

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD040721\  
 Data File : VD068779.D  
 Acq On : 07 Apr 2021 13:30  
 Operator : VA/SY  
 Sample : VSTDICV050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD040721

Quant Time: Apr 08 04:35:25 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 08 03:50:31 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                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0   | 107   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.495 | 0.520 | -5.1  | 115   | 0.00     |
| 3 P   | Chloromethane               | 0.582 | 0.626 | -7.6  | 119   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.732 | 0.776 | -6.0# | 117   | 0.00     |
| 5 T   | Bromomethane                | 0.547 | 0.586 | -7.1  | 125   | 0.00     |
| 6 T   | Chloroethane                | 0.481 | 0.505 | -5.0  | 116   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.861 | 0.929 | -7.9  | 122   | 0.00     |
| 8 T   | Diethyl Ether               | 0.233 | 0.258 | -10.7 | 111   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.520 | 0.569 | -9.4  | 113   | 0.00     |
| 10 T  | Methyl Iodide               | 0.538 | 0.567 | -5.4  | 96    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.034 | 0.029 | 14.7  | 103   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.501 | 0.541 | -8.0# | 113   | 0.00     |
| 13 T  | Acrolein                    | 0.021 | 0.018 | 14.3  | 92    | 0.00     |
| 14 T  | Allyl chloride              | 0.564 | 0.620 | -9.9  | 114   | 0.00     |
| 15 T  | Acrylonitrile               | 0.104 | 0.104 | 0.0   | 105   | 0.00     |
| 16 T  | Acetone                     | 0.073 | 0.076 | -4.1  | 111   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.620 | 1.758 | -8.5  | 110   | 0.00     |
| 18 T  | Methyl Acetate              | 0.201 | 0.202 | -0.5  | 107   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.110 | 1.186 | -6.8  | 111   | 0.00     |
| 20 T  | Methylene Chloride          | 0.679 | 0.638 | 6.0   | 107   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.643 | 0.677 | -5.3  | 113   | 0.00     |
| 22 T  | Diisopropyl ether           | 1.367 | 1.448 | -5.9  | 110   | 0.00     |
| 23 T  | Vinyl Acetate               | 0.724 | 0.777 | -7.3  | 106   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.030 | 1.070 | -3.9  | 112   | 0.00     |
| 25 T  | 2-Butanone                  | 0.104 | 0.103 | 1.0   | 101   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.842 | 0.846 | -0.5  | 112   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.639 | 0.648 | -1.4  | 108   | 0.00     |
| 28 T  | Bromochloromethane          | 0.372 | 0.362 | 2.7   | 103   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.070 | 0.072 | -2.9  | 103   | 0.00     |
| 30 C  | Chloroform                  | 1.128 | 1.158 | -2.7# | 111   | 0.00     |
| 31 T  | Cyclohexane                 | 0.879 | 0.880 | -0.1  | 110   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.986 | 1.003 | -1.7  | 109   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.528 | 0.514 | 2.7   | 106   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 106   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.325 | 0.330 | -1.5  | 109   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.506 | 0.532 | -5.1  | 112   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.149 | 0.150 | -0.7  | 111   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.501 | 0.525 | -4.8  | 110   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.590 | 0.663 | -12.4 | 113   | 0.00     |
| 40 TM | Benzene                     | 1.481 | 1.534 | -3.6  | 110   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.088 | 0.089 | -1.1  | 130   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.391 | 0.406 | -3.8  | 110   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.303 | 0.311 | -2.6  | 107   | 0.00     |
| 44 TM | Trichloroethene             | 0.409 | 0.428 | -4.6  | 111   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.354 | 0.366 | -3.4# | 110   | 0.00     |
| 46 T  | Dibromomethane              | 0.197 | 0.205 | -4.1  | 108   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.515 | 0.533 | -3.5  | 111   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.149 | 0.164 | -10.1 | 108   | 0.00     |

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 Sample : VSTDICV050  
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 ALS Vial : 9 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    | 107   | 0.00     |
| 50 S  | Toluene-d8                  | 1.227 | 1.281 | -4.4   | 111   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.153 | 0.160 | -4.6   | 104   | 0.00     |
| 52 CM | Toluene                     | 0.938 | 1.004 | -7.0#  | 110   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.456 | 0.459 | -0.7   | 104   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.546 | 0.555 | -1.6   | 105   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.279 | 0.284 | -1.8   | 107   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.287 | 0.318 | -10.8  | 108   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.459 | 0.477 | -3.9   | 109   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.140 | 0.155 | -10.7  | 105   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.102 | 0.109 | -6.9   | 104   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.349 | 0.358 | -2.6   | 109   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.271 | 0.275 | -1.5   | 108   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.407 | 0.416 | -2.2   | 108   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 105   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.350 | 0.374 | -6.9   | 114   | 0.00     |
| 65 PM | Chlorobenzene               | 1.082 | 1.147 | -6.0   | 110   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.389 | 0.420 | -8.0   | 112   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.874 | 2.064 | -10.1# | 111   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.723 | 0.797 | -10.2  | 112   | 0.00     |
| 69 T  | o-Xylene                    | 0.658 | 0.736 | -11.9  | 112   | 0.00     |
| 70 T  | Styrene                     | 1.146 | 1.270 | -10.8  | 110   | 0.00     |
| 71 P  | Bromoform                   | 0.208 | 0.214 | -2.9   | 107   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 104   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.651 | 4.148 | -13.6  | 114   | 0.00     |
| 74 T  | N-amyl acetate              | 0.619 | 0.646 | -4.4   | 104   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.682 | 0.692 | -1.5   | 106   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.457 | 0.443 | 3.1    | 103   | 0.00     |
| 77 T  | Bromobenzene                | 0.878 | 0.942 | -7.3   | 114   | 0.00     |
| 78 T  | n-propylbenzene             | 4.434 | 4.925 | -11.1  | 112   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.477 | 2.668 | -7.7   | 110   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.052 | 3.406 | -11.6  | 110   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.197 | 0.191 | 3.0    | 95    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.626 | 2.825 | -7.6   | 111   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.590 | 2.858 | -10.3  | 111   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.083 | 3.455 | -12.1  | 111   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.654 | 4.122 | -12.8  | 112   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.338 | 3.798 | -13.8  | 113   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.739 | 1.826 | -5.0   | 108   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.721 | 1.804 | -4.8   | 110   | 0.00     |
| 89 T  | n-Butylbenzene              | 3.144 | 3.618 | -15.1  | 114   | 0.00     |
| 90 T  | Hexachloroethane            | 0.665 | 0.708 | -6.5   | 111   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.505 | 1.560 | -3.7   | 107   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.104 | 0.103 | 1.0    | 106   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.931 | 0.990 | -6.3   | 110   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.533 | 0.588 | -10.3  | 110   | 0.00     |
| 95 T  | Naphthalene                 | 1.622 | 1.805 | -11.3  | 108   | 0.00     |

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Quant Title : SW846 8260  
QLast Update : Thu Apr 08 03:50:31 2021  
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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 | 0.814 | 0.863 | -6.0 | 107   | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6