

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101124\  
 Data File : VD079968.D  
 Acq On : 11 Oct 2024 16:32  
 Operator : RP/MD  
 Sample : VSTDICV050  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD101124

Quant Time: Oct 14 03:22:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101124S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Oct 14 03:20:54 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   | 103   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.491 | 0.448 | 8.8   | 98    | 0.00     |
| 3 P   | Chloromethane               | 0.505 | 0.459 | 9.1   | 99    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.628 | 0.630 | -0.3# | 105   | 0.00     |
| 5 T   | Bromomethane                | 0.540 | 0.558 | -3.3  | 114   | 0.00     |
| 6 T   | Chloroethane                | 0.428 | 0.446 | -4.2  | 108   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.983 | 0.963 | 2.0   | 103   | 0.00     |
| 8 T   | Diethyl Ether               | 0.270 | 0.277 | -2.6  | 103   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.604 | 0.564 | 6.6   | 102   | 0.00     |
| 10 T  | Methyl Iodide               | 0.592 | 0.693 | -17.1 | 110   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.035 | 0.032 | 8.6   | 97    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.537 | 0.558 | -3.9# | 108   | 0.00     |
| 13 T  | Acrolein                    | 0.037 | 0.033 | 10.8  | 103   | 0.00     |
| 14 T  | Allyl chloride              | 0.798 | 0.842 | -5.5  | 106   | 0.00     |
| 15 T  | Acrylonitrile               | 0.129 | 0.130 | -0.8  | 101   | 0.00     |
| 16 T  | Acetone                     | 0.147 | 0.147 | 0.0   | 98    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.497 | 1.626 | -8.6  | 106   | 0.00     |
| 18 T  | Methyl Acetate              | 0.316 | 0.316 | 0.0   | 102   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.241 | 1.320 | -6.4  | 105   | 0.00     |
| 20 T  | Methylene Chloride          | 0.724 | 0.683 | 5.7   | 106   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.577 | 0.631 | -9.4  | 111   | 0.00     |
| 22 T  | Diisopropyl ether           | 1.731 | 1.858 | -7.3  | 106   | 0.00     |
| 23 T  | Vinyl Acetate               | 0.972 | 1.066 | -9.7  | 105   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.140 | 1.153 | -1.1  | 107   | 0.00     |
| 25 T  | 2-Butanone                  | 0.180 | 0.179 | 0.6   | 98    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.986 | 0.973 | 1.3   | 107   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.717 | 0.729 | -1.7  | 103   | 0.00     |
| 28 T  | Bromochloromethane          | 0.487 | 0.468 | 3.9   | 99    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.096 | 0.102 | -6.2  | 103   | 0.00     |
| 30 C  | Chloroform                  | 1.208 | 1.201 | 0.6#  | 104   | 0.00     |
| 31 T  | Cyclohexane                 | 0.864 | 0.860 | 0.5   | 105   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.000 | 0.997 | 0.3   | 105   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.569 | 0.539 | 5.3   | 94    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 105   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.361 | 0.339 | 6.1   | 96    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.484 | 0.493 | -1.9  | 106   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.234 | 0.231 | 1.3   | 102   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.537 | 0.527 | 1.9   | 104   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.543 | 0.580 | -6.8  | 108   | 0.00     |
| 40 TM | Benzene                     | 1.530 | 1.575 | -2.9  | 107   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.123 | 0.127 | -3.3  | 108   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.421 | 0.423 | -0.5  | 106   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.431 | 0.437 | -1.4  | 105   | 0.00     |
| 44 TM | Trichloroethene             | 0.378 | 0.390 | -3.2  | 109   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.388 | 0.400 | -3.1# | 107   | 0.00     |
| 46 T  | Dibromomethane              | 0.214 | 0.218 | -1.9  | 104   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.568 | 0.569 | -0.2  | 104   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.194 | 0.212 | -9.3  | 105   | 0.00     |

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 Sample : VSTDICV050  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD101124

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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                 | 0.002 | 0.002 | 0.0   | 102   | 0.00     |
| 50 S  | Toluene-d8                  | 1.286 | 1.257 | 2.3   | 97    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.221 | 0.230 | -4.1  | 103   | 0.00     |
| 52 CM | Toluene                     | 0.936 | 0.998 | -6.6# | 106   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.497 | 0.507 | -2.0  | 105   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.586 | 0.596 | -1.7  | 103   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.301 | 0.290 | 3.7   | 101   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.351 | 0.379 | -8.0  | 104   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.485 | 0.494 | -1.9  | 103   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.130 | 0.146 | -12.3 | 103   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.163 | 0.169 | -3.7  | 99    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.391 | 0.389 | 0.5   | 103   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.277 | 0.273 | 1.4   | 102   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.449 | 0.451 | -0.4  | 99    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 105   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.353 | 0.360 | -2.0  | 106   | 0.00     |
| 65 PM | Chlorobenzene               | 1.164 | 1.179 | -1.3  | 106   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.418 | 0.414 | 1.0   | 106   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.968 | 2.067 | -5.0# | 106   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.755 | 0.807 | -6.9  | 106   | 0.00     |
| 69 T  | o-Xylene                    | 0.699 | 0.749 | -7.2  | 109   | 0.00     |
| 70 T  | Styrene                     | 1.244 | 1.332 | -7.1  | 105   | 0.00     |
| 71 P  | Bromoform                   | 0.251 | 0.246 | 2.0   | 102   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 103   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.401 | 3.632 | -6.8  | 108   | 0.00     |
| 74 T  | N-amyl acetate              | 0.823 | 0.870 | -5.7  | 102   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.690 | 0.703 | -1.9  | 104   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.552 | 0.446 | 19.2  | 85    | 0.00     |
| 77 T  | Bromobenzene                | 0.880 | 0.899 | -2.2  | 104   | 0.00     |
| 78 T  | n-propylbenzene             | 4.229 | 4.554 | -7.7  | 107   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.457 | 2.580 | -5.0  | 106   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.867 | 3.071 | -7.1  | 108   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.247 | 0.249 | -0.8  | 100   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.639 | 2.748 | -4.1  | 105   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.457 | 2.629 | -7.0  | 107   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.879 | 3.121 | -8.4  | 107   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.776 | 4.068 | -7.7  | 109   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.150 | 3.463 | -9.9  | 110   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.800 | 1.839 | -2.2  | 106   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.799 | 1.797 | 0.1   | 106   | 0.00     |
| 89 T  | n-Butylbenzene              | 3.047 | 3.311 | -8.7  | 109   | 0.00     |
| 90 T  | Hexachloroethane            | 0.696 | 0.700 | -0.6  | 107   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.573 | 1.595 | -1.4  | 105   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.115 | 0.103 | 10.4  | 95    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.986 | 1.032 | -4.7  | 107   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.543 | 0.575 | -5.9  | 108   | 0.00     |
| 95 T  | Naphthalene                 | 1.758 | 1.835 | -4.4  | 102   | 0.00     |

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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
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Quant Title : SW846 8260  
QLast Update : Mon Oct 14 03:20:54 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) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 0.873 | 0.891 | -2.1 | 103   | 0.00     |

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