 0.00     |
| 13 T  | Acrolein                    | 0.024 | 0.020 | 16.7  | 102   | 0.00     |
| 14 T  | Allyl chloride              | 0.726 | 0.771 | -6.2  | 120   | 0.00     |
| 15 T  | Acrylonitrile               | 0.115 | 0.119 | -3.5  | 117   | 0.00     |
| 16 T  | Acetone                     | 0.094 | 0.094 | 0.0   | 121   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.546 | 1.642 | -6.2  | 114   | 0.00     |
| 18 T  | Methyl Acetate              | 0.285 | 0.250 | 12.3  | 117   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.164 | 1.244 | -6.9  | 117   | 0.00     |
| 20 T  | Methylene Chloride          | 0.668 | 0.624 | 6.6   | 115   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.590 | 0.614 | -4.1  | 112   | 0.00     |
| 22 T  | Diisopropyl ether           | 1.567 | 1.684 | -7.5  | 115   | 0.00     |
| 23 T  | Vinyl Acetate               | 0.850 | 0.935 | -10.0 | 116   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.005 | 1.033 | -2.8  | 113   | 0.00     |
| 25 T  | 2-Butanone                  | 0.139 | 0.141 | -1.4  | 119   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.901 | 0.930 | -3.2  | 115   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.638 | 0.688 | -7.8  | 117   | 0.00     |
| 28 T  | Bromochloromethane          | 0.394 | 0.394 | 0.0   | 112   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.089 | 0.094 | -5.6  | 116   | 0.00     |
| 30 C  | Chloroform                  | 1.073 | 1.106 | -3.1# | 114   | 0.00     |
| 31 T  | Cyclohexane                 | 0.904 | 0.942 | -4.2  | 114   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.946 | 0.983 | -3.9  | 111   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.537 | 0.502 | 6.5   | 108   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 110   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.322 | 0.323 | -0.3  | 109   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.483 | 0.530 | -9.7  | 114   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.195 | 0.206 | -5.6  | 113   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.505 | 0.550 | -8.9  | 114   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.563 | 0.639 | -13.5 | 113   | 0.00     |
| 40 TM | Benzene                     | 1.405 | 1.501 | -6.8  | 112   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.106 | 0.106 | 0.0   | 100   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.388 | 0.406 | -4.6  | 112   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.375 | 0.398 | -6.1  | 117   | 0.00     |
| 44 TM | Trichloroethene             | 0.391 | 0.419 | -7.2  | 114   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.348 | 0.376 | -8.0# | 117   | 0.00     |
| 46 T  | Dibromomethane              | 0.196 | 0.206 | -5.1  | 116   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.491 | 0.523 | -6.5  | 114   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.186 | 0.203 | -9.1  | 116   | 0.00     |

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 Sample : VSTDICV050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD060922

Quant Time: Jun 09 16:55:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 09 12:33:32 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) |
|-------|-----------------------------|-------|-------|--------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.002 | 0.002 | 0.0    | 114   | 0.00     |
| 50 S  | Toluene-d8                  | 1.216 | 1.259 | -3.5   | 108   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.190 | 0.205 | -7.9   | 116   | 0.00     |
| 52 CM | Toluene                     | 0.901 | 0.997 | -10.7# | 114   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.461 | 0.493 | -6.9   | 113   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.540 | 0.583 | -8.0   | 116   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.280 | 0.282 | -0.7   | 110   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.320 | 0.358 | -11.9  | 118   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.455 | 0.479 | -5.3   | 111   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.132 | 0.140 | -6.1   | 112   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.130 | 0.145 | -11.5  | 121   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.345 | 0.369 | -7.0   | 114   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.266 | 0.281 | -5.6   | 113   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.441 | 0.448 | -1.6   | 108   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 108   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.340 | 0.370 | -8.8   | 111   | 0.00     |
| 65 PM | Chlorobenzene               | 1.029 | 1.127 | -9.5   | 114   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.390 | 0.417 | -6.9   | 111   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.798 | 2.039 | -13.4# | 113   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.706 | 0.793 | -12.3  | 113   | 0.00     |
| 69 T  | o-Xylene                    | 0.649 | 0.740 | -14.0  | 114   | 0.00     |
| 70 T  | Styrene                     | 1.120 | 1.261 | -12.6  | 111   | 0.00     |
| 71 P  | Bromoform                   | 0.213 | 0.232 | -8.9   | 118   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 108   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.466 | 3.973 | -14.6  | 113   | 0.00     |
| 74 T  | N-amyl acetate              | 0.771 | 0.841 | -9.1   | 118   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.658 | 0.681 | -3.5   | 114   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.486 | 0.598 | -23.0  | 132   | 0.00     |
| 77 T  | Bromobenzene                | 0.846 | 0.907 | -7.2   | 113   | 0.00     |
| 78 T  | n-propylbenzene             | 4.314 | 4.916 | -14.0  | 113   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.508 | 2.768 | -10.4  | 112   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.989 | 3.383 | -13.2  | 113   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.207 | 0.224 | -8.2   | 116   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.644 | 2.937 | -11.1  | 114   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.526 | 2.948 | -16.7  | 113   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.983 | 3.364 | -12.8  | 113   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.784 | 4.355 | -15.1  | 113   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.155 | 3.605 | -14.3  | 112   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.728 | 1.855 | -7.3   | 113   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.710 | 1.831 | -7.1   | 112   | 0.00     |
| 89 T  | n-Butylbenzene              | 2.976 | 3.399 | -14.2  | 112   | 0.00     |
| 90 T  | Hexachloroethane            | 0.653 | 0.690 | -5.7   | 111   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.491 | 1.593 | -6.8   | 113   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.105 | 0.109 | -3.8   | 117   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.893 | 0.988 | -10.6  | 115   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.490 | 0.527 | -7.6   | 109   | 0.00     |
| 95 T  | Naphthalene                 | 1.596 | 1.834 | -14.9  | 119   | 0.00     |

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Sample : VSTDICV050  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD060922

Quant Time: Jun 09 16:55:05 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060922S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 09 12:33:32 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) |
|------|------------------------|-------|-------|-------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 0.779 | 0.861 | -10.5 | 113   | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 5